

## **xpfweb\_v2x lib**

*Prized Season and Sons*

Version 2.8

18-08-2007 2:40



# Table of Contents

|                                   |      |
|-----------------------------------|------|
| Directory Hierarchy .....         | viii |
| Hierarchical Index .....          | ix   |
| Class Index .....                 | xiii |
| File Index .....                  | xvii |
| Directory Documentation .....     | 3    |
| gbhtml/ Directory Reference ..... | 3    |
| gdhtml/ Directory Reference ..... | 3    |
| gobj/ Directory Reference .....   | 4    |
| Class Documentation .....         | 5    |
| gArg .....                        | 5    |
| gArray .....                      | 10   |
| gArrayCollect .....               | 15   |
| gBigBuffer .....                  | 17   |
| gConfig .....                     | 20   |
| gControl .....                    | 26   |
| gDateDay .....                    | 32   |
| gDateTime .....                   | 34   |
| gDegreeCelsius .....              | 39   |
| gDegreeFh .....                   | 40   |
| gdHCouple .....                   | 41   |
| gdHttpSnarf .....                 | 44   |
| gdHttpURI .....                   | 47   |
| gDir .....                        | 50   |
| gDirGeneric .....                 | 53   |
| gDirName .....                    | 56   |
| gDirStream .....                  | 58   |
| gdOptUnweb .....                  | 60   |
| gdSnarfCont .....                 | 62   |
| gdTxtCouple .....                 | 64   |
| gdURI .....                       | 66   |
| gElem .....                       | 69   |
| gFile .....                       | 71   |
| gFileControl .....                | 75   |
| gFileFetch .....                  | 81   |
| gFileName .....                   | 85   |
| gFileOut .....                    | 87   |
| gFileStat .....                   | 89   |
| gFileStream .....                 | 92   |
| gFileSysName .....                | 95   |
| gFileTemp .....                   | 98   |
| gFileText .....                   | 100  |
| gHash .....                       | 102  |
| gHashElemGeneric .....            | 105  |
| gHashElemTriple .....             | 107  |
| gHashGeneric .....                | 109  |
| gHashTriple .....                 | 112  |
| gHAttrList .....                  | 114  |
| gHAttrs .....                     | 118  |
| gHAttrValue .....                 | 121  |
| gHAType .....                     | 123  |
| gHATypeCDATA .....                | 127  |
| gHATypeCharsets .....             | 128  |
| gHATypeColor .....                | 129  |
| gHATypeContentTypes .....         | 130  |
| gHATypeEnum .....                 | 131  |
| gHATypeFrameTarget .....          | 132  |

|                           |     |
|---------------------------|-----|
| gHATypeGenLst .....       | 134 |
| gHATypeGString .....      | 136 |
| gHATypeID .....           | 137 |
| gHATypeIDREF .....        | 138 |
| gHATypeIDREFS .....       | 139 |
| gHATypeLength .....       | 140 |
| gHATypeLstStr .....       | 142 |
| gHATypeLstVal .....       | 143 |
| gHATypeMultiLengths ..... | 145 |
| gHATypeNAME .....         | 146 |
| gHATypeNUMBER .....       | 147 |
| gHATypePixels .....       | 148 |
| gHATypeSimple .....       | 149 |
| gHATypeSimple32 .....     | 151 |
| gHATypeSimpleU32 .....    | 153 |
| gHATypeStringSingle ..... | 155 |
| gHATypeStyleSheet .....   | 157 |
| gHATypeText .....         | 158 |
| gHATypeURI .....          | 159 |
| gHInOpt .....             | 160 |
| gHList .....              | 163 |
| gHNode .....              | 165 |
| gHostAddr .....           | 167 |
| gHOutOpt .....            | 169 |
| gHParsed .....            | 173 |
| gHSelConf .....           | 177 |
| gHSelect .....            | 179 |
| gHSeq .....               | 181 |
| gHtmlContent .....        | 185 |
| gHtmlCouple .....         | 188 |
| gHtmlCtrl .....           | 193 |
| gHtmlLog .....            | 195 |
| gHtmlOpt .....            | 196 |
| gHtmlParser .....         | 199 |
| gHtmlString .....         | 204 |
| gHTree .....              | 208 |
| gHttpGeneric .....        | 211 |
| gHttpRequestList .....    | 213 |
| gInt .....                | 215 |
| gIntCoord .....           | 218 |
| gIntDegree .....          | 221 |
| gIpAddr .....             | 223 |
| gIpV4Mask .....           | 227 |
| gKey .....                | 230 |
| gList .....               | 234 |
| gListGeneric .....        | 239 |
| gListInt .....            | 248 |
| gNetConnect .....         | 250 |
| gParam .....              | 252 |
| gParamElem .....          | 255 |
| gParamVal .....           | 257 |
| gRandom .....             | 261 |
| gReal .....               | 263 |
| gSmartList .....          | 265 |
| gSocket .....             | 267 |
| gStack .....              | 270 |
| gStorage .....            | 272 |
| gStorageControl .....     | 278 |
| gStrControl .....         | 281 |
| gString .....             | 285 |

|                         |     |
|-------------------------|-----|
| gStringGeneric.....     | 292 |
| gSwitch.....            | 300 |
| gTagCoord.....          | 302 |
| gTagTree.....           | 304 |
| gTcpConnect.....        | 306 |
| gTimer.....             | 309 |
| gTimerTic.....          | 311 |
| gTimeStamp.....         | 314 |
| gTop.....               | 316 |
| gUChar.....             | 318 |
| gUCharBuffer.....       | 320 |
| gUInt.....              | 322 |
| gUniString.....         | 324 |
| gUnweb.....             | 328 |
| gURI.....               | 334 |
| gURI::sSchemeUse.....   | 340 |
| gVector.....            | 341 |
| gVersion.....           | 345 |
| gXHttpCont.....         | 347 |
| gXHttpGeneric.....      | 350 |
| gXHttpReplyHeader.....  | 355 |
| sAttrDef.....           | 358 |
| sAttrNorm.....          | 360 |
| sAttrRefer.....         | 361 |
| sAttrsTagNorm.....      | 363 |
| sCodeToUni.....         | 365 |
| sCoordText.....         | 366 |
| sFileKind.....          | 369 |
| sFileStat.....          | 371 |
| sFileStreamCtrl.....    | 374 |
| sHAttrType.....         | 376 |
| sHOutFormat.....        | 377 |
| sHtmlElement.....       | 379 |
| sHtmlEntSymbol.....     | 381 |
| sHtmlSymbol.....        | 382 |
| sIanaCountry2.....      | 384 |
| sOptProxy.....          | 385 |
| sOptSnarf.....          | 387 |
| sParamRaw.....          | 391 |
| sServiceArray.....      | 393 |
| sServiceNode.....       | 395 |
| sServiceRegister.....   | 397 |
| sSignalTrap.....        | 399 |
| sStorageDesc.....       | 400 |
| sTcbBin.....            | 401 |
| sTidyArray.....         | 404 |
| sTidyElem.....          | 406 |
| sTidyFiles.....         | 408 |
| sTimeSeconds.....       | 409 |
| sUnCodeBin.....         | 411 |
| sUnCodeSymbol.....      | 416 |
| File Documentation..... | 420 |
| garg.cpp.....           | 420 |
| garg.h.....             | 421 |
| garray.cpp.....         | 422 |
| garray.h.....           | 423 |
| gBHttp.cpp.....         | 424 |
| gBHttp.h.....           | 425 |
| gBHttpProxy.cpp.....    | 426 |
| gBHttpProxy.h.....      | 427 |

|                           |     |
|---------------------------|-----|
| gBNetHttpRequest.cpp..... | 428 |
| gBNetHttpRequest.h.....   | 429 |
| gBStreamEtc.cpp.....      | 430 |
| gBStreamEtc.h.....        | 431 |
| gcalendar.cpp.....        | 432 |
| gcalendar.h.....          | 433 |
| gconfig.cpp.....          | 434 |
| gconfig.h.....            | 435 |
| gcontrol.cpp.....         | 436 |
| gcontrol.h.....           | 437 |
| gdir.cpp.....             | 438 |
| gdir.h.....               | 439 |
| gdNetNames.cpp.....       | 440 |
| gdNetNames.h.....         | 441 |
| gdNetStrings.cpp.....     | 442 |
| gdNetStrings.h.....       | 443 |
| gdSnarfCommon.cpp.....    | 444 |
| gdSnarfCommon.h.....      | 445 |
| gdSnarfCont.cpp.....      | 446 |
| gdSnarfCont.h.....        | 447 |
| gdSnarfHttp.cpp.....      | 448 |
| gdSnarfHttp.h.....        | 449 |
| gdSnarfTidy.cpp.....      | 450 |
| gdSnarfTidy.h.....        | 451 |
| gdSnarfTxt2Cont.cpp.....  | 452 |
| gdSnarfTxt2Cont.h.....    | 453 |
| gfile.cpp.....            | 454 |
| gfile.h.....              | 455 |
| gfilestat.cpp.....        | 458 |
| gfilestat.h.....          | 459 |
| ghash.cpp.....            | 460 |
| ghash.h.....              | 461 |
| gHtmlAttr.cpp.....        | 462 |
| gHtmlAttr.h.....          | 463 |
| gHtmlCtrl.cpp.....        | 464 |
| gHtmlCtrl.h.....          | 465 |
| gHtmlHAttr.cpp.....       | 466 |
| gHtmlHAttr.h.....         | 467 |
| gHtmlHATypes.cpp.....     | 468 |
| gHtmlHATypes.h.....       | 469 |
| gHtmlLog.cpp.....         | 471 |
| gHtmlLog.h.....           | 472 |
| gHtmlOpt.cpp.....         | 473 |
| gHtmlOpt.h.....           | 474 |
| gHtmlParser.cpp.....      | 475 |
| gHtmlParser.h.....        | 476 |
| gHtmlSelect.cpp.....      | 479 |
| gHtmlSelect.h.....        | 480 |
| gHtmlSeq.cpp.....         | 481 |
| gHtmlSeq.h.....           | 482 |
| ghttp.cpp.....            | 483 |
| ghttp.h.....              | 484 |
| glist.cpp.....            | 485 |
| glist.h.....              | 486 |
| glistext.cpp.....         | 487 |
| glistext.h.....           | 488 |
| gmain.h.....              | 489 |
| gmath.cpp.....            | 498 |
| gmath.h.....              | 499 |
| gnet.cpp.....             | 500 |

|                      |     |
|----------------------|-----|
| gnet.h .....         | 501 |
| gstack.cpp .....     | 502 |
| gstack.h .....       | 503 |
| gstdtypes.h .....    | 504 |
| gstorage.cpp .....   | 505 |
| gstorage.h .....     | 506 |
| gstring.cpp .....    | 510 |
| gstring.h .....      | 511 |
| gstringext.cpp ..... | 512 |
| gstringext.h .....   | 513 |
| gtime.cpp .....      | 515 |
| gtime.h .....        | 516 |
| gweb.cpp .....       | 517 |
| gweb.h .....         | 518 |
| Index .....          | 519 |

## xpfweb\_v2x lib Directory Hierarchy

### xpfweb\_v2x lib Directories

This directory hierarchy is sorted roughly, but not completely, alphabetically:

|              |   |
|--------------|---|
| gbhtml ..... | 3 |
| gdhtml ..... | 3 |
| gobj.....    | 4 |

# xpfbweb\_v2x lib Hierarchical Index

## xpfbweb\_v2x lib Class Hierarchy

|                                                                              |     |
|------------------------------------------------------------------------------|-----|
| This inheritance list is sorted roughly, but not completely, alphabetically: |     |
| gArrayCollect.....                                                           | 15  |
| gFile.....                                                                   | 71  |
| gDirStream.....                                                              | 58  |
| gFileStream.....                                                             | 92  |
| gFileTemp.....                                                               | 98  |
| gFileText.....                                                               | 100 |
| gFileFetch.....                                                              | 81  |
| gUnweb.....                                                                  | 328 |
| gFileStat.....                                                               | 89  |
| gHtmlCtrl.....                                                               | 193 |
| gStrControl.....                                                             | 281 |
| gTop.....                                                                    | 316 |
| gStorage.....                                                                | 272 |
| gControl.....                                                                | 26  |
| gBigBuffer.....                                                              | 17  |
| gConfig.....                                                                 | 20  |
| gFileControl.....                                                            | 75  |
| gFileOut.....                                                                | 87  |
| gHashElemGeneric.....                                                        | 105 |
| gHashElemTriple.....                                                         | 107 |
| gHAttrList.....                                                              | 114 |
| gHInOpt.....                                                                 | 160 |
| gHNode.....                                                                  | 165 |
| gHOutOpt.....                                                                | 169 |
| gHSelConf.....                                                               | 177 |
| gHSelect.....                                                                | 179 |
| gHSeq.....                                                                   | 181 |
| gHtmlLog.....                                                                | 195 |
| gHtmlOpt.....                                                                | 196 |
| gHtmlParser.....                                                             | 199 |
| gHttpGeneric.....                                                            | 211 |
| gXHttpGeneric.....                                                           | 350 |
| gXHttpCont.....                                                              | 347 |
| gdHttpSnarf.....                                                             | 44  |
| gIpAddr.....                                                                 | 223 |
| gHostAddr.....                                                               | 167 |
| gNetConnect.....                                                             | 250 |
| gTcpConnect.....                                                             | 306 |
| gParamVal.....                                                               | 257 |
| gStorageControl.....                                                         | 278 |
| gDateTime.....                                                               | 34  |
| gElem.....                                                                   | 69  |
| gHashGeneric.....                                                            | 109 |
| gHash.....                                                                   | 102 |
| gHashTriple.....                                                             | 112 |
| gInt.....                                                                    | 215 |
| gArray.....                                                                  | 10  |

|                           |     |
|---------------------------|-----|
| gIntCoord .....           | 218 |
| gTagCoord .....           | 302 |
| gTagTree .....            | 304 |
| gIntDegree .....          | 221 |
| gDegreeCelsius .....      | 39  |
| gDegreeFh .....           | 40  |
| gKey .....                | 230 |
| gRandom .....             | 261 |
| gSocket .....             | 267 |
| gVector .....             | 341 |
| gListGeneric .....        | 239 |
| gList .....               | 234 |
| gArg .....                | 5   |
| gDirGeneric .....         | 53  |
| gDir .....                | 50  |
| gdOptUnweb .....          | 60  |
| gdTxtCouple .....         | 64  |
| gHAttrs .....             | 118 |
| gHAType .....             | 123 |
| gHATypeCDATA .....        | 127 |
| gHATypeGenLst .....       | 134 |
| gHATypeLstStr .....       | 142 |
| gHATypeCharsets .....     | 128 |
| gHATypeContentTypes ..... | 130 |
| gHATypeStyleSheet .....   | 157 |
| gHATypeLstVal .....       | 143 |
| gHATypeMultiLengths ..... | 145 |
| gHATypeGString .....      | 136 |
| gHATypeStringSingle ..... | 155 |
| gHATypeFrameTarget .....  | 132 |
| gHATypeURI .....          | 159 |
| gHATypeText .....         | 158 |
| gHATypeID .....           | 137 |
| gHATypeIDREF .....        | 138 |
| gHATypeIDREFS .....       | 139 |
| gHATypeNAME .....         | 146 |
| gHATypeSimple .....       | 149 |
| gHATypeEnum .....         | 131 |
| gHATypeSimple32 .....     | 151 |
| gHATypeLength .....       | 140 |
| gHATypeNUMBER .....       | 147 |
| gHATypePixels .....       | 148 |
| gHATypeSimpleU32 .....    | 153 |
| gHATypeColor .....        | 129 |
| gHtmlContent .....        | 185 |
| gdSnarfCont .....         | 62  |
| gHList .....              | 163 |
| gHtmlCouple .....         | 188 |
| gdHCouple .....           | 41  |
| gHTree .....              | 208 |
| gHttpRequestList .....    | 213 |
| gListInt .....            | 248 |
| gParam .....              | 252 |
| gParamElem .....          | 255 |

|                           |     |
|---------------------------|-----|
| gSmartList .....          | 265 |
| gStack .....              | 270 |
| gHParsed.....             | 173 |
| gXHttpRequestHeader ..... | 355 |
| gReal .....               | 263 |
| gStringGeneric .....      | 292 |
| gString.....              | 285 |
| gFileSysName.....         | 95  |
| gDirName .....            | 56  |
| gFileName .....           | 85  |
| gHAttrValue .....         | 121 |
| gHtmlString .....         | 204 |
| gURI .....                | 334 |
| gdHttpURI .....           | 47  |
| gdURI .....               | 66  |
| gVersion.....             | 345 |
| gUniString.....           | 324 |
| gUChar .....              | 318 |
| gSwitch .....             | 300 |
| gIpV4Mask .....           | 227 |
| gUInt .....               | 322 |
| gDateDay .....            | 32  |
| gTimer.....               | 309 |
| gTimerTic .....           | 311 |
| gTimeStamp.....           | 314 |
| gUCharBuffer.....         | 320 |
| gURI::sSchemeUse .....    | 340 |
| sAttrDef.....             | 358 |
| sAttrNorm .....           | 360 |
| sAttrRefer .....          | 361 |
| sAttrsTagNorm.....        | 363 |
| sCodeToUni .....          | 365 |
| sCoordText.....           | 366 |
| sFileKind .....           | 369 |
| sFileStat.....            | 371 |
| sFileStreamCtrl.....      | 374 |
| sHAttrType.....           | 376 |
| sHOutFormat.....          | 377 |
| sHtmlElement.....         | 379 |
| sHtmlEntSymbol .....      | 381 |
| sHtmlSymbol.....          | 382 |
| sIanaCountry2 .....       | 384 |
| sOptProxy.....            | 385 |
| sOptSnarf.....            | 387 |
| sParamRaw.....            | 391 |
| sServiceArray .....       | 393 |
| sServiceNode.....         | 395 |
| sServiceRegister .....    | 397 |
| sSignalTrap .....         | 399 |
| sStorageDesc .....        | 400 |
| sTcbBin .....             | 401 |

|                     |     |
|---------------------|-----|
| sTidyArray .....    | 404 |
| sTidyElem .....     | 406 |
| sTidyFiles .....    | 408 |
| sTimeSeconds .....  | 409 |
| sUnCodeBin .....    | 411 |
| sUnCodeSymbol ..... | 416 |

# xpweb\_v2x lib Class Index

## xpweb\_v2x lib Class List

Here are the classes, structs, unions and interfaces with brief descriptions:

|                               |     |
|-------------------------------|-----|
| <b>gArg</b> .....             | 5   |
| <b>gArray</b> .....           | 10  |
| <b>gArrayCollect</b> .....    | 15  |
| <b>gBigBuffer</b> .....       | 17  |
| <b>gConfig</b> .....          | 20  |
| <b>gControl</b> .....         | 26  |
| <b>gDateDay</b> .....         | 32  |
| <b>gDateTime</b> .....        | 34  |
| <b>gDegreeCelsius</b> .....   | 39  |
| <b>gDegreeFh</b> .....        | 40  |
| <b>gdHCouple</b> .....        | 41  |
| <b>gdHttpSnarf</b> .....      | 44  |
| <b>gdHttpURI</b> .....        | 47  |
| <b>gDir</b> .....             | 50  |
| <b>gDirGeneric</b> .....      | 53  |
| <b>gDirName</b> .....         | 56  |
| <b>gDirStream</b> .....       | 58  |
| <b>gdOptUnweb</b> .....       | 60  |
| <b>gdSnarfCont</b> .....      | 62  |
| <b>gdTxtCouple</b> .....      | 64  |
| <b>gdURI</b> .....            | 66  |
| <b>gElem</b> .....            | 69  |
| <b>gFile</b> .....            | 71  |
| <b>gFileControl</b> .....     | 75  |
| <b>gFileFetch</b> .....       | 81  |
| <b>gFileName</b> .....        | 85  |
| <b>gFileOut</b> .....         | 87  |
| <b>gFileStat</b> .....        | 89  |
| <b>gFileStream</b> .....      | 92  |
| <b>gFileSysName</b> .....     | 95  |
| <b>gFileTemp</b> .....        | 98  |
| <b>gFileText</b> .....        | 100 |
| <b>gHash</b> .....            | 102 |
| <b>gHashElemGeneric</b> ..... | 105 |
| <b>gHashElemTriple</b> .....  | 107 |
| <b>gHashGeneric</b> .....     | 109 |
| <b>gHashTriple</b> .....      | 112 |
| <b>gHAttrList</b> .....       | 114 |
| <b>gHAttrs</b> .....          | 118 |
| <b>gHAttrValue</b> .....      | 121 |
| <b>gHAType</b> .....          | 123 |
| <b>gHATypeCDATA</b> .....     | 127 |
| <b>gHATypeCharsets</b> .....  | 128 |

|                            |     |
|----------------------------|-----|
| <b>gHATypeColor</b>        | 129 |
| <b>gHATypeContentTypes</b> | 130 |
| <b>gHATypeEnum</b>         | 131 |
| <b>gHATypeFrameTarget</b>  | 132 |
| <b>gHATypeGenLst</b>       | 134 |
| <b>gHATypeGString</b>      | 136 |
| <b>gHATypeID</b>           | 137 |
| <b>gHATypeIDREF</b>        | 138 |
| <b>gHATypeIDREFS</b>       | 139 |
| <b>gHATypeLength</b>       | 140 |
| <b>gHATypeLstStr</b>       | 142 |
| <b>gHATypeLstVal</b>       | 143 |
| <b>gHATypeMultiLengths</b> | 145 |
| <b>gHATypeNAME</b>         | 146 |
| <b>gHATypeNUMBER</b>       | 147 |
| <b>gHATypePixels</b>       | 148 |
| <b>gHATypeSimple</b>       | 149 |
| <b>gHATypeSimple32</b>     | 151 |
| <b>gHATypeSimpleU32</b>    | 153 |
| <b>gHATypeStringSingle</b> | 155 |
| <b>gHATypeStyleSheet</b>   | 157 |
| <b>gHATypeText</b>         | 158 |
| <b>gHATypeURI</b>          | 159 |
| <b>gHInOpt</b>             | 160 |
| <b>gHList</b>              | 163 |
| <b>gHNode</b>              | 165 |
| <b>gHostAddr</b>           | 167 |
| <b>gHOutOpt</b>            | 169 |
| <b>gHParsed</b>            | 173 |
| <b>gHSelConf</b>           | 177 |
| <b>gHSelect</b>            | 179 |
| <b>gHSeq</b>               | 181 |
| <b>gHtmlContent</b>        | 185 |
| <b>gHtmlCouple</b>         | 188 |
| <b>gHtmlCtrl</b>           | 193 |
| <b>gHtmlLog</b>            | 195 |
| <b>gHtmlOpt</b>            | 196 |
| <b>gHtmlParser</b>         | 199 |
| <b>gHtmlString</b>         | 204 |
| <b>gHTree</b>              | 208 |
| <b>gHttpGeneric</b>        | 211 |
| <b>gHttpRequestList</b>    | 213 |
| <b>gInt</b>                | 215 |
| <b>gIntCoord</b>           | 218 |
| <b>gIntDegree</b>          | 221 |
| <b>gIpAddr</b>             | 223 |
| <b>gIPv4Mask</b>           | 227 |
| <b>gKey</b>                | 230 |
| <b>gList</b>               | 234 |

|                                |     |
|--------------------------------|-----|
| <b>gListGeneric</b> .....      | 239 |
| <b>gListInt</b> .....          | 248 |
| <b>gNetConnect</b> .....       | 250 |
| <b>gParam</b> .....            | 252 |
| <b>gParamElem</b> .....        | 255 |
| <b>gParamVal</b> .....         | 257 |
| <b>gRandom</b> .....           | 261 |
| <b>gReal</b> .....             | 263 |
| <b>gSmartList</b> .....        | 265 |
| <b>gSocket</b> .....           | 267 |
| <b>gStack</b> .....            | 270 |
| <b>gStorage</b> .....          | 272 |
| <b>gStorageControl</b> .....   | 278 |
| <b>gStrControl</b> .....       | 281 |
| <b>gString</b> .....           | 285 |
| <b>gStringGeneric</b> .....    | 292 |
| <b>gSwitch</b> .....           | 300 |
| <b>gTagCoord</b> .....         | 302 |
| <b>gTagTree</b> .....          | 304 |
| <b>gTcpConnect</b> .....       | 306 |
| <b>gTimer</b> .....            | 309 |
| <b>gTimerTic</b> .....         | 311 |
| <b>gTimeStamp</b> .....        | 314 |
| <b>gTop</b> .....              | 316 |
| <b>gUChar</b> .....            | 318 |
| <b>gUCharBuffer</b> .....      | 320 |
| <b>gUInt</b> .....             | 322 |
| <b>gUniString</b> .....        | 324 |
| <b>gUnweb</b> .....            | 328 |
| <b>gURI</b> .....              | 334 |
| <b>gURI::sSchemeUse</b> .....  | 340 |
| <b>gVector</b> .....           | 341 |
| <b>gVersion</b> .....          | 345 |
| <b>gXHttpCont</b> .....        | 347 |
| <b>gXHttpGeneric</b> .....     | 350 |
| <b>gXHttpReplyHeader</b> ..... | 355 |
| <b>sAttrDef</b> .....          | 358 |
| <b>sAttrNorm</b> .....         | 360 |
| <b>sAttrRefer</b> .....        | 361 |
| <b>sAttrsTagNorm</b> .....     | 363 |
| <b>sCodeToUni</b> .....        | 365 |
| <b>sCoordText</b> .....        | 366 |
| <b>sFileKind</b> .....         | 369 |
| <b>sFileStat</b> .....         | 371 |
| <b>sFileStreamCtrl</b> .....   | 374 |
| <b>sHAttrType</b> .....        | 376 |
| <b>sHOutFormat</b> .....       | 377 |
| <b>sHtmlElement</b> .....      | 379 |
| <b>sHtmlEntSymbol</b> .....    | 381 |

|                         |     |
|-------------------------|-----|
| <b>sHtmlSymbol</b>      | 382 |
| <b>sIanaCountry2</b>    | 384 |
| <b>sOptProxy</b>        | 385 |
| <b>sOptSnarf</b>        | 387 |
| <b>sParamRaw</b>        | 391 |
| <b>sServiceArray</b>    | 393 |
| <b>sServiceNode</b>     | 395 |
| <b>sServiceRegister</b> | 397 |
| <b>sSignalTrap</b>      | 399 |
| <b>sStorageDesc</b>     | 400 |
| <b>sTcbBin</b>          | 401 |
| <b>sTidyArray</b>       | 404 |
| <b>sTidyElem</b>        | 406 |
| <b>sTidyFiles</b>       | 408 |
| <b>sTimeSeconds</b>     | 409 |
| <b>sUnCodeBin</b>       | 411 |
| <b>sUnCodeSymbol</b>    | 416 |

# xpfbweb\_v2x lib File Index

## xpfbweb\_v2x lib File List

Here is a list of all files with brief descriptions:

|                             |     |
|-----------------------------|-----|
| <b>garg.cpp</b>             | 420 |
| <b>garg.h</b>               | 421 |
| <b>garray.cpp</b>           | 422 |
| <b>garray.h</b>             | 423 |
| <b>gBHttp.cpp</b>           | 424 |
| <b>gBHttp.h</b>             | 425 |
| <b>gBHttpProxy.cpp</b>      | 426 |
| <b>gBHttpProxy.h</b>        | 427 |
| <b>gBNetHttpRequest.cpp</b> | 428 |
| <b>gBNetHttpRequest.h</b>   | 429 |
| <b>gBStreamEtc.cpp</b>      | 430 |
| <b>gBStreamEtc.h</b>        | 431 |
| <b>gcalendar.cpp</b>        | 432 |
| <b>gcalendar.h</b>          | 433 |
| <b>gconfig.cpp</b>          | 434 |
| <b>gconfig.h</b>            | 435 |
| <b>gcontrol.cpp</b>         | 436 |
| <b>gcontrol.h</b>           | 437 |
| <b>gdir.cpp</b>             | 438 |
| <b>gdir.h</b>               | 439 |
| <b>gdNetNames.cpp</b>       | 440 |
| <b>gdNetNames.h</b>         | 441 |
| <b>gdNetStrings.cpp</b>     | 442 |
| <b>gdNetStrings.h</b>       | 443 |
| <b>gdSnarfCommon.cpp</b>    | 444 |
| <b>gdSnarfCommon.h</b>      | 445 |
| <b>gdSnarfCont.cpp</b>      | 446 |
| <b>gdSnarfCont.h</b>        | 447 |
| <b>gdSnarfHttp.cpp</b>      | 448 |
| <b>gdSnarfHttp.h</b>        | 449 |
| <b>gdSnarfTidy.cpp</b>      | 450 |
| <b>gdSnarfTidy.h</b>        | 451 |
| <b>gdSnarfTxt2Cont.cpp</b>  | 452 |
| <b>gdSnarfTxt2Cont.h</b>    | 453 |
| <b>gfile.cpp</b>            | 454 |
| <b>gfile.h</b>              | 455 |
| <b>gfilestat.cpp</b>        | 458 |
| <b>gfilestat.h</b>          | 459 |
| <b>ghash.cpp</b>            | 460 |
| <b>ghash.h</b>              | 461 |
| <b>gHtmlAttr.cpp</b>        | 462 |
| <b>gHtmlAttr.h</b>          | 463 |
| <b>gHtmlCtrl.cpp</b>        | 464 |

|                               |     |
|-------------------------------|-----|
| <b>gHtmlCtrl.h</b> .....      | 465 |
| <b>gHtmlHAttr.cpp</b> .....   | 466 |
| <b>gHtmlHAttr.h</b> .....     | 467 |
| <b>gHtmlHATypes.cpp</b> ..... | 468 |
| <b>gHtmlHATypes.h</b> .....   | 469 |
| <b>gHtmlLog.cpp</b> .....     | 471 |
| <b>gHtmlLog.h</b> .....       | 472 |
| <b>gHtmlOpt.cpp</b> .....     | 473 |
| <b>gHtmlOpt.h</b> .....       | 474 |
| <b>gHtmlParser.cpp</b> .....  | 475 |
| <b>gHtmlParser.h</b> .....    | 476 |
| <b>gHtmlSelect.cpp</b> .....  | 479 |
| <b>gHtmlSelect.h</b> .....    | 480 |
| <b>gHtmlSeq.cpp</b> .....     | 481 |
| <b>gHtmlSeq.h</b> .....       | 482 |
| <b>ghttp.cpp</b> .....        | 483 |
| <b>ghttp.h</b> .....          | 484 |
| <b>glist.cpp</b> .....        | 485 |
| <b>glist.h</b> .....          | 486 |
| <b>glistext.cpp</b> .....     | 487 |
| <b>glistext.h</b> .....       | 488 |
| <b>gmain.h</b> .....          | 489 |
| <b>gmath.cpp</b> .....        | 498 |
| <b>gmath.h</b> .....          | 499 |
| <b>gnet.cpp</b> .....         | 500 |
| <b>gnet.h</b> .....           | 501 |
| <b>gstack.cpp</b> .....       | 502 |
| <b>gstack.h</b> .....         | 503 |
| <b>gstdtypes.h</b> .....      | 504 |
| <b>gstorage.cpp</b> .....     | 505 |
| <b>gstorage.h</b> .....       | 506 |
| <b>gstring.cpp</b> .....      | 510 |
| <b>gstring.h</b> .....        | 511 |
| <b>gstringext.cpp</b> .....   | 512 |
| <b>gstringext.h</b> .....     | 513 |
| <b>gtime.cpp</b> .....        | 515 |
| <b>gtime.h</b> .....          | 516 |
| <b>gweb.cpp</b> .....         | 517 |
| <b>gweb.h</b> .....           | 518 |





# xpfweb\_v2x lib Directory Documentation

## gbhtml/ Directory Reference

**gbhtml/ Directory Reference****gbhtml/ Directory ReferenceFiles**

- file gBHttp.cpp
- file gBHttp.h
- file gBHttpProxy.cpp
- file gBHttpProxy.h
- file gBNetHttpRequest.cpp
- file gBNetHttpRequest.h
- file gBStreamEtc.cpp
- file gBStreamEtc.h

## gdhtml/ Directory Reference

**gdhtml/ Directory Reference****gdhtml/ Directory ReferenceFiles**

- file gdNetNames.cpp
- file gdNetNames.h
- file gdNetStrings.cpp
- file gdNetStrings.h
- file gdSnarfCommon.cpp
- file gdSnarfCommon.h
- file gdSnarfCont.cpp
- file gdSnarfCont.h
- file gdSnarfHttp.cpp
- file gdSnarfHttp.h
- file gdSnarfTidy.cpp
- file gdSnarfTidy.h
- file gdSnarfTxt2Cont.cpp
- file gdSnarfTxt2Cont.h
- file gHtmlAttr.cpp
- file gHtmlAttr.h
- file gHtmlCtrl.cpp
- file gHtmlCtrl.h
- file gHtmlHAttr.cpp
- file gHtmlHAttr.h
- file gHtmlHATypes.cpp
- file gHtmlHATypes.h
- file gHtmlLog.cpp
- file gHtmlLog.h
- file gHtmlOpt.cpp
- file gHtmlOpt.h
- file gHtmlParser.cpp
- file gHtmlParser.h
- file gHtmlSelect.cpp
- file gHtmlSelect.h
- file gHtmlSeq.cpp
- file gHtmlSeq.h

## **gobj/ Directory Reference**

### **gobj/ Directory Referencegobj/ Directory ReferenceFiles**

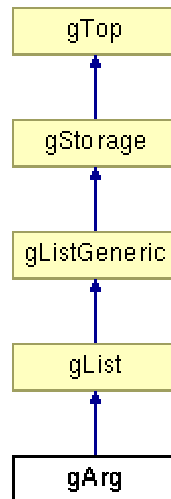
- file **garg.cpp**
- file **garg.h**
- file **garray.cpp**
- file **garray.h**
- file **gcalendar.cpp**
- file **gcalendar.h**
- file **gconfig.cpp**
- file **gconfig.h**
- file **gcontrol.cpp**
- file **gcontrol.h**
- file **gdir.cpp**
- file **gdir.h**
- file **gfile.cpp**
- file **gfile.h**
- file **gfilestat.cpp**
- file **gfilestat.h**
- file **ghash.cpp**
- file **ghash.h**
- file **ghttp.cpp**
- file **ghttp.h**
- file **glist.cpp**
- file **glist.h**
- file **glistext.cpp**
- file **glistext.h**
- file **gmain.h**
- file **gmath.cpp**
- file **gmath.h**
- file **gnet.cpp**
- file **gnet.h**
- file **gstack.cpp**
- file **gstack.h**
- file **gstdtypes.h**
- file **gstorage.cpp**
- file **gstorage.h**
- file **gstring.cpp**
- file **gstring.h**
- file **gstringext.cpp**
- file **gstringext.h**
- file **gtime.cpp**
- file **gtime.h**
- file **gweb.cpp**
- file **gweb.h**

# xpfweb\_v2x lib Class Documentation

## gArg Class Reference

gArggArg#include <garg.h>

Inheritance diagram for gArg:



### Public Member Functions

- **gArg** (char \*\*argv, char \*\*envp=nil)
- virtual ~**gArg** ()
- unsigned **NumberParams** ()
- char \* **Program** ()
- **gParamVal** \* **GetOptionPtr** (unsigned idx)
- int **AddParams** (t\_uint16 paramStart, char \*s)
- int **FlushParams** ()
- bool **NoArg** ()
- bool **FindOption** (char c)
- bool **FindOption** (char \*s)
- bool **FindOption** (char \*s, int &val)
- bool **FindOption** (char \*s, long &val)
- bool **FindOption** (char c, **gString** &sRes)
- bool **FindOption** (char \*s, **gString** &sRes)
- bool **FindOptionOccurr** (char \*s, short &nRepeats)
- bool **FindOptionOccurr** (char \*s, bool &b1)
- bool **FindOptionOccurr** (char \*s, bool &b1, bool &b2)
- virtual t\_uchar \* **ToString** (t\_uchar \*uBuf)
- virtual bool **SaveGuts** (FILE \*f)
- virtual bool **RestoreGuts** (FILE \*f)
- virtual void **Show** (bool doShowAll=true)

### Public Attributes

- **gString** prog
- **gList** env
- **gList** param
- **gList** opt
- **gList** errors
- short nParamDashWordSimple

### Protected Member Functions

- `bool thisProgramName ()`
- `bool thisAddOneParam (t_uint16 paramStart, char *sParam, gList &resL)`
- `bool thisBuildInternParam (gList &paramIn, char *strSepSplit)`
- `bool thisProcessParamElem (gParam &aParam, gParamElem &paramElem)`
- `bool thisProcessParamElem (gParam &aParam, gParamElem &paramElem, bool &isDashWordSimple)`
- `unsigned thisFindParamFromChr (t_uchar inChr, unsigned nParams, gParamElem *intParams)`
- `unsigned thisFindParamFromStr (char *s, unsigned nParams, gParamElem *intParams, bool &doMatch, unsigned &possibleParamIdx)`
- `bool thisFillParamFromChr (t_uchar inChr, unsigned nParams, gParamElem *intParams, gParamVal &paramVal)`
- `bool thisFillParamFromStr (char *s, unsigned paramRef, unsigned nParams, gParamElem *intParams, gParamVal &paramVal)`
- `int thisFlushAll (gList &inputL, gList &paramIn, unsigned nParams, gParamElem *intParams, gList &resArgL, gList &resOptL, gList &resErrL)`

### Protected Attributes

- `gParamElem * internParams`
  - `unsigned keepPos`
- 

### Constructor & Destructor Documentation

`gArg::gArg (char ** argv, char ** envp = nil)`

Definition at line 421 of file `garg.cpp`.`gArg::~gArg () [virtual]`

Definition at line 444 of file `garg.cpp`.

---

### Member Function Documentation

`int gArg::AddParams (t_uint16 paramStart, char * s)`

Definition at line 456 of file `garg.cpp`.`bool gArg::FindOption (char * s, gString & sRes)`

Definition at line 564 of file `garg.cpp`.`bool gArg::FindOption (char c, gString & sRes)`

Definition at line 554 of file `garg.cpp`.`bool gArg::FindOption (char * s, long & val)`

Definition at line 544 of file `garg.cpp`.`bool gArg::FindOption (char * s, int & val)`

Definition at line 533 of file `garg.cpp`.`bool gArg::FindOption (char * s)`

**Definition at line 527 of file garg.cpp.bool gArg::FindOption (char c)**

Definition at line 508 of file garg.cpp.

**Referenced by FindOption(), and FindOptionOccurr().bool gArg::FindOptionOccurr (char \* s, bool & b1, bool & b2)**

**Definition at line 588 of file garg.cpp.bool gArg::FindOptionOccurr (char \* s, bool & b1)**

**Definition at line 582 of file garg.cpp.bool gArg::FindOptionOccurr (char \* s, short & nRepeats)**

Definition at line 573 of file garg.cpp.

**Referenced by FindOptionOccurr().int gArg::FlushParams ()**

**Definition at line 472 of file garg.cpp.gParamVal \* gArg::GetOptionPtr (unsigned idx)**

Definition at line 449 of file garg.cpp.

**Referenced by FindOption().bool gArg::NoArg () [inline]**

**Definition at line 214 of file garg.h.unsigned gArg::NumberParams () [inline]**

Definition at line 201 of file garg.h.

**Referenced by FlushParams(), and Show().char\* gArg::Program () [inline]**

**Definition at line 204 of file garg.h.virtual bool gArg::RestoreGuts (FILE \* f) [inline, virtual]**

Reimplemented from gList (p.238).

**Definition at line 230 of file garg.h.virtual bool gArg::SaveGuts (FILE \* f) [inline, virtual]**

Reimplemented from gList (p.238).

**Definition at line 229 of file garg.h.void gArg::Show (bool doShowAll = true) [virtual]**

Reimplemented from gList (p.238).

**Definition at line 1089 of file garg.cpp.bool gArg::thisAddOneParam (t\_uint16 paramStart, char \* sParam, gList & resL) [protected]**

Definition at line 611 of file garg.cpp.

**Referenced by AddParams().bool gArg::thisBuildInternParam (gList & *paramIn*, char \* *strSepSplit*)** [protected]

Definition at line 622 of file garg.cpp.

**Referenced by FlushParams().bool gArg::thisFillParamFromChr (t\_uchar *inChr*, unsigned *nParams*, gParamElem \* *intParams*, gParamVal & *paramVal*)** [protected]

Definition at line 804 of file garg.cpp.

**Referenced by thisFlushAll().bool gArg::thisFillParamFromStr (char \* *s*, unsigned *paramRef*, unsigned *nParams*, gParamElem \* *intParams*, gParamVal & *paramVal*)** [protected]

Definition at line 822 of file garg.cpp.

**Referenced by thisFlushAll().unsigned gArg::thisFindParamFromChr (t\_uchar *inChr*, unsigned *nParams*, gParamElem \* *intParams*)** [protected]

Definition at line 735 of file garg.cpp.

**Referenced by thisFillParamFromChr(), and thisFlushAll().unsigned gArg::thisFindParamFromStr (char \* *s*, unsigned *nParams*, gParamElem \* *intParams*, bool & *doMatch*, unsigned & *possibleParamIdx*)** [protected]

Definition at line 751 of file garg.cpp.

**Referenced by thisFlushAll().int gArg::thisFlushAll (gList & *inputL*, gList & *paramIn*, unsigned *nParams*, gParamElem \* *intParams*, gList & *resArgL*, gList & *resOptL*, gList & *resErrL*)** [protected]

Definition at line 840 of file garg.cpp.

**Referenced by FlushParams().bool gArg::thisProcessParamElem (gParam & *aParam*, gParamElem & *paramElem*, bool & *isDashWordSimple*)** [protected]

**Definition at line 643 of file garg.cpp.bool gArg::thisProcessParamElem (gParam & *aParam*, gParamElem & *paramElem*)** [protected]

**Referenced by thisBuildInternParam().bool gArg::thisProgramName ()** [protected]

Definition at line 604 of file garg.cpp.

**Referenced by gArg().t\_uchar \* gArg::ToString (t\_uchar \* *uBuf*)** [virtual]

Reimplemented from gList (p.238).

Definition at line 599 of file garg.cpp.

---

## Member Data Documentation

### **gList gArg::env**

Definition at line 194 of file garg.h.

### **Referenced by gArg().gList gArg::errors**

Definition at line 197 of file garg.h.

### **Referenced by FlushParams().gParamElem\* gArg::internParams [protected]**

Definition at line 236 of file garg.h.

### **Referenced by FlushParams(), Show(), thisBuildInternParam(), and ~gArg().unsigned gArg::keepPos [protected]**

Definition at line 237 of file garg.h.

### **Referenced by FindOption(), and FindOptionOccurr().short gArg::nParamDashWordSimple**

Definition at line 198 of file garg.h.

### **Referenced by thisBuildInternParam(), and thisFlushAll().gList gArg::opt**

Definition at line 196 of file garg.h.

### **Referenced by FindOption(), FindOptionOccurr(), FlushParams(), and GetOptionPtr().gList gArg::param**

Definition at line 195 of file garg.h.

### **Referenced by AddParams(), FlushParams(), and NumberParams().gString gArg::prog**

Definition at line 193 of file garg.h.

Referenced by gArg(), and thisProgramName().

---

The documentation for this class was generated from the following files:

- **garg.h**
- **garg.cpp**

## gArray Class Reference

gArray gArray#include <garray.h>

Inheritance diagram for gArray:



### Public Member Functions

- **gArray** (unsigned y=0, unsigned x=0)
- **gArray** (gArray &copy)
- virtual ~**gArray** ()
- virtual unsigned **DimY** ()
- virtual unsigned **DimX** ()
- virtual int **GetNumInt** (unsigned y, unsigned x)
- virtual bool **IsOk** ()
- virtual char \* **Str** ()
- virtual char \* **StrFormat** (char \*fmtOptions, char \*fmtString)
- virtual void **Reset** ()
- virtual void **Release** ()
- virtual void **Resize** (unsigned newY, unsigned newX)
- void **Zero** ()
- void **Set** (int iVal)
- void **Set** (gVector &iVector)
- virtual void **TransposeMe** ()
- virtual gArray & **Transpose** ()
- virtual gArray & **AddRow** (gVector &aV)
- virtual gArray & **AddEmptyRow** (unsigned iter=1)
- virtual gArray & **AddColumn** (gVector &aV)
- virtual gArray & **AddEmptyColumn** (unsigned iter=1)
- **gArray** & **JoinArrayRight** (gArray &copy, bool doForceDim=false)
- **gArray** & **JoinArrayDown** (gArray &copy, bool doForceDim=false)
- virtual gArray & **operator=** (gArray &copy)
- virtual gArray & **operator+** (gArray &copy)
- virtual gArray & **operator-** (gArray &copy)
- virtual gArray & **operator \*** (gArray &copy)
- virtual gArray & **operator|** (gArray &copy)
- virtual gVector & **operator[]** (unsigned idx)
- virtual bool **operator==** (gArray &copy)
- virtual bool **operator!=** (gArray &copy)

### Public Attributes

- gString sArray

### Static Public Attributes

- static int **defaultFmtDigits** = 3

### Protected Member Functions

- int **thisNewDim** (unsigned y, unsigned x)
- int **thisCopyArray** (gArray &copy)
- char \* **thisFmtOptions** (int nrFmtDigits, char fmtChar)

### Protected Attributes

- unsigned **dimY**
- unsigned **dimX**
- gVector \* **pV**

---

## Constructor & Destructor Documentation

**gArray::gArray (unsigned y = 0, unsigned x = 0)**

Definition at line 210 of file garray.cpp.

Referenced by **JoinArrayDown()**, **JoinArrayRight()**, **operator \*()**, **operator+()**, **operator-()**, and **Transpose().gArray::gArray (gArray & copy)**

**Definition at line 217 of file garray.cpp.gArray::~gArray () [virtual]**

Definition at line 224 of file garray.cpp.

---

## Member Function Documentation

**gArray & gArray::AddColumn (gVector & aV) [virtual]**

Definition at line 378 of file garray.cpp.

Referenced by **AddEmptyColumn().gArray & gArray::AddEmptyColumn (unsigned iter = 1) [virtual]**

**Definition at line 402 of file garray.cpp.gArray & gArray::AddEmptyRow (unsigned iter = 1) [virtual]**

**Definition at line 370 of file garray.cpp.gArray & gArray::AddRow (gVector & aV) [virtual]**

Definition at line 354 of file garray.cpp.

Referenced by **AddEmptyRow().virtual unsigned gArray::DimX () [inline, virtual]**

Definition at line 86 of file garray.h.

**Referenced by JoinArrayDown(), JoinArrayRight(), operator \*(), operator+(), operator-(), and operator==().virtual unsigned gArray::DimY () [inline, virtual]**

Definition at line 82 of file garray.h.

**Referenced by JoinArrayDown(), JoinArrayRight(), operator \*(), operator+(), operator-(), and operator==().virtual int gArray::GetNumInt (unsigned y, unsigned x) [inline, virtual]**

Definition at line 90 of file garray.h.

**Referenced by AddColumn(), and JoinArrayRight().virtual bool gArray::IsOk () [inline, virtual]**

Reimplemented from **gStorage** (p.275).

Definition at line 94 of file garray.h.

**Referenced by GetNumInt(), Set(), and Str().gArray & gArray::JoinArrayDown (gArray & copy, bool doForceDim = false)**

**Definition at line 438 of file garray.cpp.gArray & gArray::JoinArrayRight (gArray & copy, bool doForceDim = false)**

Definition at line 410 of file garray.cpp.

**Referenced by operator|().gArray & gArray::operator \* (gArray & copy) [virtual]**

**Definition at line 506 of file garray.cpp.bool gArray::operator!= (gArray & copy) [virtual]**

**Definition at line 548 of file garray.cpp.gArray & gArray::operator+ (gArray & copy) [virtual]**

**Definition at line 462 of file garray.cpp.gArray & gArray::operator- (gArray & copy) [virtual]**

**Definition at line 484 of file garray.cpp.gArray & gArray::operator= (gArray & copy) [virtual]**

**Definition at line 396 of file garray.cpp.bool gArray::operator== (gArray & copy) [virtual]**

**Definition at line 538 of file garray.cpp.gVector & gArray::operator[] (unsigned *idx*) [virtual]**

**Definition at line 529 of file garray.cpp.gArray & gArray::operator| (gArray & *copy*) [virtual]**

**Definition at line 524 of file garray.cpp.void gArray::Release () [virtual]**

Definition at line 311 of file garray.cpp.

**Referenced by thisNewDim(), and ~gArray().virtual void gArray::Reset () [inline, virtual]**

Reimplemented from **gInt** (*p.216*).

**Definition at line 102 of file garray.h.virtual void gArray::Resize (unsigned *newY*, unsigned *newX*) [inline, virtual]**

Definition at line 108 of file garray.h.

**Referenced by Set().void gArray::Set (gVector & *iVector*)**

**Definition at line 324 of file garray.cpp.void gArray::Set (int *iVal*)**

Definition at line 317 of file garray.cpp.

**Referenced by Zero().char \* gArray::Str () [virtual]**

Reimplemented from **gStorage** (*p.276*).

**Definition at line 229 of file garray.cpp.char \* gArray::StrFormat (char \* *fmtOptions*, char \* *fmtString*) [virtual]**

**Definition at line 243 of file garray.cpp.int gArray::thisCopyArray (gArray & *copy*) [protected]**

Definition at line 564 of file garray.cpp.

**Referenced by AddColumn(), AddRow(), gArray(), and operator=().char \* gArray::thisFmtOptions (int *nrFmtDigits*, char *fmtChar*) [protected]**

Definition at line 574 of file garray.cpp.

**Referenced by StrFormat().int gArray::thisNewDim (unsigned *y*, unsigned *x*) [protected]**

Definition at line 553 of file garray.cpp.

**Referenced by gArray(), Resize(), and thisCopyArray().gArray & gArray::Transpose () [virtual]**

**Definition at line 345 of file garray.cpp.void gArray::TransposeMe () [virtual]**

Definition at line 330 of file garray.cpp.

**Referenced by Transpose().void gArray::Zero () [inline]**

Definition at line 112 of file garray.h.

Referenced by Reset().

---

## Member Data Documentation

**int gArray::defaultFmtDigits = 3 [static]**

Definition at line 7 of file garray.cpp.

**Referenced by StrFormat().unsigned gArray::dimX [protected]**

Definition at line 140 of file garray.h.

**Referenced by AddColumn(), AddEmptyRow(), AddRow(), DimX(), JoinArrayDown(), JoinArrayRight(), operator+(), operator-(), operator==(), thisNewDim(), and TransposeMe().unsigned gArray::dimY [protected]**

Definition at line 140 of file garray.h.

**Referenced by AddColumn(), AddEmptyColumn(), AddRow(), DimY(), GetNumInt(), JoinArrayDown(), JoinArrayRight(), operator+(), operator-(), operator==(), operator[](), Set(), Str(), StrFormat(), thisCopyArray(), thisNewDim(), and TransposeMe().gVector\* gArray::pV [protected]**

Definition at line 141 of file garray.h.

**Referenced by GetNumInt(), IsOk(), operator+(), operator-(), operator==(), operator[](), Release(), Set(), Str(), thisCopyArray(), thisNewDim(), and TransposeMe().gString gArray::sArray**

Definition at line 79 of file garray.h.

Referenced by Str(), StrFormat(), and thisFmtOptions().

---

The documentation for this class was generated from the following files:

- **garray.h**
- **garray.cpp**

## gArrayCollect Class Reference

gArrayCollectgArrayCollect#include <garray.h>

### Public Member Functions

- virtual ~gArrayCollect ()
- virtual int NumObjs ()
- virtual gStorage \* GetObjectPtr (unsigned idx)
- virtual gStorage \* GetFirstObjectPtr ()
- virtual gStorage \* GetLastObjectPtr ()
- int Garbage (gStorage \*newA)
- int ReleaseAll ()

### Static Public Member Functions

- static gArrayCollect & Self ()

### Protected Member Functions

- gArrayCollect ()
- int thisAddIntoList (gStorage \*newA, gList &aList)

---

### Constructor & Destructor Documentation

**gArrayCollect::~gArrayCollect ()** [virtual]

Definition at line 590 of file garray.cpp.gArrayCollect::gArrayCollect () [protected]

Definition at line 582 of file garray.cpp.

---

### Member Function Documentation

**int gArrayCollect::Garbage (gStorage \* newA)**

Definition at line 595 of file garray.cpp.virtual gStorage\*  
gArrayCollect::GetFirstObjectPtr () [inline, virtual]

Definition at line 164 of file garray.h.virtual gStorage\* gArrayCollect::GetLastObjectPtr  
() [inline, virtual]

Definition at line 167 of file garray.h.virtual gStorage\* gArrayCollect::GetObjectPtr  
(unsigned idx) [inline, virtual]

Definition at line 161 of file garray.h.virtual int gArrayCollect::NumObjs () [inline,  
virtual]

**Definition at line 157 of file garray.h.int gArrayCollect::ReleaseAll ()**

Definition at line 600 of file garray.cpp.

**Referenced by `~gArrayCollect().static gArrayCollect& gArrayCollect::Self ()` [inline, static]**

Definition at line 152 of file garray.h.

**Referenced by `gArray::JoinArrayDown()`, `gArray::JoinArrayRight()`, `gArray::operator*()`, `gVector::operator*()`, `gArray::operator+()`, `gVector::operator+()`, `gArray::operator-()`, `gVector::operator-()`, and `gArray::Transpose().int gArrayCollect::thisAddIntoList (gStorage * newA, gList & aList)` [protected]**

Definition at line 606 of file garray.cpp.

Referenced by `Garbage()`.

---

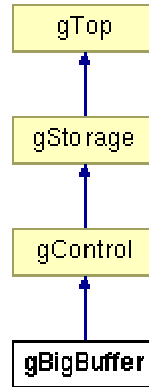
The documentation for this class was generated from the following files:

- **garray.h**
- **garray.cpp**

## gBigBuffer Class Reference

gBigBuffergBigBuffer#include <ghttp.h>

Inheritance diagram for gBigBuffer:



### Public Types

- enum **eBufferKind** { **e\_NormalRAM**, **e\_NodesRAM**, **e\_InFile** }

### Public Member Functions

- **gBigBuffer** (t\_uint32 bufSize=0)
- virtual ~**gBigBuffer** ()
- **eBufferKind** **GetBufferKind** ()
- unsigned **GetBaseSize** ()
- virtual unsigned **GetNumberNodes** ()
- virtual **gUCharBuffer** \* **GetNode** (unsigned idxNode)
- virtual **gFileTemp** & **GetFile** ()
- virtual bool **NewFile** ()
- virtual bool **WriteBuf** (int fHandle, **gUCharBuffer** &sBuf, unsigned nBytes)
- virtual bool **Flush** (unsigned nBytes)

### Public Attributes

- **gUCharBuffer** \* **baseBuf**
- bool **isDynamic**
- t\_uint64 **usedSize**

### Protected Member Functions

- bool **thisAllocateBuf** (t\_uint32 bufSize)

### Protected Attributes

- unsigned **nNodes**
- unsigned **maxNodes**
- **gUCharBuffer** \*\* **bNode**
- **gFileTemp** \* **fTemp**

---

## Member Enumeration Documentation

enum **gBigBuffer::eBufferKind**

Enumeration values:

*e\_NormalRAM*

*e\_NodesRAM*  
*e\_InFile*

Definition at line 46 of file ghttp.h.

---

## Constructor & Destructor Documentation

**gBigBuffer::gBigBuffer (t\_uint32 *bufSize* = 0)**

**Definition at line 68 of file ghttp.cpp.gBigBuffer::~~gBigBuffer () [virtual]**

Definition at line 86 of file ghttp.cpp.

---

## Member Function Documentation

**bool gBigBuffer::Flush (unsigned *nBytes*) [virtual]**

Definition at line 133 of file ghttp.cpp.

**Referenced by gXHttpCont::ReadReplyUnsized().unsigned gBigBuffer::GetBaseSize () [inline]**

**Definition at line 59 of file ghttp.h.gBigBuffer::eBufferKind gBigBuffer::GetBufferKind ()**

**Definition at line 97 of file ghttp.cpp.gFileTemp & gBigBuffer::GetFile () [virtual]**

Definition at line 111 of file ghttp.cpp.

**Referenced by gXHttpCont::ReadReplyChunked().gUCharBuffer \* gBigBuffer::GetNode (unsigned *idxNode*) [virtual]**

**Definition at line 103 of file ghttp.cpp.virtual unsigned gBigBuffer::GetNumberNodes () [inline, virtual]**

Definition at line 62 of file ghttp.h.

**Referenced by GetBufferKind().bool gBigBuffer::NewFile () [virtual]**

Definition at line 117 of file ghttp.cpp.

**Referenced by gXHttpCont::ReadReplyChunked().bool gBigBuffer::thisAllocateBuf (t\_uint32 *bufSize*) [protected]**

Definition at line 158 of file ghttp.cpp.

**Referenced by** `gBigBuffer().bool gBigBuffer::WriteBuf (int fHandle, gUCharBuffer & sBuf, unsigned nBytes)` [virtual]

Definition at line 126 of file `ghttp.cpp`.

Referenced by `gXHttpCont::ReadReplyChunked()`.

---

## Member Data Documentation

**`gUCharBuffer* gBigBuffer::baseBuf`**

Definition at line 53 of file `ghttp.h`.

**Referenced by** `Flush()`, `gXHttpCont::ReadReplyBin()`, `gXHttpCont::ReadReplyChunked()`, `gXHttpCont::ReadReplyText()`, `gXHttpCont::ReadReplyUnsizeD()`, `thisAllocateBuf()`, `gXHttpCont::thisGetHtmlContrl()`, and `~gBigBuffer().gUCharBuffer** gBigBuffer::bNode` [protected]

Definition at line 76 of file `ghttp.h`.

**Referenced by** `Flush()`, `GetNode()`, `thisAllocateBuf()`, and `~gBigBuffer().gFileTemp* gBigBuffer::fTemp` [protected]

Definition at line 77 of file `ghttp.h`.

**Referenced by** `GetFile()`, `NewFile()`, and `~gBigBuffer().bool gBigBuffer::isDynamic`

Definition at line 54 of file `ghttp.h`.

**Referenced by** `gBigBuffer().unsigned gBigBuffer::maxNodes` [protected]

Definition at line 75 of file `ghttp.h`.

**Referenced by** `Flush()`, `thisAllocateBuf()`, and `~gBigBuffer().unsigned gBigBuffer::nNodes` [protected]

Definition at line 75 of file `ghttp.h`.

**Referenced by** `Flush()`, `GetNode()`, and `GetNumberNodes().t_uint64 gBigBuffer::usedSize`

Definition at line 55 of file `ghttp.h`.

Referenced by `Flush()`, `gXHttpCont::ReadReplyBin()`, `gXHttpCont::ReadReplyText()`, and `gXHttpCont::ReadReplyUnsizeD()`.

---

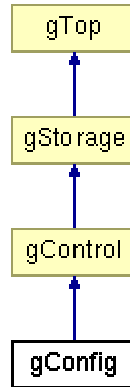
The documentation for this class was generated from the following files:

- `ghttp.h`
- `ghttp.cpp`

## gConfig Class Reference

gConfiggConfig#include <gconfig.h>

Inheritance diagram for gConfig:



### Public Types

- enum **eConfKind** { **e\_ConfLinearFree**, **e\_ConfLinear**, **e\_ConfSectionStrict**, **e\_ConfSectionFree** }

### Public Member Functions

- **gConfig** (**eConfKind** aKind=**e\_ConfLinearFree**)
- **gConfig** (**eConfKind** aKind, char \*fName, bool doOpenToRead=true)
- virtual ~**gConfig** ()
- bool **HasSections** ()
- bool **HasSection** (unsigned idxSection)
- bool **HasSection** (unsigned idxSection, unsigned &nLines)
- unsigned **GetSectionFromName** (char \*sSection)
- virtual **gList** \* **GetSection** (char \*sSection)
- bool **GetSectionLine** (unsigned idxSection, unsigned idxLine, **gString** &sSep, **gString** &sLeft, **gString** &sRight, bool &isAssign)
- bool **SetConfKind** (**eConfKind** aKind)
- bool **Process** ()
- bool **Process** (char \*fName)

### Public Attributes

- int **lastOpError**
- int **maxNLines**
- **eConfKind** **confKind**
- **gString** **sFileName**
- **gList** **lineStartCommentL**
- unsigned **lineStartPos**
- bool **doTrim**
- **gList** **linesInputL**
- **gString** **lineSepChrs**
- **gList** **lineSepStrs**
- unsigned **sectionStartPos**
- **gString** **sectionSep**
- int **iLineError**
- unsigned **nConf**
- **gList** \* **confL**
- **gList** \* **conpL**
- **gList** **sectL**

- **gList nIdxSectL**
- **gList noSectL**

#### Protected Member Functions

- **int thisConfigInit ()**
- **int thisConfigDelete ()**
- **int thisRead (char \*fName, gList &aL, gList &idxL)**
- **int thisProcess (gList &aL, gList &iLineL, int &lineError)**
- **int thisParseLine (char \*str, gList &pL)**
- **int thisAddLineToList (gList &lineL, gList &pL)**
- **bool thisSectionChrStartEnd (t\_uchar uSecChr)**

#### Protected Attributes

- **bool hasSections**
- **gList cfgL**

---

### Member Enumeration Documentation

#### enum gConfig::eConfKind

Enumeration values:

*e\_ConfLinearFree*  
*e\_ConfLinear*  
*e\_ConfSectionStrict*  
*e\_ConfSectionFree*

Definition at line 65 of file gconfig.h.

---

### Constructor & Destructor Documentation

#### gConfig::gConfig (eConfKind aKind = e\_ConfLinearFree)

Definition at line 218 of file gconfig.cpp.  
**gConfig::gConfig (eConfKind aKind, char \* fName, bool doOpenToRead = true)**

#### Definition at line 226 of file gconfig.cpp. **gConfig::~gConfig () [virtual]**

Definition at line 236 of file gconfig.cpp.

---

### Member Function Documentation

#### gList \* gConfig::GetSection (char \* sSection) [virtual]

Definition at line 268 of file gconfig.cpp.

**Referenced by gHOutOpt::Show(), and gHOutOpt::thisConfig().unsigned gConfig::GetSectionFromName (char \* sSection)**

Definition at line 257 of file gconfig.cpp.

**Referenced by** GetSection(), and gHOutOpt::thisConfig().bool gConfig::GetSectionLine (unsigned *idxSection*, unsigned *idxLine*, gString & *sSep*, gString & *sLeft*, gString & *sRight*, bool & *isAssign*)

**Definition at line 275 of file** gconfig.cpp.**bool gConfig::HasSection** (unsigned *idxSection*, unsigned & *nLines*)

**Definition at line 247 of file** gconfig.cpp.**bool gConfig::HasSection** (unsigned *idxSection*)

Definition at line 241 of file gconfig.cpp.

**Referenced by** GetSectionLine().bool gConfig::HasSections () [inline]

**Definition at line 131 of file** gconfig.h.**bool gConfig::Process** (char \* *fName*)

**Definition at line 338 of file** gconfig.cpp.**bool gConfig::Process** ()

**Definition at line 332 of file** gconfig.cpp.**bool gConfig::SetConfKind** (eConfKind *aKind*)

Definition at line 314 of file gconfig.cpp.

**Referenced by** gConfig().int gConfig::thisAddLineToList (gList & *lineL*, gList & *pL*) [protected]

Definition at line 545 of file gconfig.cpp.

**Referenced by** thisParseLine().int gConfig::thisConfigDelete () [protected]

Definition at line 361 of file gconfig.cpp.

**Referenced by** thisRead(), and ~gConfig().int gConfig::thisConfigInit () [protected]

Definition at line 344 of file gconfig.cpp.

**Referenced by** gConfig().int gConfig::thisParseLine (char \* *str*, gList & *pL*) [protected]

Definition at line 510 of file gconfig.cpp.

**Referenced by** thisProcess().int gConfig::thisProcess (gList & *aL*, gList & *iLineL*, int & *lineError*) [protected]

Definition at line 423 of file gconfig.cpp.

**Referenced by thisRead().int gConfig::thisRead (char \* fName, gList & aL, gList & idxL)**  
[protected]

Definition at line 374 of file gconfig.cpp.

**Referenced by gConfig(), and Process().bool gConfig::thisSectionChrStartEnd (t\_uchar uSecChr)** [protected]

Definition at line 563 of file gconfig.cpp.

Referenced by thisProcess().

---

## Member Data Documentation

**gList gConfig::cfgL** [protected]

Definition at line 155 of file gconfig.h.

**Referenced by gConfig(), Process(), and thisConfigDelete().eConfKind gConfig::confKind**

Definition at line 94 of file gconfig.h.

**Referenced by SetConfKind().gList\* gConfig::confL**

Definition at line 122 of file gconfig.h.

**Referenced by HasSection(), thisConfigDelete(), thisConfigInit(), and thisProcess().gList\* gConfig::conpL**

Definition at line 123 of file gconfig.h.

**Referenced by GetSection(), GetSectionLine(), gHOutOpt::Show(), thisConfigDelete(), thisConfigInit(), and thisProcess().bool gConfig::doTrim**

Definition at line 103 of file gconfig.h.

**Referenced by thisConfigInit(), and thisRead().bool gConfig::hasSections**  
[protected]

Definition at line 154 of file gconfig.h.

**Referenced by HasSection(), HasSections(), SetConfKind(), and thisProcess().int gConfig::iLineError**

Definition at line 120 of file gconfig.h.

**Referenced by gHOutOpt::thisConfig(), thisConfigInit(), and thisRead().int gConfig::lastOpError**

Reimplemented from gControl (p.30).

Definition at line 86 of file gconfig.h.

**Referenced by gHSelConf::ConfigFromFile(), gHOutOpt::ConfigFromFile(), gConfig(), and Process().gString gConfig::lineSepChrs**

Definition at line 109 of file gconfig.h.

**Referenced by thisConfigInit(), and thisParseLine().gList gConfig::lineSepStrs**

Definition at line 110 of file gconfig.h.

**Referenced by thisConfigInit(), and thisParseLine().gList gConfig::linesInputL**

Definition at line 106 of file gconfig.h.

**Referenced by gConfig(), Process(), thisConfigDelete(), and thisRead().gList gConfig::lineStartCommentL**

Definition at line 96 of file gconfig.h.

**Referenced by thisConfigInit(), and thisRead().unsigned gConfig::lineStartPos**

Definition at line 100 of file gconfig.h.

**Referenced by thisConfigInit(), and thisRead().int gConfig::maxNLines**

Definition at line 93 of file gconfig.h.

**Referenced by thisRead().unsigned gConfig::nConf**

Definition at line 121 of file gconfig.h.

**Referenced by GetSectionFromName(), HasSection(), gHOutOpt::Show(), gHOutOpt::thisConfig(), thisConfigDelete(), thisConfigInit(), and thisProcess().gList gConfig::nIdxSectL**

Definition at line 127 of file gconfig.h.

**Referenced by gHOutOpt::Show(), gHOutOpt::thisConfig(), and thisProcess().gList gConfig::noSectL**

Definition at line 128 of file gconfig.h.

**Referenced by thisProcess().gString gConfig::sectionSep**

Definition at line 114 of file gconfig.h.

**Referenced by thisConfigInit(), and thisProcess().unsigned gConfig::sectionStartPos**

Definition at line 113 of file gconfig.h.

**Referenced by thisConfigInit(), and thisProcess().gList gConfig::sectL**

Definition at line 126 of file gconfig.h.

**Referenced by GetSectionFromName(), gHOutOpt::Show(), gHOutOpt::thisConfig(), thisConfigDelete(), and thisProcess().gString gConfig::sFileName**

Definition at line 95 of file gconfig.h.

Referenced by Process(), and thisRead().

---

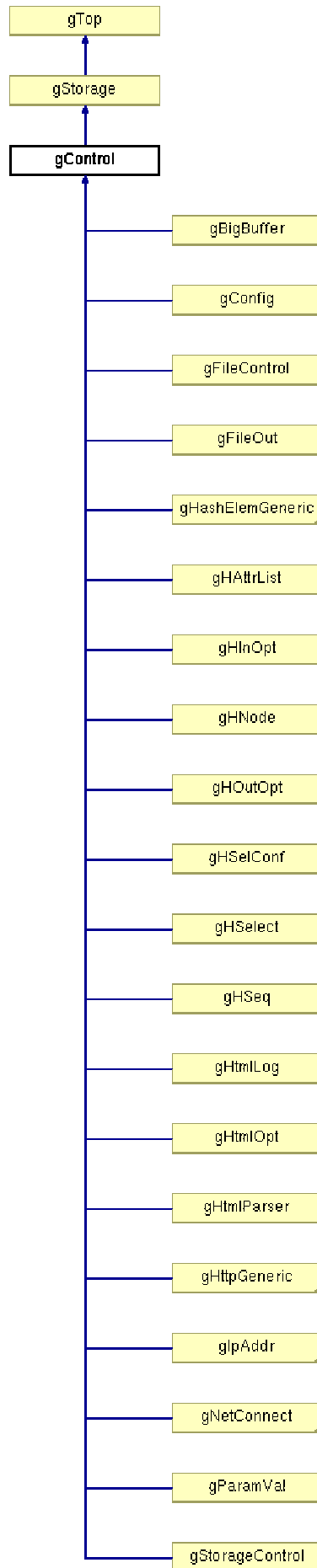
The documentation for this class was generated from the following files:

- **gconfig.h**
- **gconfig.cpp**

## **gControl Class Reference**

`gControl`  
`#include <gcontrol.h>`

Inheritance diagram for `gControl`:



### Public Member Functions

- **gControl** (eStorage aKind=e\_Control)
- virtual **~gControl** ()
- virtual bool **IsOk** ()
- virtual char \* **GetErrorStr** ()
- virtual **t\_uint16** **GetRandom** (t\_uint16 maxRange)
- virtual int **MinimumStorageSize** ()
- virtual int **MaximumStorageSize** ()
- virtual void **Reset** ()
- virtual void **ResetLog** ()
- virtual int **SetDefaultDbgLevel** (int aDbgLevel)
- virtual int **SetError** (int opError)
- int **Log** (FILE \*dbgFile, int level, const char \*formatStr,...)
- virtual int **ClearLogMem** (int level)
- virtual int **ClearLogMemAll** ()
- virtual int **ClearAllLogs** ()
- virtual **gStorage** \* **NewObject** ()
- virtual **t\_uchar** \* **ToString** (t\_uchar \*uBuf)
- virtual bool **SaveGuts** (FILE \*f)
- virtual bool **RestoreGuts** (FILE \*f)

### Public Attributes

- int **lastOpError**
- int **dbgLevel**

### Static Public Attributes

- static int **nErrors** [LOG\_LOGMAX]
- static **gList** **ILog** [LOG\_LOGMAX]

### Protected Attributes

- char **sStrError** [200]

### Static Protected Attributes

- static int **dbgLevelDefault** = LOG\_INFO
- static char **logBuf** [4096]

### Constructor & Destructor Documentation

**gControl::gControl** (eStorage *aKind* = e\_Control)

Definition at line 21 of file gcontrol.cpp.virtual **gControl::~gControl** () [inline, virtual]

Definition at line 9 of file gcontrol.h.

### Member Function Documentation

**int gControl::ClearAllLogs** () [virtual]

**Definition at line 122 of file gcontrol.cpp.int gControl::ClearLogMem (int level) [virtual]**

Definition at line 105 of file gcontrol.cpp.

**Referenced by ClearLogMemAll().int gControl::ClearLogMemAll () [virtual]**

Definition at line 114 of file gcontrol.cpp.

**Referenced by ClearAllLogs().virtual char\* gControl::GetErrorStr () [inline, virtual]**

Definition at line 23 of file gcontrol.h.

**Referenced by gHtmlParser::thisParse().t\_uint16 gControl::GetRandom (t\_uint16 maxRange) [virtual]**

**Definition at line 31 of file gcontrol.cpp.virtual bool gControl::IsOk () [inline, virtual]**

Reimplemented from **gStorage** (p.275).Reimplemented in **gIpAddr** (p.225), **gHostAddr** (p.168), and **gTcpConnect** (p.307).

Definition at line 19 of file gcontrol.h.

**Referenced by gHSeq::thisCheck(), and gHSeq::thisFindRememberedBlock().int gControl::Log (FILE \* dbgFile, int level, const char \* formatStr, ...)**

**Definition at line 65 of file gcontrol.cpp.virtual int gControl::MaximumStorageSize () [inline, virtual]**

Reimplemented from **gStorage** (p.275).Reimplemented in **gFileOut** (p.87).

**Definition at line 32 of file gcontrol.h.virtual int gControl::MinimumStorageSize () [inline, virtual]**

Reimplemented from **gStorage** (p.275).Reimplemented in **gFileOut** (p.87).

**Definition at line 29 of file gcontrol.h.gStorage \* gControl::NewObject () [virtual]**

Implements **gStorage** (p.276).Reimplemented in **gParamVal** (p.258).

**Definition at line 128 of file gcontrol.cpp.void gControl::Reset () [virtual]**

Reimplemented from **gStorage** (p.276).Reimplemented in **gHAttrList** (p.116), and **gIpAddr** (p.225).

Definition at line 36 of file gcontrol.cpp.

**Referenced by gIpAddr::Reset(), and gHAttrList::Reset().void gControl::ResetLog () [virtual]**

**Definition at line 41 of file gcontrol.cpp.virtual bool gControl::RestoreGuts (FILE \* f)**  
[inline, virtual]

Implements **gStorage** (p.276).

**Definition at line 61 of file gcontrol.h.virtual bool gControl::SaveGuts (FILE \* f)**  
[inline, virtual]

Implements **gStorage** (p.276).

**Definition at line 58 of file gcontrol.h.virtual int gControl::SetDefaultDbgLevel (int aDbgLevel)** [inline, virtual]

**Definition at line 41 of file gcontrol.h.int gControl::SetError (int opError)** [virtual]

Reimplemented from **gStorage** (p.276).Reimplemented in **gHtmlParser** (p.201).

Definition at line 49 of file gcontrol.cpp.

**Referenced by gTcpConnect::Connect(), gControl(), gXHttpCont::GetContent(), glpAddr::GetHostByName(), gTcpConnect::gTcpConnect(), gNetConnect::Read(), gHtmlParser::SetError(), gTcpConnect::thisConnect(), glpAddr::thisGetHostByAddr(), and gNetConnect::Write().virtual t\_uchar\* gControl::ToString (t\_uchar \* uBuf)**  
[inline, virtual]

Implements **gStorage** (p.277).Reimplemented in **gParamVal** (p.259), **gIpAddr** (p.226), and **gTcpConnect** (p.307).

Definition at line 55 of file gcontrol.h.

---

## Member Data Documentation

**int gControl::dbgLevel**

Definition at line 14 of file gcontrol.h.

**Referenced by Log().int gControl::dbgLevelDefault = LOG\_INFO** [static, protected]

Definition at line 12 of file gcontrol.cpp.

**Referenced by SetDefaultDbgLevel().int gControl::lastOpError**

Reimplemented in **gConfig** (p.23), and **gFileControl** (p.79).

Definition at line 13 of file gcontrol.h.

**Referenced by gHSelConf::ConfigFromFile(), gHOutOpt::ConfigFromFile(), gHInOpt::ConvertToInt(), gXHttpCont::GetContent(), glpAddr::GetHostByName(), gHtmlParser::gHtmlParser(), gTcpConnect::gTcpConnect(), IsOk(), gNetConnect::Read(), Reset(), gHAttrList::Set(), glpAddr::SetAddrFromStr(), gHtmlParser::SetError(), SetError(), gHtmlContent::thisAddHtmlTag(), gTcpConnect::thisConnect(), gXHttpCont::thisGetHtmlContrl(), gHtmlParser::thisParse(), and gNetConnect::Write().gList gControl::lLog** [static]

Definition at line 11 of file gcontrol.cpp.

**Referenced by ClearLogMem(), Log(), and ResetLog().**`char gControl::logBuf` `[static, protected]`

Definition at line 13 of file gcontrol.cpp.

**Referenced by Log().**`int gControl::nErrors` `[static]`

Definition at line 10 of file gcontrol.cpp.

**Referenced by Log(), and ResetLog().**`char gControl::sStrError[200]` `[protected]`

Definition at line 66 of file gcontrol.h.

Referenced by GetErrorStr(), and SetError().

---

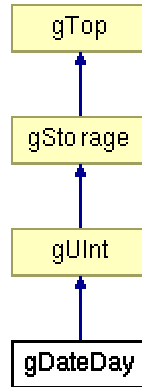
The documentation for this class was generated from the following files:

- `gcontrol.h`
- `gcontrol.cpp`

## gDateDay Class Reference

gDateDaygDateDay#include <gstringext.h>

Inheritance diagram for gDateDay:



### Public Member Functions

- **gDateDay** (t\_uint32 aDd=0)
- virtual ~gDateDay ()
- virtual bool **IsValid** ()
- virtual t\_uint32 **GetValue32** ()
- t\_uint16 **GetYear** ()
- t\_uint16 **GetMonth** ()
- t\_uint16 **GetDay** ()
- virtual int **MinimumStorageSize** ()
- bool **SetDay** (t\_uint32 aDd)
- virtual gStorage \* **NewObject** ()
- virtual bool **SaveGuts** (FILE \*f)
- virtual bool **RestoreGuts** (FILE \*f)

### Protected Attributes

- t\_uint32 dd

---

### Constructor & Destructor Documentation

**gDateDay::gDateDay** (t\_uint32 aDd = 0)

Definition at line 265 of file gstringext.cpp.

**Referenced by NewObject().gDateDay::~~gDateDay** () [virtual]

Definition at line 270 of file gstringext.cpp.

---

### Member Function Documentation

t\_uint16 gDateDay::GetDay ()

Definition at line 284 of file gstringext.cpp.t\_uint16 gDateDay::GetMonth ()

**Definition at line 279 of file gstringext.cpp.virtual t\_uint32 gDateDay::GetValue32 () [inline, virtual]**

Definition at line 39 of file gstringext.h.

**Referenced by sUnCodeBin::SaveToStream().t\_uint16 gDateDay::GetYear ()**

**Definition at line 274 of file gstringext.cpp.virtual bool gDateDay::IsValid () [inline, virtual]**

Definition at line 36 of file gstringext.h.

**Referenced by SetDay().virtual int gDateDay::MinimumStorageSize () [inline, virtual]**

Reimplemented from gStorage (*p.275*).

**Definition at line 46 of file gstringext.h.gStorage \* gDateDay::NewObject () [virtual]**

Reimplemented from gUInt (*p.323*).

**Definition at line 295 of file gstringext.cpp.bool gDateDay::RestoreGuts (FILE \* f) [virtual]**

Reimplemented from gUInt (*p.323*).

**Definition at line 308 of file gstringext.cpp.bool gDateDay::SaveGuts (FILE \* f) [virtual]**

Reimplemented from gUInt (*p.323*).

**Definition at line 301 of file gstringext.cpp.bool gDateDay::SetDay (t\_uint32 aDd)**

Definition at line 289 of file gstringext.cpp.

Referenced by sUnCodeBin::ReadFromStream(), and sTcbBin::ReadFromStream().

---

## Member Data Documentation

**t\_uint32 gDateDay::dd [protected]**

Definition at line 59 of file gstringext.h.

Referenced by GetDay(), GetMonth(), GetValue32(), GetYear(), IsValid(), NewObject(), RestoreGuts(), SaveGuts(), and SetDay().

---

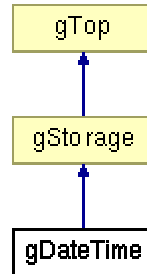
The documentation for this class was generated from the following files:

- gstringext.h
- gstringext.cpp

## gDateTime Class Reference

gDateTime#include <gcalendar.h>

Inheritance diagram for gDateTime:



### Public Types

- enum **eKindTime** { **e\_Now** }

### Public Member Functions

- **gDateTime** (**t\_stamp** aStamp=0)
- **gDateTime** (int iYear, int iMonth, int iDay, **t\_uint8** uHour=0, **t\_uint8** uMin=0, **t\_uint8** uSec=0)
- **gDateTime** (**eKindTime** aKind)
- virtual **~gDateTime** ()
- virtual bool **IsOk** ()
- virtual char \* **StorageName** ()
- virtual void **Reset** ()
- virtual int **SetError** (int opError)
- virtual **t\_stamp** **GetTimeStamp** ()
- virtual bool **SetTimeStamp** (**t\_stamp** aStamp)
- **t\_uint8** **DaysOfMonth** (int aYear, **t\_uint8** aMonth)
- virtual **gStorage** \* **NewObject** ()
- virtual **t\_uchar** \* **ToString** (**t\_uchar** \*uBuf)
- virtual bool **SaveGuts** (FILE \*f)
- virtual bool **RestoreGuts** (FILE \*f)

### Public Attributes

- int **lastOpError**
- **t\_int16** year
- **t\_uint8** month
- **t\_uint8** day
- **t\_uint8** hour
- **t\_uint8** minu
- **t\_uint8** sec
- **t\_uint8** wday
- **t\_uint16** yday
- **t\_int8** isdst

### Static Public Attributes

- static int **minimumYear** = 1900

### Protected Member Functions

- int **thisCalCheck** ()
- int **thisDateTimeCheck** (**gDateTime** &aDtTm, int minYear)
- int **thisDateCheck** (int aYear, **t\_uint8** aMonth, **t\_uint8** aDay, int minYear)
- int **thisTimeCheck** (**t\_uint8** aHour, **t\_uint8** aMin, **t\_uint8** aSec)

- `int thisConvertFromStamp (t_stamp aStamp)`
- `int thisConvertToStamp (gDateTime &aDtTm, t_stamp &aStamp)`
- `int thisConvertTo_libc_tm (gDateTime &aDtTm, struct tm *pTM)`

#### Static Protected Attributes

- `static const t_uint8 tblCalDurMonth [13]`

---

### Member Enumeration Documentation

#### `enum gDateTime::eKindTime`

##### Enumeration values:

*e\_Now*

Definition at line 9 of file `gcalendar.h`.

---

### Constructor & Destructor Documentation

#### `gDateTime::gDateTime (t_stamp aStamp = 0)`

Definition at line 24 of file `gcalendar.cpp`.

Referenced by `NewObject().gDateTime::gDateTime (int iYear, int iMonth, int iDay, t_uint8 uHour = 0, t_uint8 uMin = 0, t_uint8 uSec = 0)`

Definition at line 40 of file `gcalendar.cpp.gDateTime::gDateTime (eKindTime aKind)`

Definition at line 58 of file `gcalendar.cpp.gDateTime::~gDateTime () [virtual]`

Definition at line 74 of file `gcalendar.cpp`.

---

### Member Function Documentation

#### `t_uint8 gDateTime::DaysOfMonth (int aYear, t_uint8 aMonth)`

Definition at line 119 of file `gcalendar.cpp`.

Referenced by `thisDateCheck().t_stamp gDateTime::GetTimeStamp () [virtual]`

Definition at line 107 of file `gcalendar.cpp`.

Referenced by `gRandom::GarbleSeed(), gTimeStamp::gTimeStamp(), and NewObject().bool gDateTime::IsOk () [virtual]`

Reimplemented from `gStorage (p.275)`.

**Definition at line 78 of file gcalendar.cpp.gStorage \* gDateTime::NewObject ()**  
[virtual]

Implements gStorage (p.276).

**Definition at line 128 of file gcalendar.cpp.void gDateTime::Reset ()** [virtual]

Reimplemented from gStorage (p.276).

Definition at line 89 of file gcalendar.cpp.

**Referenced by RestoreGuts().bool gDateTime::RestoreGuts (FILE \* f)** [virtual]

Implements gStorage (p.276).

**Definition at line 152 of file gcalendar.cpp.bool gDateTime::SaveGuts (FILE \* f)**  
[virtual]

Implements gStorage (p.276).

**Definition at line 143 of file gcalendar.cpp.int gDateTime::SetError (int opError)**  
[virtual]

Reimplemented from gStorage (p.276).

Definition at line 101 of file gcalendar.cpp.

**Referenced by GetTimeStamp(), RestoreGuts(), and SetTimeStamp().bool  
gDateTime::SetTimeStamp (t\_stamp aStamp)** [virtual]

**Definition at line 114 of file gcalendar.cpp.char \* gDateTime::StorageName ()**  
[virtual]

Reimplemented from gStorage (p.276).

**Definition at line 84 of file gcalendar.cpp.int gDateTime::thisCalCheck ()** [protected]

Definition at line 175 of file gcalendar.cpp.

**Referenced by gDateTime(), and IsOk().int gDateTime::thisConvertFromStamp (t\_stamp  
aStamp)** [protected]

Definition at line 207 of file gcalendar.cpp.

**Referenced by gDateTime(), and SetTimeStamp().int  
gDateTime::thisConvertTo\_libc\_tm (gDateTime & aDtTm, struct tm \* pTM)**  
[protected]

Definition at line 249 of file gcalendar.cpp.

**Referenced by thisConvertToStamp().int gDateTime::thisConvertToStamp (gDateTime  
& aDtTm, t\_stamp & aStamp)** [protected]

Definition at line 227 of file gcalendar.cpp.

**Referenced by `GetTimeStamp()`, and `RestoreGuts().int gDateTime::thisDateCheck (int aYear, t_uint8 aMonth, t_uint8 aDay, int minYear)` [protected]**

Definition at line 189 of file `gcalendar.cpp`.

**Referenced by `thisDateTimeCheck().int gDateTime::thisDateTimeCheck (gDateTime & aDtTm, int minYear)` [protected]**

Definition at line 180 of file `gcalendar.cpp`.

**Referenced by `thisCalCheck()`, and `thisConvertTo_libc_tm().int gDateTime::thisTimeCheck (t_uint8 aHour, t_uint8 aMin, t_uint8 aSec)` [protected]**

Definition at line 200 of file `gcalendar.cpp`.

**Referenced by `thisDateTimeCheck().t_uchar * gDateTime::ToString (t_uchar * uBuf)` [virtual]**

Implements `gStorage` (p.277).

Definition at line 134 of file `gcalendar.cpp`.

---

## Member Data Documentation

**`t_uint8 gDateTime::day`**

Definition at line 23 of file `gcalendar.h`.

**Referenced by `Reset()`, `RestoreGuts()`, `SaveGuts()`, `thisConvertFromStamp()`, `thisConvertTo_libc_tm()`, `thisDateTimeCheck()`, and `ToString().t_uint8 gDateTime::hour`**

Definition at line 24 of file `gcalendar.h`.

**Referenced by `Reset()`, `RestoreGuts()`, `SaveGuts()`, `thisConvertFromStamp()`, `thisConvertTo_libc_tm()`, `thisDateTimeCheck()`, and `ToString().t_int8 gDateTime::isdst`**

Definition at line 27 of file `gcalendar.h`.

**Referenced by `IsOk()`, `Reset()`, `thisConvertFromStamp()`, and `thisConvertTo_libc_tm().int gDateTime::lastOpError`**

Definition at line 20 of file `gcalendar.h`.

**Referenced by `gDateTime()`, `IsOk()`, `Reset()`, `RestoreGuts()`, and `SetError().int gDateTime::minimumYear = 1900` [static]**

Definition at line 7 of file `gcalendar.cpp`.

**Referenced by `thisCalCheck().t_uint8 gDateTime::minu`**

Definition at line 24 of file `gcalendar.h`.

**Referenced by Reset(), RestoreGuts(), SaveGuts(), thisConvertFromStamp(), thisConvertTo\_libc\_tm(), thisDateTimeCheck(), and ToString().t\_uint8 gDateTime::month**

Definition at line 22 of file gcalendar.h.

**Referenced by Reset(), RestoreGuts(), SaveGuts(), thisConvertFromStamp(), thisConvertTo\_libc\_tm(), thisDateTimeCheck(), and ToString().t\_uint8 gDateTime::sec**

Definition at line 24 of file gcalendar.h.

**Referenced by Reset(), RestoreGuts(), SaveGuts(), thisConvertFromStamp(), thisConvertTo\_libc\_tm(), thisDateTimeCheck(), and ToString().const t\_uint8 gDateTime::tblCalDurMonth [static, protected]**

```
Initial value: {
    0,
    31,
    28,
    31,
    30,
    31,
    30,
    31,
    31,
    30,
    31,
    30,
    31,
    30,
    31}

```

Definition at line 8 of file gcalendar.cpp.

**Referenced by DaysOfMonth().t\_uint8 gDateTime::wday**

Definition at line 25 of file gcalendar.h.

**Referenced by Reset(), thisConvertFromStamp(), and thisConvertTo\_libc\_tm().t\_uint16 gDateTime::yday**

Definition at line 26 of file gcalendar.h.

**Referenced by Reset(), thisConvertFromStamp(), and thisConvertTo\_libc\_tm().t\_int16 gDateTime::year**

Definition at line 21 of file gcalendar.h.

Referenced by Reset(), RestoreGuts(), SaveGuts(), thisConvertFromStamp(), thisConvertTo\_libc\_tm(), thisDateTimeCheck(), and ToString().

---

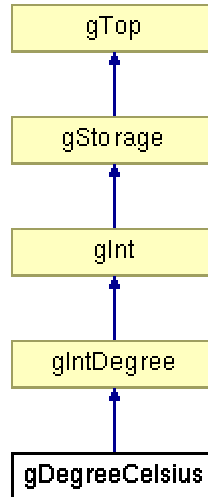
The documentation for this class was generated from the following files:

- **gcalendar.h**
- **gcalendar.cpp**

## gDegreeCelsius Class Reference

`gDegreeCelsius` `#include <gmath.h>`

Inheritance diagram for `gDegreeCelsius`:



### Public Member Functions

- `gDegreeCelsius (int d=0)`
- `virtual ~gDegreeCelsius ()`
- `virtual int Convert ()`
- `virtual int ConvertToFahrenheit (int d)`

---

### Constructor & Destructor Documentation

**`gDegreeCelsius::gDegreeCelsius (int d = 0)`**

**Definition at line 37 of file `gmath.cpp`.** `gDegreeCelsius::~~gDegreeCelsius ()` `[virtual]`

Definition at line 42 of file `gmath.cpp`.

---

### Member Function Documentation

**`virtual int gDegreeCelsius::Convert ()`** `[inline, virtual]`

Implements `gIntDegree` (*p.222*).

**Definition at line 36 of file `gmath.h`.** `int gDegreeCelsius::ConvertToFahrenheit (int d)` `[virtual]`

Definition at line 46 of file `gmath.cpp`.

Referenced by `Convert()`.

---

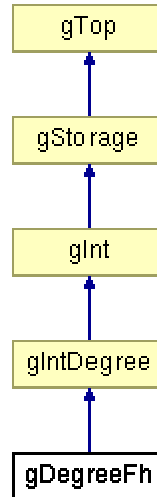
The documentation for this class was generated from the following files:

- `gmath.h`
- `gmath.cpp`

## gDegreeFh Class Reference

gDegreeFhgDegreeFh#include <gmath.h>

Inheritance diagram for gDegreeFh:



### Public Member Functions

- **gDegreeFh** (int d=0)
- virtual **~gDegreeFh** ()
- virtual int **Convert** ()
- virtual int **ConvertToCelsius** (int d)

---

### Constructor & Destructor Documentation

**gDegreeFh::gDegreeFh** (int *d* = 0)

**Definition at line 58 of file gmath.cpp.gDegreeFh::~gDegreeFh ()** [virtual]

Definition at line 63 of file gmath.cpp.

---

### Member Function Documentation

**virtual int gDegreeFh::Convert ()** [inline, virtual]

Implements **gIntDegree** (*p.222*).

**Definition at line 53 of file gmath.h.int gDegreeFh::ConvertToCelsius (int d)**  
[virtual]

Definition at line 67 of file gmath.cpp.

Referenced by **Convert()**.

---

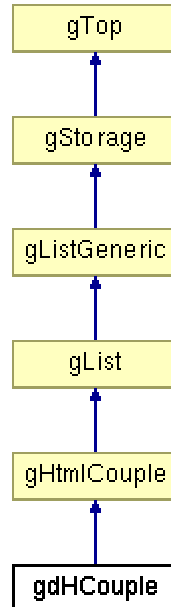
The documentation for this class was generated from the following files:

- **gmath.h**
- **gmath.cpp**

## gdHCouple Class Reference

gdHCouplegdHCouple#include <gdSnarfCont.h>

Inheritance diagram for gdHCouple:



### Public Member Functions

- **gdHCouple** (unsigned lineNr=0)
- **gdHCouple** (unsigned lineNr, char \*sText)
- **gdHCouple** (unsigned lineNr, char \*strTag, char \*sAttrLst)
- virtual ~**gdHCouple** ()
- virtual bool **IsOk** ()
- virtual char \* **GetStr** ()
- virtual **sHtmlElement** \* **GetTagElement** (t\_int16 idxTag)
- virtual char \* **TagStr** (bool forceEnd=false)
- virtual int **FindTagIdx** (char \*strTag, t\_int16 &idxTag)
- virtual char \* **GetHRef** ()
- virtual int **CopyNormalizeAttr** (char \*strTag, t\_int16 idxTag, **gHAttrList** &copyL)
- virtual void **Show** (bool doShowAll=true)

### Public Attributes

- **gHAttrs** attrs

### Protected Member Functions

- int **thisInitTag** (bool isEndTag)

---

### Constructor & Destructor Documentation

**gdHCouple::gdHCouple** (unsigned *lineNr* = 0)

Definition at line 5 of file gdSnarfCont.cpp.  
**gdHCouple::gdHCouple** (unsigned *lineNr*, char \* *sText*)

**Definition at line 10 of file gdSnarfCont.cpp.gdHCouple::gdHCouple (unsigned *lineNr*, char \* *strTag*, char \* *sAttrLst*)**

**Definition at line 15 of file gdSnarfCont.cpp.gdHCouple::~gdHCouple () [virtual]**

Definition at line 22 of file gdSnarfCont.cpp.

---

## Member Function Documentation

**int gdHCouple::CopyNormalizeAttr (char \* *strTag*, t\_int16 *idxTag*, gHAttrList & *copyL*) [virtual]**

Definition at line 96 of file gdSnarfCont.cpp.

**Referenced by gdSnarfCont::Add().int gdHCouple::FindTagIdx (char \* *strTag*, t\_int16 & *idxTag*) [virtual]**

Definition at line 82 of file gdSnarfCont.cpp.

**Referenced by gdSnarfCont::Add(), and thisInitTag().char \* gdHCouple::GetHRef () [virtual]**

Reimplemented from **gHtmlCouple** (p.189).

Definition at line 87 of file gdSnarfCont.cpp.

**Referenced by gdTxtCouple::Show().char \* gdHCouple::GetStr () [virtual]**

Reimplemented from **gHtmlCouple** (p.190).

Definition at line 32 of file gdSnarfCont.cpp.

**Referenced by gdTxtCouple::Show(), and gdSnarfCont::Str().sHtmlElement \* gdHCouple::GetTagElement (t\_int16 *idxTag*) [virtual]**

Definition at line 66 of file gdSnarfCont.cpp.

**Referenced by gdSnarfCont::Add(), and thisInitTag().bool gdHCouple::IsOk () [virtual]**

Reimplemented from **gHtmlCouple** (p.190).

**Definition at line 26 of file gdSnarfCont.cpp.void gdHCouple::Show (bool *doShowAll* = true) [virtual]**

Reimplemented from **gList** (p.238).

Definition at line 199 of file gdSnarfCont.cpp.

**Referenced by gdTxtCouple::Show().char \* gdHCouple::TagStr (bool *forceEnd* = false) [virtual]**

**Definition at line 76 of file gdSnarfCont.cpp.int gdHCouple::thisInitTag (bool *isEndTag*) [protected]**

Definition at line 212 of file gdSnarfCont.cpp.  
Referenced by gdHCouple().

---

## Member Data Documentation

### **gHAttrs gdHCouple::attrs**

Definition at line 15 of file gdSnarfCont.h.  
Referenced by CopyNormalizeAttr(), GetHRef(), GetStr(), IsOk(), and Show().

---

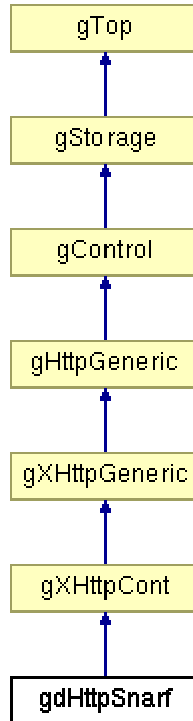
The documentation for this class was generated from the following files:

- **gdSnarfCont.h**
- **gdSnarfCont.cpp**

## gdHttpSnarf Class Reference

gdHttpSnarfgdHttpSnarf#include <gdSnarfHttp.h>

Inheritance diagram for gdHttpSnarf:



### Public Member Functions

- **gdHttpSnarf** (gTcpConnect &connection)
- virtual ~gdHttpSnarf ()
- virtual gString & GetReply ()
- virtual gBigBuffer::eBufferKind BufferKind ()
- virtual t\_uchar \* UBuffer ()
- virtual int HttpStatusCode ()
- virtual char \* HttpStatusCodeStr ()
- virtual unsigned GetHeaderLines (char \*sKind, gList &resultL)
- virtual bool SnarfContent (gString &sHost, gString &sPath)
- virtual int FileInOut (gFileTemp &fT, FILE \*fOut)
- virtual int DoPrint (FILE \*fOut)

### Protected Attributes

- t\_uint64 usedSize
- gString sReply

---

### Constructor & Destructor Documentation

**gdHttpSnarf::gdHttpSnarf** (gTcpConnect & *connection*)

Definition at line 101 of file gdSnarfHttp.cpp.gdHttpSnarf::~gdHttpSnarf () [virtual]

Definition at line 107 of file gdSnarfHttp.cpp.

---

## Member Function Documentation

**virtual gBigBuffer::eBufferKind gdHttpSnarf::BufferKind () [inline, virtual]**

Definition at line 73 of file gdSnarfHttp.h.

**Referenced by DoPrint().int gdHttpSnarf::DoPrint (FILE \* *fOut*) [virtual]**

**Definition at line 164 of file gdSnarfHttp.cpp.int gdHttpSnarf::FileInOut (gFileTemp & *fT*, FILE \* *fOut*) [virtual]**

Definition at line 152 of file gdSnarfHttp.cpp.

**Referenced by DoPrint().unsigned gdHttpSnarf::GetHeaderLines (char \* *sKind*, gList & *resultL*) [virtual]**

**Definition at line 130 of file gdSnarfHttp.cpp.gString & gdHttpSnarf::GetReply () [virtual]**

**Definition at line 111 of file gdSnarfHttp.cpp.int gdHttpSnarf::HttpCode () [virtual]**

**Definition at line 117 of file gdSnarfHttp.cpp.virtual char\* gdHttpSnarf::HttpCodeStr () [inline, virtual]**

**Definition at line 83 of file gdSnarfHttp.h.bool gdHttpSnarf::SnarfContent (gString & *sHost*, gString & *sPath*) [virtual]**

**Definition at line 146 of file gdSnarfHttp.cpp.virtual t\_uchar\* gdHttpSnarf::UBuffer () [inline, virtual]**

Definition at line 77 of file gdSnarfHttp.h.

Referenced by DoPrint().

---

## Member Data Documentation

**gString gdHttpSnarf::sReply [protected]**

Definition at line 99 of file gdSnarfHttp.h.

**Referenced by GetReply(), and SnarfContent().t\_uint64 gdHttpSnarf::usedSize [protected]**

Definition at line 98 of file gdSnarfHttp.h.

Referenced by DoPrint().

---

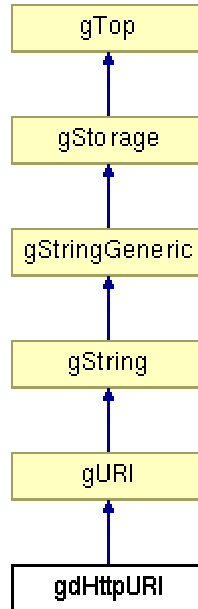
The documentation for this class was generated from the following files:

- **gdSnarfHttp.h**
- **gdSnarfHttp.cpp**

## gdHttpURI Class Reference

gdHttpURIdgdHttpURI#include <gdSnarfHttp.h>

Inheritance diagram for gdHttpURI:



### Public Member Functions

- `gdHttpURI (gURI &aURI, gString &sInProxy, t_gPort myPort=80)`
- `gdHttpURI (gURI &aURI)`
- `virtual ~gdHttpURI ()`
- `virtual bool IsOk ()`
- `virtual gString & ConnectHost ()`
- `virtual char * ConnectHostStr ()`
- `virtual gString & ContentHost ()`
- `virtual char * ContentHostStr ()`
- `virtual gString & Path ()`
- `virtual char * PathStr ()`
- `virtual t_gPort Port ()`
- `virtual char * ParseProxyStr (gString &sInProxy, bool &isProxyOk, sOptProxy &resultProxy)`

### Protected Member Functions

- `int thisProcessHttpURI (gURI &aURI, gString &sInProxy, t_gPort &myPort)`

### Protected Attributes

- `gString sConnectHost`
- `gString sContentHost`
- `gString sPath`
- `sOptProxy proxy`
- `t_gPort uPort`

---

### Constructor & Destructor Documentation

`gdHttpURI::gdHttpURI (gURI &aURI, gString &sInProxy, t_gPort myPort = 80)`

**Definition at line 3 of file gdSnarfHttp.cpp.gdHttpURI::gdHttpURI (gURI & aURI)**

**Definition at line 11 of file gdSnarfHttp.cpp.gdHttpURI::~gdHttpURI () [virtual]**

Definition at line 20 of file gdSnarfHttp.cpp.

---

## Member Function Documentation

**virtual gString& gdHttpURI::ConnectHost () [inline, virtual]**

**Definition at line 17 of file gdSnarfHttp.h.virtual char\* gdHttpURI::ConnectHostStr () [inline, virtual]**

**Definition at line 21 of file gdSnarfHttp.h.virtual gString& gdHttpURI::ContentHost () [inline, virtual]**

**Definition at line 25 of file gdSnarfHttp.h.virtual char\* gdHttpURI::ContentHostStr () [inline, virtual]**

**Definition at line 29 of file gdSnarfHttp.h.bool gdHttpURI::IsOk () [virtual]**

Reimplemented from gURI (*p.337*).

**Definition at line 24 of file gdSnarfHttp.cpp.char \* gdHttpURI::ParseProxyStr (gString & sInProxy, bool & isProxyOk, sOptProxy & resultProxy) [virtual]**

Definition at line 72 of file gdSnarfHttp.cpp.

**Referenced by thisProcessHttpURI().virtual gString& gdHttpURI::Path () [inline, virtual]**

**Definition at line 33 of file gdSnarfHttp.h.virtual char\* gdHttpURI::PathStr () [inline, virtual]**

**Definition at line 37 of file gdSnarfHttp.h.virtual t\_gPort gdHttpURI::Port () [inline, virtual]**

**Definition at line 41 of file gdSnarfHttp.h.int gdHttpURI::thisProcessHttpURI (gURI & aURI, gString & sInProxy, t\_gPort & myPort) [protected]**

Definition at line 29 of file gdSnarfHttp.cpp.

Referenced by gdHttpURI().

---

## Member Data Documentation

### **sOptProxy gdHttpURI::proxy** [protected]

Definition at line 52 of file gdSnarfHttp.h.

### **Referenced by thisProcessHttpURI().gString gdHttpURI::sConnectHost** [protected]

Definition at line 49 of file gdSnarfHttp.h.

### **Referenced by ConnectHost(), ConnectHostStr(), and thisProcessHttpURI().gString gdHttpURI::sContentHost** [protected]

Definition at line 50 of file gdSnarfHttp.h.

### **Referenced by ContentHost(), ContentHostStr(), and thisProcessHttpURI().gString gdHttpURI::sPath** [protected]

Reimplemented from **gURI** (*p.338*).

Definition at line 51 of file gdSnarfHttp.h.

### **Referenced by Path(), PathStr(), and thisProcessHttpURI().t\_gPort gdHttpURI::uPort** [protected]

Definition at line 53 of file gdSnarfHttp.h.

Referenced by gdHttpURI(), and Port().

---

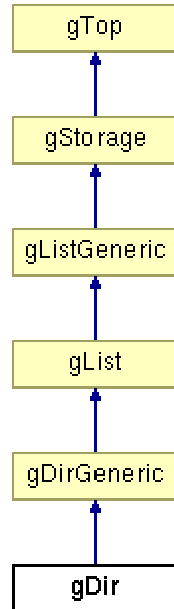
The documentation for this class was generated from the following files:

- **gdSnarfHttp.h**
- **gdSnarfHttp.cpp**

## gDir Class Reference

gDirDir#include <gdir.h>

Inheritance diagram for gDir:



### Public Member Functions

- **gDir** (char \*dName=nil)
- **gDir** (gString &dName)
- virtual ~**gDir** ()
- virtual **gFileStat** \* **GetStat** (unsigned idx)
- virtual bool **GetNameDir** (unsigned idx, **gString** &resName)
- virtual bool **GetFullNameDir** (unsigned idx, **gString** &resName, **gString** &resFullName)
- virtual void **AddDir** (char \*s)
- virtual void **AddFile** (char \*s)

### Public Attributes

- **gDirStream** dirStream
- **gList** errUnstatL

### Protected Member Functions

- int **thisScanDir** ()
- int **thisAddStatName** (eFileSystemName aFSysName, char \*s, **gFileStat** &aStat)
- int **thisAddSystemName** (gFileSysName \*aPtr)

### Protected Attributes

- int **dirCount**

---

### Constructor & Destructor Documentation

**gDir::gDir** (char \* *dName* = *nil*)

**Definition at line 325 of file gdir.cpp.gDir::gDir (gString & dName)**

**Definition at line 339 of file gdir.cpp.gDir::~gDir () [virtual]**

Definition at line 352 of file gdir.cpp.

---

#### **Member Function Documentation**

**void gDir::AddDir (char \* s) [virtual]**

**Definition at line 380 of file gdir.cpp.void gDir::AddFile (char \* s) [virtual]**

**Definition at line 388 of file gdir.cpp.bool gDir::GetFullNameDir (unsigned idx, gString & resName, gString & resFullName) [virtual]**

Definition at line 371 of file gdir.cpp.

**Referenced by GetNameDir().bool gDir::GetNameDir (unsigned idx, gString & resName) [virtual]**

**Definition at line 365 of file gdir.cpp.gFileStat \* gDir::GetStat (unsigned idx) [virtual]**

**Definition at line 356 of file gdir.cpp.int gDir::thisAddStatName (eFileSystemName aFSysName, char \* s, gFileStat & aStat) [protected]**

Definition at line 438 of file gdir.cpp.

**Referenced by thisScanDir().int gDir::thisAddSystemName (gFileSysName \* aPtr) [protected]**

Definition at line 459 of file gdir.cpp.

**Referenced by AddDir(), AddFile(), and thisAddStatName().int gDir::thisScanDir () [protected]**

Definition at line 396 of file gdir.cpp.

Referenced by gDir().

---

#### **Member Data Documentation**

**int gDir::dirCount [protected]**

**Definition at line 197 of file gdir.h.gDirStream gDir::dirStream**

Definition at line 184 of file gdir.h.

**Referenced by gDir(), and thisScanDir().gList gDir::errUnstatL**

Definition at line 185 of file gdir.h.

Referenced by thisScanDir().

---

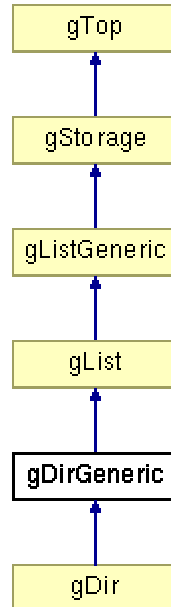
The documentation for this class was generated from the following files:

- **gdir.h**
- **gdir.cpp**

## gDirGeneric Class Reference

gDirGeneric gDirGeneric#include <gdir.h>

Inheritance diagram for gDirGeneric:



### Public Member Functions

- virtual ~gDirGeneric ()
- virtual bool **IsOk** ()
- virtual bool **IsNameOk** (char \*s)
- virtual bool **AllNamesOk** (int depthLevel)
- virtual gFileSysName \* **GetName** (unsigned idx)
- virtual t\_uchar \* **ToString** (t\_uchar \*uBuf)
- virtual bool **SaveGuts** (FILE \*f)
- virtual bool **RestoreGuts** (FILE \*f)

### Public Attributes

- int lastOpError
- gDirName sDirName

### Static Public Attributes

- static t\_uchar slashChr = gSLASHCHR

### Protected Member Functions

- gDirGeneric (eStorage kind)
- bool **thisNameOk** (char \*s, unsigned &posBad)
- bool **thisAllNamesOk** (unsigned depthLevel, unsigned &posBad, int &notOkDepth)

### Protected Attributes

- gString slashStr

## Constructor & Destructor Documentation

**gDirGeneric::~~gDirGeneric ()** [virtual]

**Definition at line 210 of file gdir.cpp.**  
**gDirGeneric::gDirGeneric (eStorage kind)**  
[protected]

Definition at line 204 of file gdir.cpp.

---

## Member Function Documentation

**bool gDirGeneric::AllNamesOk (int depthLevel)** [virtual]

Definition at line 220 of file gdir.cpp.

**Referenced by SaveGuts().gFileSysName \* gDirGeneric::GetName (unsigned idx)**  
[virtual]

Definition at line 228 of file gdir.cpp.

**Referenced by gDir::GetFullNameDir(), and gDir::GetStat().bool gDirGeneric::IsNameOk (char \* s)** [virtual]

Definition at line 214 of file gdir.cpp.

**Referenced by RestoreGuts(), and thisAllNamesOk().virtual bool gDirGeneric::IsOk ()**  
[inline, virtual]

Reimplemented from **gStorage** (p.275).

**Definition at line 142 of file gdir.h.**  
**bool gDirGeneric::RestoreGuts (FILE \* f)** [virtual]

Reimplemented from **gList** (p.238).

**Definition at line 259 of file gdir.cpp.**  
**bool gDirGeneric::SaveGuts (FILE \* f)** [virtual]

Reimplemented from **gList** (p.238).

**Definition at line 240 of file gdir.cpp.**  
**bool gDirGeneric::thisAllNamesOk (unsigned depthLevel, unsigned & posBad, int & notOkDepth)** [protected]

Definition at line 300 of file gdir.cpp.

**Referenced by AllNamesOk().bool gDirGeneric::thisNameOk (char \* s, unsigned & posBad)** [protected]

Definition at line 274 of file gdir.cpp.

**Referenced by IsNameOk().t\_uchar \* gDirGeneric::ToString (t\_uchar \* uBuf)**  
[virtual]

Reimplemented from **gList** (p.238).

Definition at line 235 of file gdir.cpp.

---

## Member Data Documentation

### **int gDirGeneric::lastOpError**

Definition at line 137 of file gdir.h.

**Referenced by** `gDir::gDir()`, `gStrControl::Init()`, `IsOk()`, and `gDir::thisScanDir().gDirName`  
`gDirGeneric::sDirName`

Definition at line 138 of file gdir.h.

**Referenced by** `gDir::gDir()`, `gDir::GetFullNameDir()`, and `gDir::thisScanDir().t_uchar`  
`gDirGeneric::slashChr = gSLASHCHR` `[static]`

Definition at line 10 of file gdir.cpp.

**Referenced by** `thisNameOk().gString` `gDirGeneric::slashStr` `[protected]`

Definition at line 161 of file gdir.h.

Referenced by `thisNameOk()`.

---

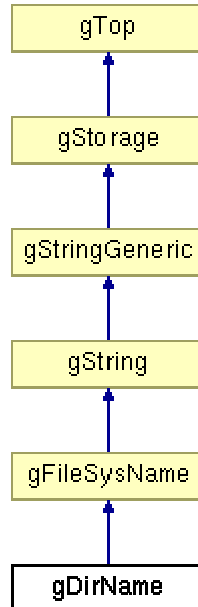
The documentation for this class was generated from the following files:

- **gdir.h**
- **gdir.cpp**

## gDirName Class Reference

gDirName gDirName #include <gdir.h>

Inheritance diagram for gDirName:



### Public Member Functions

- **gDirName** ()
- **gDirName** (char \*s)
- **gDirName** (gString &s)
- **gDirName** (gString &s, gFileStat &aStat)
- virtual **~gDirName** ()
- virtual char \* **Str** ()
- virtual char \* **Name** ()
- virtual void **SetDirName** (char \*s)
- virtual **t\_uchar** \* **ToString** (t\_uchar \*uBuf)

### Protected Member Functions

- void **thisBuildDirStr** (char \*s)

### Protected Attributes

- gString **dirStr**

## Constructor & Destructor Documentation

**gDirName::gDirName** ()

Definition at line 90 of file gdir.cpp.gDirName::gDirName (char \* s)

Definition at line 95 of file gdir.cpp.gDirName::gDirName (gString & s)

**Definition at line 101 of file gdir.cpp.gDirName::gDirName (gString & s, gFileStat & aStat)**

**Definition at line 107 of file gdir.cpp.gDirName::~gDirName () [virtual]**

Definition at line 113 of file gdir.cpp.

---

### Member Function Documentation

**char \* gDirName::Name () [virtual]**

Reimplemented from **gFileSysName** (p.96).

Definition at line 122 of file gdir.cpp.

**Referenced by gDir::thisScanDir().void gDirName::SetDirName (char \* s) [virtual]**

Definition at line 128 of file gdir.cpp.

**Referenced by gDir::gDir(), and gDirName().char \* gDirName::Str () [virtual]**

Reimplemented from **gFileSysName** (p.96).

Definition at line 117 of file gdir.cpp.

**Referenced by gDir::GetFullNameDir().void gDirName::thisBuildDirStr (char \* s) [protected]**

Definition at line 139 of file gdir.cpp.

**Referenced by SetDirName().t\_uchar \* gDirName::ToString (t\_uchar \* uBuf) [virtual]**

Reimplemented from **gString** (p.291).

Definition at line 134 of file gdir.cpp.

---

### Member Data Documentation

**gString gDirName::dirStr [protected]**

Definition at line 93 of file gdir.h.

Referenced by **Str()**, **thisBuildDirStr()**, and **ToString()**.

---

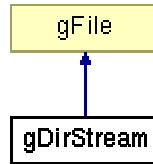
The documentation for this class was generated from the following files:

- **gdir.h**
- **gdir.cpp**

## gDirStream Class Reference

gDirStreamgDirStream#include <gdir.h>

Inheritance diagram for gDirStream:



### Public Member Functions

- **gDirStream** (char \*dName=nil)
- virtual ~**gDirStream** ()
- virtual bool **IsOpened** ()
- virtual char \* **Name** ()

### Public Attributes

- DIR \* **pdir**
- gString **dirName**
- gFileStat **dStat**

### Protected Member Functions

- int **doOpenDir** (char \*dName)
- int **doCloseDir** ()

### Protected Attributes

- bool **isDirOpened**

---

### Constructor & Destructor Documentation

**gDirStream::gDirStream** (char \* *dName* = nil)

Definition at line 157 of file gdir.cpp.**gDirStream::~~gDirStream** () [virtual]

Definition at line 170 of file gdir.cpp.

---

### Member Function Documentation

**int gDirStream::doCloseDir** () [protected]

Definition at line 191 of file gdir.cpp.

**Referenced by ~gDirStream().int gDirStream::doOpenDir** (char \* *dName*) [protected]

Definition at line 180 of file gdir.cpp.

**Referenced by gDirStream().bool gDirStream::IsOpened** () [virtual]

Reimplemented from **gFile** (p.73).

Definition at line 175 of file gdir.cpp.

**Referenced by gDir::gDir().virtual char\* gDirStream::Name () [inline, virtual]**

Definition at line 116 of file gdir.h.

Referenced by gDir::thisScanDir().

---

## Member Data Documentation

### **gString gDirStream::dirName**

Definition at line 111 of file gdir.h.

**Referenced by Name(), and gDir::thisScanDir().gFileStat gDirStream::dStat**

**Definition at line 112 of file gdir.h.bool gDirStream::isDirOpened [protected]**

Definition at line 121 of file gdir.h.

**Referenced by doCloseDir(), doOpenDir(), and IsOpened().DIR\* gDirStream::pdir**

Definition at line 110 of file gdir.h.

Referenced by doCloseDir(), doOpenDir(), and gDir::thisScanDir().

---

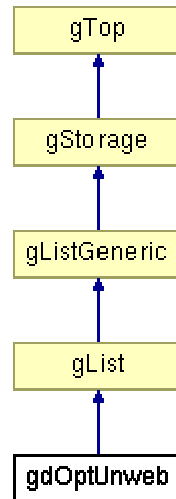
The documentation for this class was generated from the following files:

- **gdir.h**
- **gdir.cpp**

## gdOptUnweb Class Reference

gdOptUnwebgdOptUnweb#include <gdSnarfCommon.h>

Inheritance diagram for gdOptUnweb:



### Public Member Functions

- **gdOptUnweb ()**
- **~gdOptUnweb ()**
- virtual bool **DumpStreamWasOpened ()**
- virtual FILE \* **DumpStream ()**

### Public Attributes

- **gHtmlOpt htmlOpt**
- **FILE \* fDump**
- **gFileTemp \* fTemp**

---

### Constructor & Destructor Documentation

**gdOptUnweb::gdOptUnweb ()** [inline]

Definition at line 18 of file gdSnarfCommon.h.gdOptUnweb::~gdOptUnweb ()  
[inline]

Definition at line 22 of file gdSnarfCommon.h.

---

### Member Function Documentation

**FILE \* gdOptUnweb::DumpStream ()** [virtual]

Definition at line 6 of file gdSnarfCommon.cpp.virtual bool  
gdOptUnweb::DumpStreamWasOpened () [inline, virtual]

Definition at line 34 of file gdSnarfCommon.h.

Referenced by `~gdOptUnweb()`.

---

## Member Data Documentation

### FILE\* `gdOptUnweb::fDump`

Definition at line 30 of file `gdSnarfCommon.h`.

Referenced by `DumpStream()`, `DumpStreamWasOpened()`, and `~gdOptUnweb().gFileTemp*` `gdOptUnweb::fTemp`

Definition at line 31 of file `gdSnarfCommon.h`.

Referenced by `~gdOptUnweb().gHtmlOpt` `gdOptUnweb::htmlOpt`

Definition at line 28 of file `gdSnarfCommon.h`.

---

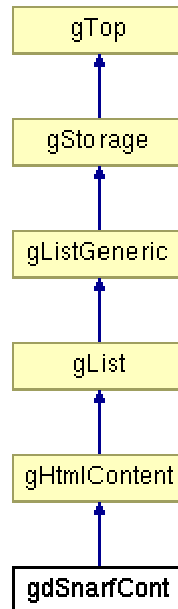
The documentation for this class was generated from the following files:

- `gdSnarfCommon.h`
- `gdSnarfCommon.cpp`

## gdSnarfCont Class Reference

gdSnarfContgdSnarfCont#include <gdSnarfCont.h>

Inheritance diagram for gdSnarfCont:



### Public Member Functions

- **gdSnarfCont** (**gHtmlOpt** \*pHtmlOpt=nil)
- virtual **~gdSnarfCont** ()
- virtual **gdHCouple** \* **GetOCouple** (unsigned idx)
- virtual char \* **Str** (unsigned idx)
- unsigned **Add** (char \*s)
- virtual int **AddFromStr** (char \*s)
- virtual int **AddFromString** (gString &aS)
- virtual int **AddFromList** (gList &aL)

---

### Constructor & Destructor Documentation

**gdSnarfCont::gdSnarfCont** (**gHtmlOpt** \* *pHtmlOpt* = nil)

Definition at line 223 of file gdSnarfCont.cpp.  
**gdSnarfCont::~~gdSnarfCont** ()  
 [virtual]

Definition at line 231 of file gdSnarfCont.cpp.

---

### Member Function Documentation

**unsigned gdSnarfCont::Add** (char \* s)

Reimplemented from **gHtmlContent** (p.186).

Definition at line 257 of file gdSnarfCont.cpp.

**Referenced by AddFromStr().int gdSnarfCont::AddFromList (gList & aL) [virtual]**

**Definition at line 328 of file gdSnarfCont.cpp.int gdSnarfCont::AddFromStr (char \* s) [virtual]**

Definition at line 317 of file gdSnarfCont.cpp.

**Referenced by AddFromString().int gdSnarfCont::AddFromString (gString & aS) [virtual]**

Definition at line 323 of file gdSnarfCont.cpp.

**Referenced by AddFromList().gdHCouple \* gdSnarfCont::GetOCouple (unsigned idx) [virtual]**

**Definition at line 237 of file gdSnarfCont.cpp.char \* gdSnarfCont::Str (unsigned idx) [virtual]**

Reimplemented from **gHtmlContent** (*p.186*).

Definition at line 246 of file gdSnarfCont.cpp.

---

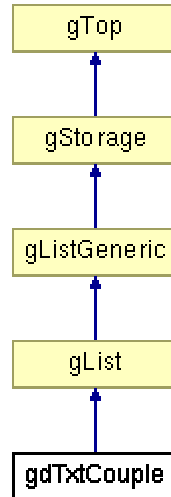
The documentation for this class was generated from the following files:

- **gdSnarfCont.h**
- **gdSnarfCont.cpp**

## gdTxtCouple Class Reference

gdTxtCouplegdTxtCouple#include <gdSnarfTxt2Cont.h>

Inheritance diagram for gdTxtCouple:



### Public Member Functions

- **gdTxtCouple** (unsigned lineNr=0)
- **gdTxtCouple** (unsigned lineNr, char \*str)
- virtual **~gdTxtCouple** ()
- virtual bool **IsOk** ()
- virtual char \* **GetStr** ()
- virtual **gdHCouple \* CouplePtr** ()
- virtual **gdHCouple & Couple** ()
- virtual void **Show** (bool doShowAll=true)

### Protected Member Functions

- int **thisInitTxtCouple** (unsigned lineNr, char \*str)

### Protected Attributes

- **gdHCouple \* ptrCouple**

---

### Constructor & Destructor Documentation

**gdTxtCouple::gdTxtCouple** (unsigned *lineNr* = 0)

**Definition at line 3 of file gdSnarfTxt2Cont.cpp.**  
**gdTxtCouple::gdTxtCouple** (unsigned *lineNr*, char \* *str*)

**Definition at line 9 of file gdSnarfTxt2Cont.cpp.**  
**gdTxtCouple::~~gdTxtCouple** ()  
 [virtual]

**Definition at line 18 of file gdSnarfTxt2Cont.cpp.**

---

## Member Function Documentation

**gdHCouple & gdTxtCouple::Couple ()** [virtual]

Definition at line 40 of file gdSnarfTxt2Cont.cpp.  
gdHCouple \* gdTxtCouple::CouplePtr () [virtual]

Definition at line 35 of file gdSnarfTxt2Cont.cpp.  
char \* gdTxtCouple::GetStr () [virtual]

Definition at line 28 of file gdSnarfTxt2Cont.cpp.  
bool gdTxtCouple::IsOk () [virtual]

Reimplemented from gStorage (p.275).

Definition at line 23 of file gdSnarfTxt2Cont.cpp.

Referenced by GetStr().  
void gdTxtCouple::Show (bool *doShowAll* = true) [virtual]

Reimplemented from gList (p.238).

Definition at line 46 of file gdSnarfTxt2Cont.cpp.  
int gdTxtCouple::thisInitTxtCouple (unsigned *lineNr*, char \* *str*) [protected]

Definition at line 68 of file gdSnarfTxt2Cont.cpp.

Referenced by gdTxtCouple().

---

## Member Data Documentation

**gdHCouple\* gdTxtCouple::ptrCouple** [protected]

Definition at line 27 of file gdSnarfTxt2Cont.h.

Referenced by Couple(), CouplePtr(), IsOk(), Show(), thisInitTxtCouple(), and ~gdTxtCouple().

---

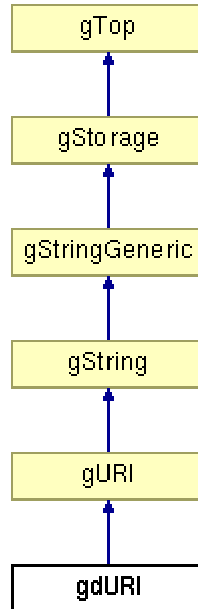
The documentation for this class was generated from the following files:

- gdSnarfTxt2Cont.h
- gdSnarfTxt2Cont.cpp

## gdURI Class Reference

gdURIgnURI#include <gdNetNames.h>

Inheritance diagram for gdURI:



### Public Types

- enum eSwift { e\_URI\_NormalSwift, e\_URI\_Swift }

### Public Member Functions

- gdURI (char \*strURI=nil)
- gdURI (eScheme aScheme, char \*strURI)
- ~gdURI ()
- virtual bool IsOk ()
- virtual bool IsValidDomain ()
- virtual char \* GetPathStr ()
- virtual char \* GetRelativePathStr (eSwift aSwift=e\_URI\_NormalSwift)
- virtual char \* GetDomainAndPathStr (eSwift aSwift=e\_URI\_NormalSwift)
- virtual char \* GetPathNameStr (eSwift aSwift=e\_URI\_NormalSwift)
- virtual bool Update ()

### Protected Attributes

- gString sPad

## Member Enumeration Documentation

### enum gdURI::eSwift

Enumeration values:

*e\_URI\_NormalSwift*  
*e\_URI\_Swift*

Definition at line 9 of file gdNetNames.h.

## Constructor & Destructor Documentation

**gdURI::gdURI (char \* *strURI* = nil)**

**Definition at line 15 of file gdNetNames.cpp.gdURI::gdURI (eScheme *aScheme*, char \* *strURI*)**

**Definition at line 20 of file gdNetNames.cpp.gdURI::~gdURI ()**

Definition at line 27 of file gdNetNames.cpp.

---

## Member Function Documentation

**char \* gdURI::GetDomainAndPathStr (eSwift *aSwift* = e\_URI\_NormalSwift)  
[virtual]**

**Definition at line 75 of file gdNetNames.cpp.char \* gdURI::GetPathNameStr (eSwift *aSwift* = e\_URI\_NormalSwift) [virtual]**

**Definition at line 97 of file gdNetNames.cpp.char \* gdURI::GetPathStr () [virtual]**

Reimplemented from **gURI** (*p.337*).

Definition at line 55 of file gdNetNames.cpp.

**Referenced by GetPathNameStr(), and GetRelativePathStr().char \*  
gdURI::GetRelativePathStr (eSwift *aSwift* = e\_URI\_NormalSwift) [virtual]**

Definition at line 61 of file gdNetNames.cpp.

**Referenced by GetDomainAndPathStr().bool gdURI::IsOk () [virtual]**

Reimplemented from **gURI** (*p.337*).

Definition at line 31 of file gdNetNames.cpp.

**Referenced by Update().bool gdURI::IsValidDomain () [virtual]**

Reimplemented from **gURI** (*p.337*).

Definition at line 43 of file gdNetNames.cpp.

**Referenced by IsOk().bool gdURI::Update () [virtual]**

Definition at line 120 of file gdNetNames.cpp.

---

## Member Data Documentation

**gString gdURI::sPad [protected]**

Definition at line 35 of file gdNetNames.h.

Referenced by `GetDomainAndPathStr()`, `GetPathNameStr()`, and `GetRelativePathStr()`.

---

The documentation for this class was generated from the following files:

- **`gdNetNames.h`**
- **`gdNetNames.cpp`**

## gElem Class Reference

gElemgElem#include <glist.h>

Inheritance diagram for gElem:



### Public Member Functions

- **gElem ()**
- **gElem (gStorage \*newObj)**
- **virtual ~gElem ()**
- **virtual int MaximumStorageSize ()**
- **virtual t\_uchar \* ToString (t\_uchar \*uBuf)**
- **virtual char \* Str ()**
- **virtual gStorage \* NewObject ()**
- **virtual bool SaveGuts (FILE \*f)**
- **virtual bool RestoreGuts (FILE \*f)**

### Public Attributes

- **gElem \* prev**
- **gElem \* next**
- **gStorage \* me**

---

### Constructor & Destructor Documentation

**gElem::gElem ()**

**Definition at line 14 of file glist.cpp.gElem::gElem (gStorage \* *newObj*)**

**Definition at line 22 of file glist.cpp.gElem::~gElem () [virtual]**

Definition at line 31 of file glist.cpp.

---

### Member Function Documentation

**virtual int gElem::MaximumStorageSize () [inline, virtual]**

Reimplemented from **gStorage** (*p.275*).

**Definition at line 32 of file glist.h.gStorage \* gElem::NewObject () [virtual]**

Implements **gStorage** (*p.276*).

**Definition at line 42 of file glist.cpp.bool gElem::RestoreGuts (FILE \* f) [virtual]**

Implements **gStorage** (p.276).

**Definition at line 66 of file glist.cpp.bool gElem::SaveGuts (FILE \* f) [virtual]**

Implements **gStorage** (p.276).

**Definition at line 60 of file glist.cpp.char \* gElem::Str () [virtual]**

Reimplemented from **gStorage** (p.276).

Definition at line 54 of file glist.cpp.

**Referenced by gListGeneric::Str().t\_uchar \* gElem::ToString (t\_uchar \* uBuf) [virtual]**

Implements **gStorage** (p.277).

Definition at line 48 of file glist.cpp.

---

## Member Data Documentation

### **gStorage\* gElem::me**

Definition at line 29 of file glist.h.

**Referenced by gList::CopyList(), gListGeneric::ElementsKind(), gElem(), gStack::GetCurrent(), gListGeneric::GetFirstObjectPtr(), gList::GetInt(), gListGeneric::GetLastObjectPtr(), gListGeneric::GetObjectPtr(), gList::GetUInt(), RestoreGuts(), SaveGuts(), Str(), gListGeneric::thisIndex(), ToString(), and ~gElem().gElem\* gElem::next**

Definition at line 28 of file glist.h.

**Referenced by gList::CopyList(), gListGeneric::Delete(), gListGeneric::ElementsKind(), gListGeneric::thisAppend(), gListGeneric::thisDelete(), and gListGeneric::thisIndex().gElem\* gElem::prev**

Definition at line 27 of file glist.h.

Referenced by **gListGeneric::Delete()**, and **gListGeneric::thisAppend()**.

---

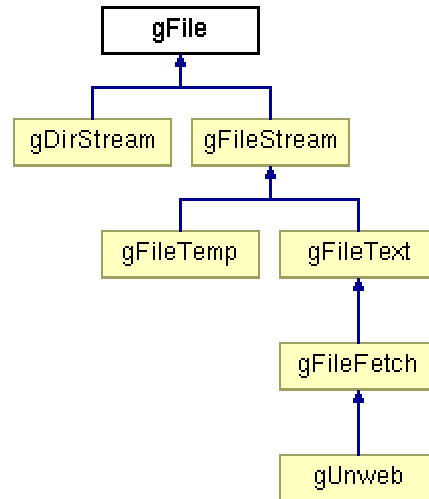
The documentation for this class was generated from the following files:

- **glist.h**
- **glist.cpp**

## gFile Class Reference

gFile gFile#include <gfile.h>

Inheritance diagram for gFile:



### Public Types

- enum **eFileKind** { **e\_Text**, **e\_Binary** }
- enum **eDeviceKind** { **e\_fDevOther**, **e\_fStdin**, **e\_fStdout**, **e\_fStderr** }

### Public Member Functions

- **gFile** (**eFileKind** aFKind, char \*fName, bool doOpenToRead, bool isTmpFile=false)
- virtual ~**gFile** ()
- virtual bool **IsOk** ()
- **eFileKind** **FileKind** ()
- **eDeviceKind** **Device** ()
- virtual bool **IsDevice** ()
- virtual bool **IsOpened** ()
- FILE \* **Stream** ()
- **t\_uint16** **Mode** ()
- char \* **LastErrorStr** ()
- char \* **ErrorStr** (int aErrorNo)
- virtual bool **OpenDevice** (**eDeviceKind** aDKind)
- virtual bool **OpenToRead** (char \*fName)
- virtual bool **Overwrite** (char \*fName)
- virtual bool **Close** ()
- bool **ReadData** (void \*buf, **t\_uint16** bufSize)
- virtual bool **ReadBuffer** (void \*buf, **t\_uint16** bufSize, **t\_uint16** &nBytes)
- virtual bool **Read** (void \*buf, **t\_uint16** bufSize, **t\_uint16** &nBytes)

### Public Attributes

- int **lastOpError**

### Protected Member Functions

- bool **thisRead** (int fd, void \*buf, **t\_uint16** bufSize, **t\_uint16** &nBytes)

### Protected Attributes

- FILE \* **f**
- **eFileKind** **fKind**

- **eDeviceKind dKind**
- **t\_uint16 fMode**
- **char lastErrorMsg [1024]**

---

## Member Enumeration Documentation

### enum gFile::eDeviceKind

Enumeration values:

*e\_fDevOther*  
*e\_fStdin*  
*e\_fStdout*  
*e\_fStderr*

### Definition at line 204 of file gfile.h.enum gFile::eFileKind

Enumeration values:

*e\_Text*  
*e\_Binary*

Definition at line 199 of file gfile.h.

---

## Constructor & Destructor Documentation

**gFile::gFile (eFileKind aFKind, char \* fName, bool doOpenToRead, bool isTmpFile = false)**

Definition at line 535 of file gfile.cpp.gFile::~~gFile () [virtual]

Definition at line 554 of file gfile.cpp.

---

## Member Function Documentation

**bool gFile::Close () [virtual]**

Definition at line 660 of file gfile.cpp.

**Referenced by OpenDevice(), Overwrite(), ~gFile(), and gFileTemp::~gFileTemp().eDeviceKind gFile::Device () [inline]**

**Definition at line 226 of file gfile.h.char \* gFile::ErrorStr (int aErrorNo)**

Definition at line 607 of file gfile.cpp.

**Referenced by LastErrorStr().eFileKind gFile::FileKind () [inline]**

**Definition at line 222 of file gfile.h.virtual bool gFile::IsDevice () [inline, virtual]**

Definition at line 230 of file gfile.h.

**Referenced by gFileStream::Rewind(), and gFileFetch::thisReadFile().virtual bool gFile::IsOk () [inline, virtual]**

**Definition at line 218 of file gfile.h.virtual bool gFile::IsOpened () [inline, virtual]**

Reimplemented in **gDirStream** (p.58), and **gFileTemp** (p.99).

Definition at line 234 of file gfile.h.

**Referenced by gUnweb::IsBufferOk(), IsOk(), gFileTemp::IsOpened(), OpenToRead(), gFileText::ReadLine(), gFileStream::Rewind(), gConfig::thisRead(), and gFileFetch::thisReadFile().char \* gFile::LastErrorStr ()**

**Definition at line 597 of file gfile.cpp.t\_uint16 gFile::Mode () [inline]**

**Definition at line 240 of file gfile.h.bool gFile::OpenDevice (eDeviceKind aDKind) [virtual]**

Definition at line 612 of file gfile.cpp.

**Referenced by gFile(), and gFileFetch::gFileFetch().bool gFile::OpenToRead (char \* fName) [virtual]**

Definition at line 635 of file gfile.cpp.

**Referenced by gFileFetch::Fetch().bool gFile::Overwrite (char \* fName) [virtual]**

Reimplemented in **gFileStream** (p.93).

Definition at line 649 of file gfile.cpp.

**Referenced by gFileStream::Overwrite().bool gFile::Read (void \* buf, t\_uint16 bufSize, t\_uint16 & nBytes) [virtual]**

Reimplemented in **gFileStream** (p.93).

Definition at line 587 of file gfile.cpp.

**Referenced by gFileStream::Read().bool gFile::ReadBuffer (void \* buf, t\_uint16 bufSize, t\_uint16 & nBytes) [virtual]**

Reimplemented in **gFileStream** (p.93).

Definition at line 565 of file gfile.cpp.

**Referenced by gFileStream::ReadBuffer(), and ReadData().bool gFile::ReadData (void \* buf, t\_uint16 bufSize)**

**Definition at line 559 of file gfile.cpp.****FILE\* gFile::Stream ()** `[inline]`

**Definition at line 237 of file gfile.h.****bool gFile::thisRead (int fd, void \* buf, t\_uint16 bufSize, t\_uint16 & nBytes)** `[protected]`

Definition at line 669 of file gfile.cpp.

Referenced by Read().

---

## Member Data Documentation

**eDeviceKind gFile::dKind** `[protected]`

Definition at line 259 of file gfile.h.

**Referenced by Close(), Device(), IsDevice(), OpenDevice(), and Overwrite().****FILE\* gFile::f** `[protected]`

Definition at line 257 of file gfile.h.

**Referenced by Close(), gFile(), gFileStream::gFileStream(), gFileTemp::gFileTemp(), IsOpened(), OpenDevice(), OpenToRead(), Overwrite(), gFileStream::Read(), Read(), ReadBuffer(), gFileText::ReadLine(), gFileTemp::Rewind(), gFileStream::Rewind(), Stream(), and gFileFetch::thisReadFileThrough().****eFileKind gFile::fKind** `[protected]`

Definition at line 258 of file gfile.h.

**Referenced by FileKind(), gFile(), OpenToRead(), and Overwrite().****t\_uint16 gFile::fMode** `[protected]`

Definition at line 260 of file gfile.h.

**Referenced by Mode(), OpenDevice(), OpenToRead(), and Overwrite().****char gFile::lastErrorMsg[1024]** `[protected]`

Definition at line 261 of file gfile.h.

**Referenced by gFile(), LastErrorStr(), and OpenToRead().****int gFile::lastOpError**

Definition at line 215 of file gfile.h.

Referenced by Close(), gDirStream::doOpenDir(), gDir::gDir(), gDirStream::gDirStream(), gFile(), IsOk(), LastErrorStr(), OpenToRead(), Overwrite(), ReadBuffer(), gFileText::ReadLine(), gFileStream::Rewind(), gFileTemp::thisOverwrite(), thisRead(), gFileFetch::thisReadAll(), and gFileTemp::~gFileTemp().

---

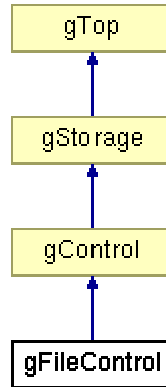
The documentation for this class was generated from the following files:

- **gfile.h**
- **gfile.cpp**

## gFileControl Class Reference

gFileControl gFileControl#include <gfile.h>

Inheritance diagram for gFileControl:



### Public Member Functions

- `~gFileControl ()`
- `bool IsOkChar (t_uchar c)`
- `bool IsOkStrict (t_uchar c, bool isStrict)`
- `bool IsOkPathname (char *s)`
- `int CtrlGetTempPath (char *resPathStr)`
- `t_uint32 CtrlGetPid ()`
- `gString & CtrlGetUserName ()`
- `t_uint32 GetCurrentEpoch ()`
- `gString & GetUniqueName (char *s)`
- `char * ErrorStr (int aErrorNo)`
- `bool IsTerminated ()`
- `void InitCharOnFile (t_uchar *s)`
- `bool AddTempFile (gString &s)`
- `int Init ()`
- `int End (bool doReportObjs=true)`
- `int RemoveTemp (bool doReport=true)`
- `int RemoveTemp (unsigned &nTemp, bool doReport)`
- `int Release (bool doReport)`
- `t_int16 IsSignaled (t_int16 iSignalId)`
- `t_int16 SetSignaled (t_int16 iSignalId, t_int16 handled)`
- `t_int16 SetSignaledByStr (char *shortStr, t_int16 handled)`
- `void SignalHandler (int signalId)`
- `int OnEventTerminate (int(*DoSomething)(int))`
- `bool Write (int fHandle, t_uchar *uBuf, unsigned nBytes)`
- `void GetCwd (gString &s)`
- `int NanoSleep (t_uint32 uSec, t_uint32 nSec)`
- `int NanoSleep (t_uint32 nSec)`
- `int SecSleep (t_uint32 aSec)`
- `int MiliSecSleep (t_uint32 aSec)`

### Static Public Member Functions

- `static gFileControl & Self ()`

### Public Attributes

- `int lastOpError`
- `short isCharOnFile [256]`

- short **charOnFileRelax**
- char **tmpPath** [300]
- char **tmpPrefix** [10]
- char **tmpSuffix** [10]
- **t\_uint16** **userId**
- FILE \* **fReport**
- int **exitCodeOnSignal**
- **gList** \* **tempL**

#### Protected Member Functions

- **gFileControl** ()
- int **thisInit** ()
- int **thisInitCharOnFile** (bool doDefault)
- int **thisGetUniqueName** (char \*s, **t\_uint32** &aStamp, **t\_uint32** &aRand, **gString** &sRes)

#### Protected Attributes

- **gString** **sName**
- **gString** **sUName**

---

### Constructor & Destructor Documentation

**gFileControl::~gFileControl** ()

Definition at line 86 of file **gfile.cpp**.**gFileControl::gFileControl** () [protected]

Definition at line 64 of file **gfile.cpp**.

---

### Member Function Documentation

**bool gFileControl::AddTempFile** (**gString** & s)

Definition at line 211 of file **gfile.cpp**.**t\_uint32 gFileControl::CtrlGetPid** ()

Definition at line 134 of file **gfile.cpp**.

Referenced by **thisGetUniqueName** ().int **gFileControl::CtrlGetTempPath** (char \* *resPathStr*)

Definition at line 118 of file **gfile.cpp**.

Referenced by **gFileControl** ().**gString& gFileControl::CtrlGetUserName** () [inline]

Definition at line 130 of file **gfile.h**.int **gFileControl::End** (bool *doReportObjs* = true)

Definition at line 225 of file **gfile.cpp**.char \* **gFileControl::ErrorStr** (int *aErrorNo*)

**Definition at line 164 of file gfile.cpp.t\_uint32 gFileControl::GetCurrentEpoch ()**

Definition at line 144 of file gfile.cpp.

**Referenced by thisGetUniqueName().void gFileControl::GetCwd (gString & s)**

**Definition at line 349 of file gfile.cpp.gString & gFileControl::GetUniqueName (char \* s)**

**Definition at line 157 of file gfile.cpp.int gFileControl::Init ()**

**Definition at line 219 of file gfile.cpp.void gFileControl::InitCharOnFile (t\_uchar \* s)**

Definition at line 451 of file gfile.cpp.

**Referenced by thisInitCharOnFile().bool gFileControl::IsOkChar (t\_uchar c) [inline]**

Definition at line 120 of file gfile.h.

**Referenced by IsOkPathname(), and IsOkStrict().bool gFileControl::IsOkPathname (char \* s)**

**Definition at line 101 of file gfile.cpp.bool gFileControl::IsOkStrict (t\_uchar c, bool *isStrict*)**

**Definition at line 92 of file gfile.cpp.t\_int16 gFileControl::IsSignaled (t\_int16 *iSignalled*)**

Definition at line 234 of file gfile.cpp.

**Referenced by thisInit().bool gFileControl::IsTerminated () [inline]**

**Definition at line 138 of file gfile.h.int gFileControl::MiliSecSleep (t\_uint32 aSec)**

Definition at line 404 of file gfile.cpp.

**Referenced by SecSleep().int gFileControl::NanoSleep (t\_uint32 nSec) [inline]**

**Definition at line 166 of file gfile.h.int gFileControl::NanoSleep (t\_uint32 uSec, t\_uint32 nSec)**

Definition at line 368 of file gfile.cpp.

**Referenced by MiliSecSleep(), and NanoSleep().int gFileControl::OnEventTerminate (int\*)(int) *DoSomething***

**Definition at line 331 of file gfile.cpp.int gFileControl::Release (bool *doReport*)**

Definition at line 202 of file gfile.cpp.

**Referenced by End(), and SignalHandler().int gFileControl::RemoveTemp (unsigned & *nTemp*, bool *doReport*)**

**Definition at line 180 of file gfile.cpp.int gFileControl::RemoveTemp (bool *doReport* = true)**

Definition at line 174 of file gfile.cpp.

**Referenced by Release().int gFileControl::SecSleep (t\_uint32 *aSec*)**

**Definition at line 387 of file gfile.cpp.static gFileControl& gFileControl::Self () [inline, static]**

Definition at line 103 of file gfile.h.

**Referenced by gFile::ErrorStr(), gFileTemp::gFileTemp(), gFileSysName::IsStrOk(), gXHttpGeneric::MiliSecSleep(), MySignalHandler(), gXHttpGeneric::SecSleep(), gFileTemp::thisOverwrite(), and gFileTemp::~~gFileTemp().t\_int16 gFileControl::SetSignaled (t\_int16 *iSignalId*, t\_int16 *handled*)**

**Definition at line 252 of file gfile.cpp.t\_int16 gFileControl::SetSignaledByStr (char \* *shortStr*, t\_int16 *handled*)**

**Definition at line 270 of file gfile.cpp.void gFileControl::SignalHandler (int *signalId*)**

**Definition at line 289 of file gfile.cpp.int gFileControl::thisGetUniqueName (char \* *s*, t\_uint32 & *aStamp*, t\_uint32 & *aRand*, gString & *sRes*) [protected]**

Definition at line 510 of file gfile.cpp.

**Referenced by GetUniqueName().int gFileControl::thisInit () [protected]**

Definition at line 423 of file gfile.cpp.

**Referenced by Init().int gFileControl::thisInitCharOnFile (bool *doDefault*) [protected]**

Definition at line 460 of file gfile.cpp.

**Referenced by InitCharOnFile(), and thisInit().bool gFileControl::Write (int *fHandle*, t\_uchar \* *uBuf*, unsigned *nBytes*)**

Definition at line 336 of file gfile.cpp.

---

## Member Data Documentation

**short gFileControl::charOnFileRelax**

Definition at line 110 of file gfile.h.

**Referenced by IsOkStrict(), and thisInitCharOnFile().int gFileControl::exitCodeOnSignal**

Definition at line 116 of file gfile.h.

**Referenced by SignalHandler().FILE\* gFileControl::fReport**

Definition at line 115 of file gfile.h.

**Referenced by RemoveTemp(), and SignalHandler().short gFileControl::isCharOnFile[256]**

Definition at line 109 of file gfile.h.

**Referenced by InitCharOnFile(), IsOkChar(), and thisInitCharOnFile().int gFileControl::lastOpError**

Reimplemented from **gControl** (*p.30*).

Definition at line 108 of file gfile.h.

**Referenced by GetCurrentEpoch(), GetCwd(), Release(), RemoveTemp(), and Write().gString gFileControl::sName [protected]**

Definition at line 175 of file gfile.h.

**Referenced by GetUniqueName(), and thisGetUniqueName().gString gFileControl::sUName [protected]**

Definition at line 176 of file gfile.h.

**Referenced by CtrlGetUserName(), and gFileControl().gList\* gFileControl::tempL**

Definition at line 117 of file gfile.h.

**Referenced by AddTempFile(), gFileControl(), Release(), and RemoveTemp().char gFileControl::tmpPath[300]**

Definition at line 111 of file gfile.h.

**Referenced by gFileControl(), and thisGetUniqueName().char  
gFileControl::tmpPrefix[10]**

Definition at line 112 of file gfile.h.

**Referenced by gFileControl(), and thisGetUniqueName().char  
gFileControl::tmpSuffix[10]**

Definition at line 113 of file gfile.h.

**Referenced by gFileControl(), and thisGetUniqueName().t\_uint16 gFileControl::userId**

Definition at line 114 of file gfile.h.

Referenced by gFileControl(), and thisGetUniqueName().

---

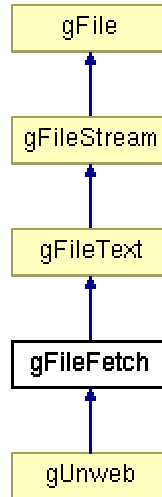
The documentation for this class was generated from the following files:

- **gfile.h**
- **gfile.cpp**

## gFileFetch Class Reference

gFileFetchgFileFetch#include <gconfig.h>

Inheritance diagram for gFileFetch:



### Public Member Functions

- **gFileFetch** (int maxLines=-1)
- **gFileFetch** (gString &sFName, int maxLines=-1)
- **gFileFetch** (char \*fName, int maxLines=-1, bool aShowProgress=false)
- **gFileFetch** (gString &sInput, bool aShowProgress)
- virtual ~**gFileFetch** ()
- virtual bool **IsBufferOk** ()
- virtual char \* **Str** (unsigned idx)
- virtual bool **BufferAutoAdjust** ()
- bool **Fetch** (gString &sFName)
- void **AdjustBuffer** (bool doBufferResize)
- virtual bool **SetFileReport** (FILE \*fRep)
- virtual bool **SetDeviceReport** (eDeviceKind aDKind)

### Public Attributes

- **gList aL**
- bool **doEndNewLine**

### Protected Member Functions

- int **thisReadFile** (bool &isOk, gList &zL)
- int **thisReadAll** (bool &isOk, bool &isBufOk, gList &zL)
- int **thisReadFileThrough** (gList &zL, t\_uint32 &nBytes)
- int **thisReadStringAsFile** (gString &sInput, gList &zL)

### Protected Attributes

- int **maxNLines**
- bool **isFetchBufferOk**
- bool **doResize**
- bool **doShowProgress**
- FILE \* **fVRepErr**

## Constructor & Destructor Documentation

**gFileFetch::gFileFetch (int *maxLines* = -1)**

Definition at line 10 of file gconfig.cpp.  
**gFileFetch::gFileFetch (gString & *sFName*, int *maxLines* = -1)**

Definition at line 21 of file gconfig.cpp.  
**gFileFetch::gFileFetch (char \* *fName*, int *maxLines* = -1, bool *aShowProgress* = false)**

Definition at line 34 of file gconfig.cpp.  
**gFileFetch::gFileFetch (gString & *sInput*, bool *aShowProgress*)**

Definition at line 54 of file gconfig.cpp.  
**gFileFetch::~gFileFetch () [virtual]**

Definition at line 67 of file gconfig.cpp.

---

## Member Function Documentation

**void gFileFetch::AdjustBuffer (bool *doBufferResize*) [inline]**

Definition at line 36 of file gconfig.h.  
**virtual bool gFileFetch::BufferAutoAdjust () [inline, virtual]**

Definition at line 30 of file gconfig.h.  
**bool gFileFetch::Fetch (gString & *sFName*)**

Definition at line 98 of file gconfig.cpp.  
**virtual bool gFileFetch::IsBufferOk () [inline, virtual]**

Reimplemented from **gFileStream** (p.93). Reimplemented in **gUnweb** (p.330).

Definition at line 22 of file gconfig.h.

Referenced by **gUnweb::IsBufferOk()**.  
**bool gFileFetch::SetDeviceReport (eDeviceKind *aDKind*) [virtual]**

Definition at line 78 of file gconfig.cpp.

Referenced by **gFileFetch()**.  
**bool gFileFetch::SetFileReport (FILE \* *fRep*) [virtual]**

Definition at line 71 of file gconfig.cpp.

Referenced by **SetDeviceReport()**.  
**virtual char\* gFileFetch::Str (unsigned *idx*) [inline, virtual]**

Reimplemented in **gUnweb** (p.331).

**Definition at line 26 of file gconfig.h.int gFileFetch::thisReadAll (bool & *isOk*, bool & *isBufOk*, gList & *zL*) [protected]**

Definition at line 134 of file gconfig.cpp.

**Referenced by thisReadFile().int gFileFetch::thisReadFile (bool & *isOk*, gList & *zL*) [protected]**

Definition at line 110 of file gconfig.cpp.

**Referenced by Fetch(), and gFileFetch().int gFileFetch::thisReadFileThrough (gList & *zL*, t\_uint32 & *nBytes*) [protected]**

Definition at line 164 of file gconfig.cpp.

**Referenced by thisReadFile().int gFileFetch::thisReadStringAsFile (gString & *sInput*, gList & *zL*) [protected]**

Definition at line 195 of file gconfig.cpp.

Referenced by gFileFetch().

---

## Member Data Documentation

### **gList gFileFetch::aL**

Definition at line 18 of file gconfig.h.

**Referenced by gUnweb::Dump(), Fetch(), gFileFetch(), gUnweb::Str(), and Str().bool gFileFetch::doEndNewLine**

Definition at line 19 of file gconfig.h.

**Referenced by thisReadAll(), and thisReadStringAsFile().bool gFileFetch::doResize [protected]**

Definition at line 46 of file gconfig.h.

**Referenced by AdjustBuffer(), BufferAutoAdjust(), and thisReadFile().bool gFileFetch::doShowProgress [protected]**

Definition at line 48 of file gconfig.h.

**Referenced by gFileFetch(), SetFileReport(), and thisReadFileThrough().FILE\* gFileFetch::fVRepErr [protected]**

Definition at line 49 of file gconfig.h.

**Referenced by SetDeviceReport(), SetFileReport(), gUnweb::SetVerboseStream(), thisReadFileThrough(), and gUnweb::VerboseStream().bool gFileFetch::isFetchBufferOk [protected]**

Definition at line 45 of file gconfig.h.

**Referenced by IsBufferOk(), and thisReadFile().int gFileFetch::maxNLines [protected]**

Definition at line 44 of file gconfig.h.

Referenced by thisReadAll().

---

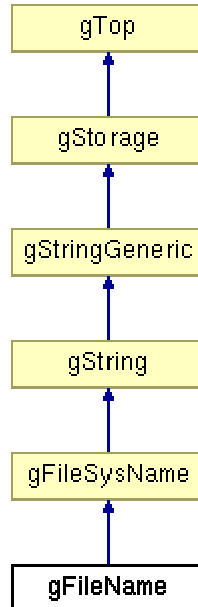
The documentation for this class was generated from the following files:

- **gconfig.h**
- **gconfig.cpp**

## gFileName Class Reference

`gFileName` `#include <gdir.h>`

Inheritance diagram for `gFileName`:



### Public Member Functions

- `gFileName ()`
- `gFileName (char *s)`
- `gFileName (gString &s)`
- `gFileName (gString &s, gFileStat &aStat)`
- `virtual ~gFileName ()`

---

### Constructor & Destructor Documentation

**`gFileName::gFileName ()`**

Definition at line 66 of file `gdir.cpp`.  
**`gFileName::gFileName (char * s)`**

Definition at line 71 of file `gdir.cpp`.  
**`gFileName::gFileName (gString & s)`**

Definition at line 76 of file `gdir.cpp`.  
**`gFileName::gFileName (gString & s, gFileStat & aStat)`**

Definition at line 81 of file `gdir.cpp`.  
**`gFileName::~~gFileName ()`** `[virtual]`

Definition at line 86 of file `gdir.cpp`.

---

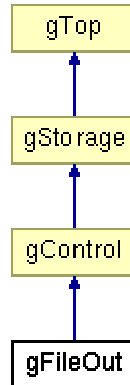
The documentation for this class was generated from the following files:

- **gdir.h**
- **gdir.cpp**

## gFileOut Class Reference

gFileOut gFileOut#include <gfile.h>

Inheritance diagram for gFileOut:



### Public Member Functions

- **gFileOut** (FILE \*aFile=nil, bool isModeDOS=false)
- virtual ~**gFileOut** ()
- virtual char \* **NewLine** ()
- virtual int **MinimumStorageSize** ()
- virtual int **MaximumStorageSize** ()
- void **SetModeDOS** (bool isDOS)
- virtual void **SetNL** (gString &aNL)

### Public Attributes

- FILE \* **f**

### Protected Attributes

- gString **sNL**

---

### Constructor & Destructor Documentation

**gFileOut::gFileOut** (FILE \* *aFile* = nil, bool *isModeDOS* = false)

Definition at line 45 of file gfile.cpp.**gFileOut::~~gFileOut** () [virtual]

Definition at line 51 of file gfile.cpp.

---

### Member Function Documentation

**virtual int gFileOut::MaximumStorageSize** () [inline, virtual]

Reimplemented from **gControl** (p.29).

Definition at line 80 of file gfile.h.**virtual int gFileOut::MinimumStorageSize** () [inline, virtual]

Reimplemented from **gControl** (p.29).

**Definition at line 77 of file gfile.h.**  
**virtual char\* gFileOut::NewLine () [inline, virtual]**

**Definition at line 73 of file gfile.h.**  
**void gFileOut::SetModeDOS (bool *isDOS*)**

Definition at line 57 of file gfile.cpp.

**Referenced by gFileOut().**  
**virtual void gFileOut::SetNL (gString & *aNL*) [inline, virtual]**

Definition at line 86 of file gfile.h.

---

## Member Data Documentation

**FILE\* gFileOut::f**

Definition at line 70 of file gfile.h.

**Referenced by ~gFileOut().**  
**gString gFileOut::sNL [protected]**

Definition at line 91 of file gfile.h.

Referenced by NewLine(), SetModeDOS(), and SetNL().

---

The documentation for this class was generated from the following files:

- **gfile.h**
- **gfile.cpp**

## gFileStat Class Reference

gFileStatgFileStat#include <gfilestat.h>

### Public Member Functions

- **gFileStat** (char \*fName=NULL)
- **gFileStat** (gString &sName)
- **gFileStat** (int fd)
- virtual ~**gFileStat** ()
- virtual bool **IsOk** ()
- virtual bool **HasStat** ()
- int **Error** ()
- bool **IsDirectory** ()
- bool **IsLink** ()
- bool **Update** (int fd=-1)
- bool **Update** (char \*fName)
- **gFileStat & CopyStat** (gFileStat &copy)

### Public Attributes

- int **lastOpError**
- int **lastOpErrorL**
- gString **name**
- sFileStat **status**
- sFileStat **statusL**

### Protected Member Functions

- int **thisStatName** (char \*fName, int fd, sFileStat &st, sFileStat &stL)
- int **thisFileStat** (int fd, sFileStat &st, sFileStat &stL)

---

### Constructor & Destructor Documentation

**gFileStat::gFileStat** (char \* *fName* = NULL)

Definition at line 48 of file gfilestat.cpp.**gFileStat::gFileStat** (gString & *sName*)

Definition at line 60 of file gfilestat.cpp.**gFileStat::gFileStat** (int *fd*)

**gFileStat::~~gFileStat** () [virtual]

Definition at line 72 of file gfilestat.cpp.

---

### Member Function Documentation

**gFileStat & gFileStat::CopyStat** (gFileStat & *copy*)

Definition at line 93 of file gfilestat.cpp.

**Referenced by gFileSysName::gFileSysName().int gFileStat::Error** () [inline]

Definition at line 91 of file gfilestat.h.

**Referenced by** `isOk().virtual bool gFileStat::HasStat () [inline, virtual]`

Definition at line 87 of file gfilestat.h.

**Referenced by** `isOk(), and gDir::thisScanDir().bool gFileStat::IsDirectory () [inline]`

**Definition at line 95 of file gfilestat.h.**`bool gFileStat::IsLink () [inline]`

**Definition at line 98 of file gfilestat.h.**`virtual bool gFileStat::isOk () [inline, virtual]`

**Definition at line 83 of file gfilestat.h.**`int gFileStat::thisFileStat (int fd, sFileStat & st, sFileStat & stL) [protected]`

Definition at line 177 of file gfilestat.cpp.

**Referenced by** `thisStatName(), and Update().int gFileStat::thisStatName (char * fName, int fd, sFileStat & st, sFileStat & stL) [protected]`

Definition at line 105 of file gfilestat.cpp.

**Referenced by** `gFileStat(), and Update().bool gFileStat::Update (char * fName)`

**Definition at line 86 of file gfilestat.cpp.**`bool gFileStat::Update (int fd = -1)`

Definition at line 76 of file gfilestat.cpp.

Referenced by `gDir::thisScanDir()`.

---

## Member Data Documentation

**int gFileStat::lastOpError**

Definition at line 78 of file gfilestat.h.

**Referenced by** `CopyStat(), Error(), thisFileStat(), and thisStatName().int gFileStat::lastOpErrorL`

Definition at line 78 of file gfilestat.h.

**Referenced by** `CopyStat(), Error(), thisFileStat(), and thisStatName().gString gFileStat::name`

Definition at line 79 of file gfilestat.h.

**Referenced by CopyStat(), gFileStat(), and Update().sFileStat gFileStat::status**

Definition at line 80 of file gfilestat.h.

**Referenced by CopyStat(), gFileStat(), and Update().sFileStat gFileStat::statusL**

Definition at line 80 of file gfilestat.h.

Referenced by CopyStat(), gFileStat(), IsDirectory(), IsLink(), gDir::thisScanDir(), and Update().

---

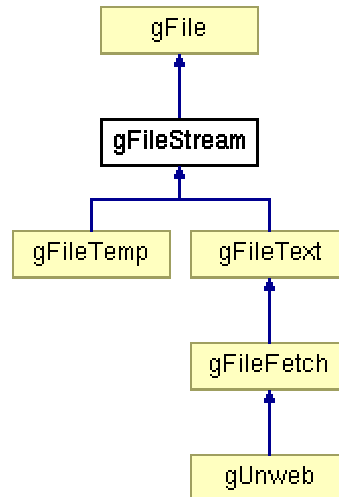
The documentation for this class was generated from the following files:

- **gfilestat.h**
- **gfilestat.cpp**

## gFileStream Class Reference

`gFileStream` `#include <gfile.h>`

Inheritance diagram for `gFileStream`:



### Public Member Functions

- `gFileStream` (`char *fName`, `bool doOpenToRead=true`)
- `gFileStream` (`gFile::eFileKind aFKind`, `char *fName`, `bool doOpenToRead=true`, `bool isTmpFile=false`)
- `virtual ~gFileStream ()`
- `virtual bool IsBufferOk ()`
- `virtual t_uint16 BufferSize ()`
- `virtual t_uint32 SeekPos ()`
- `virtual t_uint32 Size ()`
- `virtual char * Buffer ()`
- `virtual t_uchar * UBuffer ()`
- `virtual bool Overwrite (char *fName)`
- `virtual bool ReadBuffer (void *buf, t_uint16 bufSize, t_uint16 &nBytes)`
- `virtual bool Read (void *buf, t_uint16 bufSize, t_uint16 &nBytes)`
- `virtual bool Rewind ()`

### Protected Member Functions

- `int thisAllocateBuffer (t_uint16 aBufferSize)`

### Protected Attributes

- `bool isOpOk`
- `bool isFileChanged`
- `bool isBufferOk`
- `off_t seekPos`
- `off_t seekEnd`
- `t_uint16 bufferSize`
- `t_uchar * buffer`

---

### Constructor & Destructor Documentation

`gFileStream::gFileStream (char * fName, bool doOpenToRead = true)`

**Definition at line 693 of file gfile.cpp.gFileStream::gFileStream (gFile::eFileKind *aFKind*, char \* *fName*, bool *doOpenToRead* = true, bool *isTmpFile* = false)**

**Definition at line 709 of file gfile.cpp.gFileStream::~gFileStream () [virtual]**

Definition at line 725 of file gfile.cpp.

---

## Member Function Documentation

**char \* gFileStream::Buffer () [virtual]**

Definition at line 731 of file gfile.cpp.

**Referenced by gFileFetch::thisReadAll().virtual t\_uint16 gFileStream::BufferSize () [inline, virtual]**

**Definition at line 281 of file gfile.h.virtual bool gFileStream::IsBufferOk () [inline, virtual]**

Reimplemented in **gFileFetch** (p.82), and **gUnweb** (p.330).

**Definition at line 278 of file gfile.h.bool gFileStream::Overwrite (char \* *fName*) [virtual]**

Reimplemented from **gFile** (p.73).

Definition at line 743 of file gfile.cpp.

**Referenced by gFileTemp::thisOverwrite().bool gFileStream::Read (void \* *buf*, t\_uint16 *bufSize*, t\_uint16 & *nBytes*) [virtual]**

Reimplemented from **gFile** (p.73).

**Definition at line 761 of file gfile.cpp.bool gFileStream::ReadBuffer (void \* *buf*, t\_uint16 *bufSize*, t\_uint16 & *nBytes*) [virtual]**

Reimplemented from **gFile** (p.73).

**Definition at line 753 of file gfile.cpp.bool gFileStream::Rewind () [virtual]**

Reimplemented in **gFileTemp** (p.99).

Definition at line 769 of file gfile.cpp.

**Referenced by gFileFetch::thisReadFile().virtual t\_uint32 gFileStream::SeekPos () [inline, virtual]**

**Definition at line 284 of file gfile.h.virtual t\_uint32 gFileStream::Size () [inline, virtual]**

Definition at line 287 of file gfile.h.

**Referenced by `gFileFetch::thisReadFile()`, and `gFileFetch::thisReadFileThrough().int gFileStream::thisAllocateBuffer (t_uint16 aBufferSize) [protected]`**

Definition at line 780 of file `gfile.cpp`.

**Referenced by `gFileStream().t_uchar * gFileStream::UBuffer () [virtual]`**

Definition at line 737 of file `gfile.cpp`.

Referenced by `gConfig::thisRead()`.

---

## Member Data Documentation

**`t_uchar* gFileStream::buffer [protected]`**

Definition at line 306 of file `gfile.h`.

**Referenced by `Buffer()`, `gFileText::ReadLine()`, `thisAllocateBuffer()`, `UBuffer()`, and `~gFileStream().t_uint16 gFileStream::bufferSize [protected]`**

Definition at line 305 of file `gfile.h`.

**Referenced by `BufferSize()`, `gFileStream()`, and `gFileText::ReadLine().bool gFileStream::isBufferOk [protected]`**

Definition at line 303 of file `gfile.h`.

**Referenced by `IsBufferOk()`, `Overwrite()`, `gFileText::ReadLine()`, and `gFileFetch::thisReadAll().bool gFileStream::isFileChanged [protected]`**

Reimplemented in `gFileText (p.101)`.

Definition at line 302 of file `gfile.h`.

**Referenced by `Overwrite().bool gFileStream::isOpOk [protected]`**

Reimplemented in `gFileText (p.101)`.

Definition at line 302 of file `gfile.h`.

**Referenced by `gFileStream()`, `Overwrite()`, `Read()`, and `ReadBuffer().off_t gFileStream::seekEnd [protected]`**

Reimplemented in `gFileText (p.101)`.

Definition at line 304 of file `gfile.h`.

**Referenced by `Overwrite()`, and `Size().off_t gFileStream::seekPos [protected]`**

Reimplemented in `gFileText (p.101)`.

Definition at line 304 of file `gfile.h`.

Referenced by `Overwrite()`, `Read()`, `ReadBuffer()`, `Rewind()`, and `SeekPos()`.

---

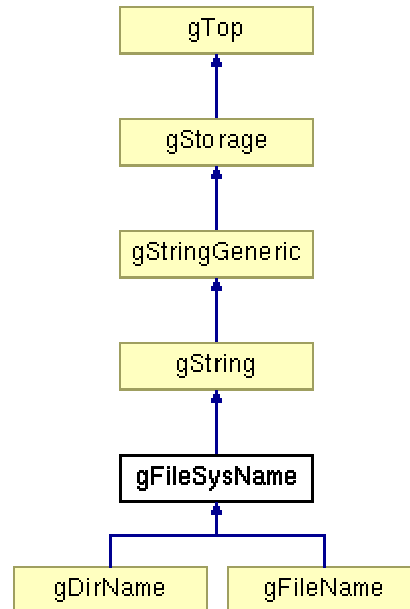
The documentation for this class was generated from the following files:

- **`gfile.h`**
- **`gfile.cpp`**

## gFileSysName Class Reference

gFileSysName gFileSysName #include <gdir.h>

Inheritance diagram for gFileSysName:



### Public Member Functions

- virtual ~gFileSysName ()
- virtual bool **IsOk** ()
- virtual bool **IsStrOk** ()
- virtual bool **IsDirectory** ()
- virtual char \* **Str** ()
- virtual char \* **Name** ()
- virtual bool **HasStat** ()
- virtual gFileStat & **GetStat** ()
- virtual gFileStat \* **GetStatPtr** ()

### Public Attributes

- eFileSystemName **fsysName**

### Protected Member Functions

- gFileSysName (char \*s, eFileSystemName aFSysName, bool isADirectory)
- gFileSysName (char \*s, eFileSystemName aFSysName, gFileStat &aStat)

### Protected Attributes

- bool **isDirectory**
- gFileStat \* **myStat**

---

### Constructor & Destructor Documentation

**gFileSysName::~gFileSysName ()** [virtual]

**Definition at line 35 of file gdir.cpp.gFileSysName::gFileSysName (char \* s, eFileSystemName aFSysName, bool isADirectory) [protected]**

**Definition at line 13 of file gdir.cpp.gFileSysName::gFileSysName (char \* s, eFileSystemName aFSysName, gFileStat & aStat) [protected]**

Definition at line 23 of file gdir.cpp.

---

## Member Function Documentation

**gFileStat & gFileSysName::GetStat () [virtual]**

**Definition at line 60 of file gdir.cpp.virtual gFileStat\* gFileSysName::GetStatPtr () [inline, virtual]**

Definition at line 35 of file gdir.h.

**Referenced by gDir::GetFullNameDir(), and gDir::GetStat().virtual bool gFileSysName::HasStat () [inline, virtual]**

**Definition at line 31 of file gdir.h.virtual bool gFileSysName::IsDirectory () [inline, virtual]**

**Definition at line 24 of file gdir.h.virtual bool gFileSysName::IsOk () [inline, virtual]**

Reimplemented from **gStorage** (*p.275*).

Definition at line 20 of file gdir.h.

**Referenced by IsStrOk().bool gFileSysName::IsStrOk () [virtual]**

**Definition at line 41 of file gdir.cpp.virtual char\* gFileSysName::Name () [inline, virtual]**

Reimplemented in **gDirName** (*p.57*).

**Definition at line 28 of file gdir.h.char \* gFileSysName::Str () [virtual]**

Reimplemented from **gStringGeneric** (*p.296*).Reimplemented in **gDirName** (*p.57*).

Definition at line 54 of file gdir.cpp.

Referenced by **gDir::GetFullNameDir()**, and **Name()**.

---

## Member Data Documentation

**eFileSystemName gFileSysName::fsysName**

Definition at line 40 of file gdir.h.

**Referenced by IsOk().bool gFileSysName::isDirectory [protected]**

Definition at line 51 of file gdir.h.

**Referenced by IsDirectory(), and IsStrOk().gFileStat\* gFileSysName::myStat [protected]**

Definition at line 52 of file gdir.h.

Referenced by GetStat(), GetStatPtr(), gFileSysName(), HasStat(), and ~gFileSysName().

---

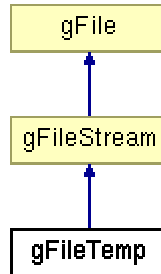
The documentation for this class was generated from the following files:

- **gdir.h**
- **gdir.cpp**

## gFileTemp Class Reference

gFileTempgFileTemp#include <gfile.h>

Inheritance diagram for gFileTemp:



### Public Types

- enum **eTempMethod** { **e\_NameStd**, **e\_NamePre** }

### Public Member Functions

- gFileTemp** (char \*strTemplate, **gFile::eFileKind** aFKind=gFile::e\_Binary)
- gFileTemp** (**gFile::eFileKind** aFKind)
- virtual ~**gFileTemp** ()
- virtual bool **IsOpened** ()
- virtual bool **Rewind** ()

### Public Attributes

- int **fHandle**
- gString** sTempName

### Protected Member Functions

- int **thisOverwrite** (char \*fName)

### Protected Attributes

- eTempMethod** tempMethod
- bool isHandledFStream

## Member Enumeration Documentation

### enum gFileTemp::eTempMethod

Enumeration values:

*e\_NameStd*  
*e\_NamePre*

Definition at line 341 of file gfile.h.

## Constructor & Destructor Documentation

**gFileTemp::gFileTemp** (char \* *strTemplate*, **gFile::eFileKind** *aFKind* = **gFile::e\_Binary**)

**Definition at line 875 of file gfile.cpp.gFileTemp::gFileTemp (gFile::eFileKind *aFKind*)**

**Definition at line 919 of file gfile.cpp.gFileTemp::~gFileTemp () [virtual]**

Definition at line 933 of file gfile.cpp.

---

## Member Function Documentation

**bool gFileTemp::IsOpened () [virtual]**

Reimplemented from **gFile** (*p.73*).

Definition at line 955 of file gfile.cpp.

**Referenced by Rewind(), and ~gFileTemp().bool gFileTemp::Rewind () [virtual]**

Reimplemented from **gFileStream** (*p.93*).

Definition at line 967 of file gfile.cpp.

**Referenced by gdHttpSnarf::FileInOut().int gFileTemp::thisOverwrite (char \* *fName*) [protected]**

Definition at line 1010 of file gfile.cpp.

Referenced by gFileTemp().

---

## Member Data Documentation

**int gFileTemp::fHandle**

Definition at line 351 of file gfile.h.

**Referenced by gdHttpSnarf::FileInOut(), gFileTemp(), IsOpened(), Rewind(), and thisOverwrite().bool gFileTemp::isHandledFStream [protected]**

Definition at line 362 of file gfile.h.

**Referenced by gFileTemp(), Rewind(), and ~gFileTemp().gString gFileTemp::sTempName**

Definition at line 352 of file gfile.h.

**Referenced by gFileTemp(), Rewind(), thisOverwrite(), and ~gFileTemp().eTempMethod gFileTemp::tempMethod [protected]**

Definition at line 361 of file gfile.h.

Referenced by IsOpened(), Rewind(), thisOverwrite(), and ~gFileTemp().

---

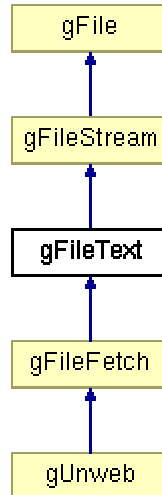
The documentation for this class was generated from the following files:

- **gfile.h**
- **gfile.cpp**

## gFileText Class Reference

gFileTextgFileText#include <gfile.h>

Inheritance diagram for gFileText:



### Public Member Functions

- **gFileText** (char \*fName, bool doOpenToRead=true)
- virtual ~**gFileText** ()
- bool **ReadLine** ()
- bool **ReadLine** (bool &isOk)
- bool **ReadLine** (bool &isOk, bool &hasNewLine)

### Protected Attributes

- bool **isOpOk**
- bool **isFileChanged**
- off\_t **seekPos**
- off\_t **seekEnd**

---

### Constructor & Destructor Documentation

**gFileText::gFileText** (char \* *fName*, bool *doOpenToRead* = true)

Definition at line 807 of file gfile.cpp.gFileText::~gFileText () [virtual]

Definition at line 812 of file gfile.cpp.

---

### Member Function Documentation

**bool gFileText::ReadLine** (bool & *isOk*, bool & *hasNewLine*)

Definition at line 829 of file gfile.cpp.bool gFileText::ReadLine (bool & *isOk*)

**Definition at line 823 of file gfile.cpp.bool gFileText::ReadLine ()**

Definition at line 816 of file gfile.cpp.

Referenced by ReadLine(), gConfig::thisRead(), and gFileFetch::thisReadAll().

---

**Member Data Documentation**

**bool gFileText::isFileChanged [protected]**

Reimplemented from gFileStream (p.94).

**Definition at line 329 of file gfile.h.bool gFileText::isOpOk [protected]**

Reimplemented from gFileStream (p.94).

**Definition at line 329 of file gfile.h.off\_t gFileText::seekEnd [protected]**

Reimplemented from gFileStream (p.94).

**Definition at line 330 of file gfile.h.off\_t gFileText::seekPos [protected]**

Reimplemented from gFileStream (p.94).

Definition at line 330 of file gfile.h.

Referenced by ReadLine().

---

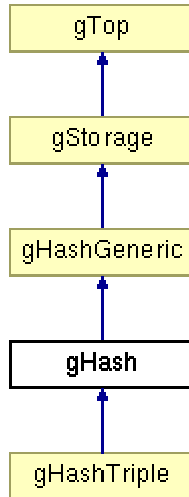
The documentation for this class was generated from the following files:

- **gfile.h**
- **gfile.cpp**

## gHash Class Reference

gHashgHash#include <ghash.h>

Inheritance diagram for gHash:



### Public Member Functions

- **gHash** (unsigned hashSize=LST\_HASH\_SIZE)
- virtual **~gHash** ()
- virtual bool **FindKey** (gKey &hKey)
- unsigned **Add** (int v)
- unsigned **Add** (gInt &v)
- unsigned **Add** (gInt &v, gString &s)
- unsigned **Add** (gKey &hKey, gString &s)
- virtual **t\_uchar \* ToString** (t\_uchar \*uBuf)
- virtual bool **SaveGuts** (FILE \*f)
- virtual bool **RestoreGuts** (FILE \*f)
- virtual void **Show** (bool doShowAll=true)
- bool **AddTriplePos\_dbg** (unsigned idx, gKey &hKey, char \*str)

### Public Attributes

- bool **doFindBeforeInsert**

### Protected Member Functions

- int **thisAddElem** (unsigned idx, gHashElemGeneric \*pElem)
- int **thisFindKey** (gKey &hKey, int &x)
- int **thisKeyMatch** (gKey &hKey, gStorage \*hashElem)

---

### Constructor & Destructor Documentation

**gHash::gHash** (unsigned *hashSize* = LST\_HASH\_SIZE)

Definition at line 396 of file ghash.cpp.**gHash::~~gHash** () [virtual]

Definition at line 402 of file ghash.cpp.

---

## Member Function Documentation

**unsigned gHash::Add (gKey & hKey, gString & s)**

Definition at line 431 of file ghash.cpp.**unsigned gHash::Add (glnt & v, gString & s)**

Definition at line 425 of file ghash.cpp.**unsigned gHash::Add (glnt & v)**

Definition at line 419 of file ghash.cpp.**unsigned gHash::Add (int v)**

Definition at line 413 of file ghash.cpp.

**Referenced by Add().bool gHash::AddTriplePos\_dbg (unsigned idx, gKey & hKey, char \* str)**

**bool gHash::FindKey (gKey & hKey) [virtual]**

Implements **gHashGeneric** (p.110).Reimplemented in **gHashTriple** (p.113).

Definition at line 406 of file ghash.cpp.

**Referenced by Add(), and gHashTriple::FindKey().bool gHash::RestoreGuts (FILE \* f) [virtual]**

Reimplemented from **gHashGeneric** (p.110).

**Definition at line 452 of file ghash.cpp.bool gHash::SaveGuts (FILE \* f) [virtual]**

Reimplemented from **gHashGeneric** (p.110).

**Definition at line 447 of file ghash.cpp.void gHash::Show (bool doShowAll = true) [virtual]**

Reimplemented from **gStorage** (p.276).

**Definition at line 457 of file ghash.cpp.int gHash::thisAddElem (unsigned idx, gHashElemGeneric \* pElem) [protected]**

Definition at line 481 of file ghash.cpp.

**Referenced by Add(), and gHashTriple::AddTriple().int gHash::thisFindKey (gKey & hKey, int & x) [protected]**

Definition at line 490 of file ghash.cpp.

**Referenced by FindKey().int gHash::thisKeyMatch (gKey & hKey, gStorage \* hashElem) [protected]**

Definition at line 504 of file ghash.cpp.

**Referenced by gHashTriple::Find(), and thisFindKey().t\_uchar \* gHash::ToString(t\_uchar \* uBuf) [virtual]**

Reimplemented from **gHashGeneric** (*p.111*).

Definition at line 442 of file ghash.cpp.

---

## Member Data Documentation

**bool gHash::doFindBeforeInsert**

Definition at line 166 of file ghash.h.

Referenced by Add(), and gHashTriple::AddTriple().

---

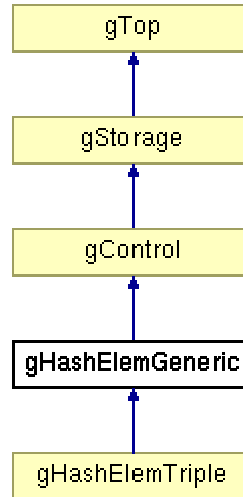
The documentation for this class was generated from the following files:

- **ghash.h**
- **ghash.cpp**

## gHashElemGeneric Class Reference

gHashElemGenericgHashElemGeneric#include <ghash.h>

Inheritance diagram for gHashElemGeneric:



### Public Member Functions

- virtual ~gHashElemGeneric ()

### Public Attributes

- gKey hKey
- gStorage \* myObj

### Protected Member Functions

- gHashElemGeneric (gStorage \*aObj)

---

### Constructor & Destructor Documentation

**gHashElemGeneric::~gHashElemGeneric ()** [virtual]

**Definition at line 276 of file ghash.cpp.**  
**gHashElemGeneric::gHashElemGeneric (gStorage \* aObj)** [protected]

Definition at line 271 of file ghash.cpp.

---

### Member Data Documentation

**gKey gHashElemGeneric::hKey**

Definition at line 84 of file ghash.h.

**Referenced by** gHashElemTriple::gHashElemTriple(), gKey::MatchStorage(), and gHashElemTriple::Show().gStorage\* gHashElemGeneric::myObj

Definition at line 85 of file ghash.h.

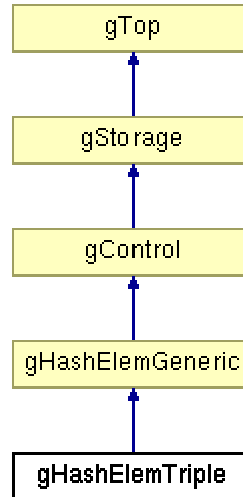
The documentation for this class was generated from the following files:

- **ghash.h**
- **ghash.cpp**

## gHashElemTriple Class Reference

gHashElemTriple gHashElemTriple#include <ghash.h>

Inheritance diagram for gHashElemTriple:



### Public Member Functions

- **gHashElemTriple** (gKey &aKey, gString &s, gStorage \*aObj)
- **gHashElemTriple** (gKey &aKey, int aVal, gStorage \*aObj)
- virtual **~gHashElemTriple** ()
- virtual void **Show** (bool doShowAll=true)

### Public Attributes

- gString sDesc
- int iVal

### Constructor & Destructor Documentation

**gHashElemTriple::gHashElemTriple** (gKey & aKey, gString & s, gStorage \* aObj)

Definition at line 281 of file ghash.cpp.**gHashElemTriple::gHashElemTriple** (gKey & aKey, int aVal, gStorage \* aObj)

Definition at line 289 of file ghash.cpp.**gHashElemTriple::~gHashElemTriple** ()  
[virtual]

Definition at line 296 of file ghash.cpp.

### Member Function Documentation

**void gHashElemTriple::Show** (bool *doShowAll* = true) [virtual]

Reimplemented from **gStorage** (p.276).

Definition at line 300 of file ghash.cpp.

## Member Data Documentation

### **int gHashElemTriple::iVal**

Definition at line 104 of file ghash.h.

### **Referenced by gHtmlParser::thisFindTag().gString gHashElemTriple::sDesc**

Definition at line 103 of file ghash.h.

Referenced by Show().

---

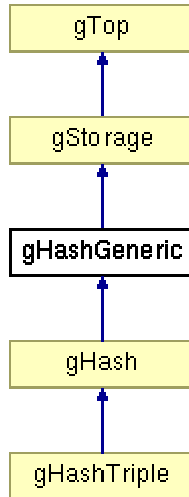
The documentation for this class was generated from the following files:

- **ghash.h**
- **ghash.cpp**

## gHashGeneric Class Reference

gHashGenericgHashGeneric#include <ghash.h>

Inheritance diagram for gHashGeneric:



### Public Member Functions

- virtual **~gHashGeneric** ()
- virtual unsigned **N** ()
- virtual bool **IsEmpty** ()
- virtual bool **IsValidIndex** (unsigned idx)
- **gList** \* **GetHash** (unsigned idx)
- virtual bool **FindKey** (**gKey** &hKey)=0
- virtual unsigned **Delete** ()
- virtual **gStorage** \* **NewObject** ()
- virtual **t\_uchar** \* **ToString** (**t\_uchar** \*uBuf)
- virtual bool **SaveGuts** (FILE \*f)
- virtual bool **RestoreGuts** (FILE \*f)

### Protected Member Functions

- **gHashGeneric** (**eStorage** aKind, unsigned hashSize)
- void **thisPreAllocate** (unsigned toSize)
- unsigned **thisDelete** ()
- unsigned **thisInsertElement** ()

### Protected Attributes

- unsigned **size**
- **gList** \* **pLst**

---

### Constructor & Destructor Documentation

**gHashGeneric::~gHashGeneric** () [virtual]

Definition at line 327 of file ghash.cpp.**gHashGeneric::gHashGeneric** (**eStorage** *aKind*, unsigned *hashSize*) [protected]

Definition at line 318 of file ghash.cpp.

---

## Member Function Documentation

**unsigned gHashGeneric::Delete ()** [virtual]

**Definition at line 344 of file ghash.cpp.virtual bool gHashGeneric::FindKey (gKey & hKey)** [pure virtual]

**Implemented in gHash (p.103), and gHashTriple (p.113).gList \* gHashGeneric::GetHash (unsigned idx)**

Definition at line 337 of file ghash.cpp.

**Referenced by gHashTriple::Find(), gHashTriple::GetTriple(), gHash::Show(), gHash::thisAddElem(), and gHash::thisFindKey().virtual bool gHashGeneric::IsEmpty ()** [inline, virtual]

**Definition at line 123 of file ghash.h.bool gHashGeneric::IsValidIndex (unsigned idx)** [virtual]

Definition at line 332 of file ghash.cpp.

**Referenced by GetHash().virtual unsigned gHashGeneric::N ()** [inline, virtual]

**Definition at line 120 of file ghash.h.gStorage \* gHashGeneric::NewObject ()** [virtual]

Implements gStorage (p.276).

**Definition at line 351 of file ghash.cpp.bool gHashGeneric::RestoreGuts (FILE \* f)** [virtual]

Implements gStorage (p.276).Reimplemented in gHash (p.103).

Definition at line 375 of file ghash.cpp.

**Referenced by gHash::RestoreGuts().bool gHashGeneric::SaveGuts (FILE \* f)** [virtual]

Implements gStorage (p.276).Reimplemented in gHash (p.103).

Definition at line 370 of file ghash.cpp.

**Referenced by gHash::SaveGuts().unsigned gHashGeneric::thisDelete ()** [protected]

Definition at line 388 of file ghash.cpp.

**Referenced by Delete(), and ~gHashGeneric().unsigned gHashGeneric::thisInsertElement ()** [inline, protected]

Definition at line 147 of file ghash.h.

**Referenced by gHash::thisAddElem().void gHashGeneric::thisPreAllocate (unsigned toSize) [protected]**

Definition at line 380 of file ghash.cpp.

**Referenced by Delete(), and gHashGeneric().t\_uchar \* gHashGeneric::ToString (t\_uchar \* uBuf) [virtual]**

Implements **gStorage** (p.277).Reimplemented in **gHash** (p.104).

Definition at line 357 of file ghash.cpp.

Referenced by gHash::ToString().

---

## Member Data Documentation

**gList\* gHashGeneric::pLst [protected]**

Definition at line 143 of file ghash.h.

**Referenced by GetHash(), thisDelete(), and thisPreAllocate().unsigned gHashGeneric::size [protected]**

Definition at line 142 of file ghash.h.

Referenced by gHash::Add(), gHashTriple::AddTriple(), Delete(), gHashTriple::Find(), IsValidIndex(), N(), gHash::Show(), thisDelete(), gHash::thisFindKey(), and thisPreAllocate().

---

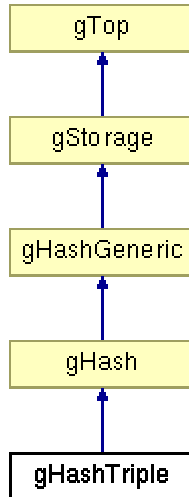
The documentation for this class was generated from the following files:

- **ghash.h**
- **ghash.cpp**

## gHashTriple Class Reference

gHashTriple#include <ghash.h>

Inheritance diagram for gHashTriple:



### Public Member Functions

- **gHashTriple** (unsigned hashSize=LST\_HASH\_SIZE)
- virtual **~gHashTriple** ()
- virtual bool **FindKey** (gKey &hKey)
- **gHashElemTriple** \* **Find** (gKey &hKey)
- **gHashElemTriple** \* **Find** (gKey &hKey, unsigned &idx)
- **gHashElemTriple** \* **Find** (gKey &hKey, unsigned &idx, int &x)
- virtual **gHashElemTriple** \* **GetTriple** (unsigned idx, int x)
- bool **AddTriple** (gKey &hKey, char \*str, gStorage \*aObj=nil)
- bool **AddTriple** (gKey &hKey, gString &s, gStorage \*aObj=nil)
- bool **AddTriple** (gKey &hKey, int iVal, gStorage \*aObj=nil)

---

### Constructor & Destructor Documentation

**gHashTriple::gHashTriple** (unsigned *hashSize* = LST\_HASH\_SIZE)

Definition at line 520 of file ghash.cpp.**gHashTriple::~gHashTriple** () [virtual]

Definition at line 525 of file ghash.cpp.

---

### Member Function Documentation

**bool gHashTriple::AddTriple** (gKey & *hKey*, int *iVal*, gStorage \* *aObj* = nil)

Definition at line 577 of file ghash.cpp.**bool gHashTriple::AddTriple** (gKey & *hKey*, gString & *s*, gStorage \* *aObj* = nil)

**Definition at line 566 of file ghash.cpp.****bool gHashTriple::AddTriple (gKey & hKey, char \* str, gStorage \* aObj = nil)**

**Definition at line 560 of file ghash.cpp.****gHashElemTriple \* gHashTriple::Find (gKey & hKey, unsigned & idx, int & x)**

**Definition at line 545 of file ghash.cpp.****gHashElemTriple\* gHashTriple::Find (gKey & hKey, unsigned & idx) [inline]**

**Definition at line 214 of file ghash.h.****gHashElemTriple\* gHashTriple::Find (gKey & hKey) [inline]**

Definition at line 209 of file ghash.h.

**Referenced by Find(), and gHtmlParser::thisFindTag().****bool gHashTriple::FindKey (gKey & hKey) [virtual]**

Reimplemented from **gHash** (*p.103*).

Definition at line 529 of file ghash.cpp.

**Referenced by AddTriple().****gHashElemTriple \* gHashTriple::GetTriple (unsigned idx, int x) [virtual]**

Definition at line 536 of file ghash.cpp.

---

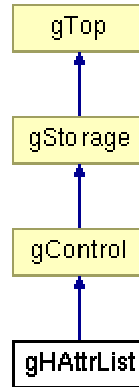
The documentation for this class was generated from the following files:

- **ghash.h**
- **ghash.cpp**

## gHAttrList Class Reference

gHAttrList gHAttrList#include <gHtmlAttr.h>

Inheritance diagram for gHAttrList:



### Public Member Functions

- **gHAttrList** ()
- virtual **~gHAttrList** ()
- virtual bool **IsEmpty** ()
- virtual unsigned **N** ()
- virtual short **NAttr** ()
- virtual char \* **Str** ()
- virtual **gParam** \* **GetAttrParam** (short iAttr)
- virtual char \* **GetAttr** (short iAttr)
- virtual char \* **GetAttrValue** (short iAttr)
- virtual char \* **GetAttrLValue** (short iAttr)
- virtual char \* **GetAttrRValue** (short iAttr)
- virtual int **ValidateValue** (char \*s)
- virtual void **Reset** ()
- virtual void **Set** (char \*s)
- virtual void **CopyAttr** (gHAttrList &copy)
- char \* **Find** (char \*strAttr, bool doUnquote=true)
- char \* **Find** (char \*strAttr, bool doUnquote, **gList** &otherL)

### Protected Member Functions

- int **thisValidateValue** (gString &s)

### Protected Attributes

- short **nAttr**
- **gParam** \* **originalLst**
- **gParam** \*\* **pAttrAssign**
- gString **sAttr**
- gString **sOAttr**
- gString **sThisVal**

---

## Constructor & Destructor Documentation

**gHAttrList::gHAttrList** ()

**Definition at line 4 of file gHtmlAttr.cpp.gHAttrList::~gHAttrList () [virtual]**

Definition at line 11 of file gHtmlAttr.cpp.

---

## Member Function Documentation

**void gHAttrList::CopyAttr (gHAttrList & copy) [virtual]**

Definition at line 154 of file gHtmlAttr.cpp.

**Referenced by gHtmlCouple::CopyTag().char \* gHAttrList::Find (char \* *strAttr*, bool *doUnquote*, gList & *otherL*)**

**Definition at line 161 of file gHtmlAttr.cpp.char\* gHAttrList::Find (char \* *strAttr*, bool *doUnquote* = true) [inline]**

Definition at line 39 of file gHtmlAttr.h.

**Referenced by gHtmlCouple::GetHRef(), and gHtmlParser::thisParse().char \* gHAttrList::GetAttr (short *iAttr*) [virtual]**

Definition at line 48 of file gHtmlAttr.cpp.

**Referenced by gdTxtCouple::Show().char \* gHAttrList::GetAttrLValue (short *iAttr*) [virtual]**

Definition at line 88 of file gHtmlAttr.cpp.

**Referenced by gdHCouple::CopyNormalizeAttr().gParam \* gHAttrList::GetAttrParam (short *iAttr*) [virtual]**

Definition at line 40 of file gHtmlAttr.cpp.

**Referenced by GetAttrLValue(), and GetAttrRValue().char \* gHAttrList::GetAttrRValue (short *iAttr*) [virtual]**

Definition at line 94 of file gHtmlAttr.cpp.

**Referenced by gdHCouple::CopyNormalizeAttr().char \* gHAttrList::GetAttrValue (short *iAttr*) [virtual]**

Definition at line 62 of file gHtmlAttr.cpp.

**Referenced by gdTxtCouple::Show(), and gHtmlParser::thisParse().virtual bool gHAttrList::IsEmpty () [inline, virtual]**

Definition at line 12 of file gHtmlAttr.h.

**Referenced by gHList::AppendCouple(), and CopyAttr().unsigned gHAttrList::N () [virtual]**

Definition at line 34 of file gHtmlAttr.cpp.

**Referenced by gdSnarfCont::Add(), and gdTxtCouple::Show().virtual short gHAttrList::NAttr () [inline, virtual]**

Definition at line 18 of file gHtmlAttr.h.

**Referenced by gdHCouple::CopyNormalizeAttr().void gHAttrList::Reset () [virtual]**

Reimplemented from **gControl** (p.29).

Definition at line 108 of file gHtmlAttr.cpp.

**Referenced by Set(), and ~gHAttrList().void gHAttrList::Set (char \* s) [virtual]**

Definition at line 117 of file gHtmlAttr.cpp.

**Referenced by CopyAttr(), and gHtmlCouple::gHtmlCouple().char \* gHAttrList::Str () [virtual]**

Reimplemented from **gStorage** (p.276).

Definition at line 16 of file gHtmlAttr.cpp.

**Referenced by gHList::AppendCouple(), CopyAttr(), gHtmlCouple::GetStr(), gHtmlCouple::GetStrForTree(), and gHtmlParser::thisParse().int gHAttrList::thisValidateValue (gString & s) [protected]**

Definition at line 188 of file gHtmlAttr.cpp.

**Referenced by ValidateValue().int gHAttrList::ValidateValue (char \* s) [virtual]**

Definition at line 100 of file gHtmlAttr.cpp.

Referenced by Set().

---

## Member Data Documentation

**short gHAttrList::nAttr [protected]**

Definition at line 46 of file gHtmlAttr.h.

**Referenced by Find(), IsEmpty(), N(), NAttr(), Reset(), Set(), and Str().gParam\* gHAttrList::originalLst [protected]**

Definition at line 47 of file gHtmlAttr.h.

**Referenced by Reset(), and Set().gParam\*\* gHAttrList::pAttrAssign [protected]**

Definition at line 48 of file gHtmlAttr.h.

**Referenced by Find(), Reset(), Set(), and Str().gString gHAttrList::sAttr [protected]**

Definition at line 50 of file gHtmlAttr.h.

**Referenced by Str().gString gHAttrList::sOAttr [protected]**

Definition at line 50 of file gHtmlAttr.h.

**Referenced by GetAttrValue().gString gHAttrList::sThisVal [protected]**

Definition at line 51 of file gHtmlAttr.h.

Referenced by Find().

---

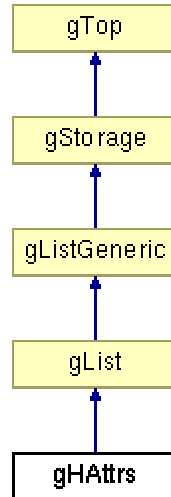
The documentation for this class was generated from the following files:

- **gHtmlAttr.h**
- **gHtmlAttr.cpp**

## gHAttrs Class Reference

gHAttrsgHAttrs#include <gHtmlHAttr.h>

Inheritance diagram for gHAttrs:



### Public Member Functions

- **gHAttrs ()**
- virtual **~gHAttrs ()**
- virtual bool **IsOk ()**
- virtual **gHAttrValue & GetAttrValue** (unsigned idx)
- virtual **gHAttrValue \* GetAttrValuePtr** (unsigned idx)
- virtual **gHAttrType & GetAttr** (unsigned idx)
- virtual **gHAttrType \* GetAttrPtr** (unsigned idx)
- **sHAttrType \* TypeName2HAttrType** (char \*strType)
- int **TypeEnumToSmartL** (sHAttrType \*pAttrType, gSmartList &lEnumResult)
- virtual void **Reset ()**
- virtual int **BuildFromLRLists** (char \*strTag, gList &lLVal, gList &lRVal, bool addOnError, unsigned iLine)
- virtual **gHAttrType \* NewType** (char \*strValue, sHAttrType \*hAttrType)
- virtual void **Show** (bool doShowAll=true)

---

### Constructor & Destructor Documentation

**gHAttrs::gHAttrs ()**

**Definition at line 27 of file gHtmlHAttr.cpp.gHAttrs::~gHAttrs ()** [virtual]

Definition at line 31 of file gHtmlHAttr.cpp.

---

### Member Function Documentation

**int gHAttrs::BuildFromLRLists** (char \* *strTag*, gList & *lLVal*, gList & *lRVal*, bool *addOnError*, unsigned *iLine*) [virtual]

Definition at line 130 of file gHtmlHAttr.cpp.

**Referenced by `gdHCouple::CopyNormalizeAttr().gHAType & gHAttrs::GetAttr (unsigned idx) [virtual]`**

Definition at line 63 of file `gHtmlHAttr.cpp`.

**Referenced by `gdHCouple::GetStr().gHAType * gHAttrs::GetAttrPtr (unsigned idx) [virtual]`**

Definition at line 70 of file `gHtmlHAttr.cpp`.

**Referenced by `GetAttr()`, `gdHCouple::GetHRef()`, and `Show().gHAttrValue & gHAttrs::GetAttrValue (unsigned idx) [virtual]`**

Definition at line 50 of file `gHtmlHAttr.cpp`.

**Referenced by `gdHCouple::GetStr().gHAttrValue * gHAttrs::GetAttrValuePtr (unsigned idx) [virtual]`**

Definition at line 57 of file `gHtmlHAttr.cpp`.

**Referenced by `GetAttrValue().bool gHAttrs::isOk () [virtual]`**

Reimplemented from `gStorage (p.275)`.

Definition at line 36 of file `gHtmlHAttr.cpp`.

**Referenced by `gdHCouple::isOk().gHAType * gHAttrs::NewType (char * strValue, sHAttrType * hAttrType) [virtual]`**

Definition at line 190 of file `gHtmlHAttr.cpp`.

**Referenced by `BuildFromLRLists().void gHAttrs::Reset () [virtual]`**

Reimplemented from `gListGeneric (p.244)`.

Definition at line 124 of file `gHtmlHAttr.cpp`.

**Referenced by `~gHAttrs().void gHAttrs::Show (bool doShowAll = true) [virtual]`**

Reimplemented from `gList (p.238)`.

Definition at line 301 of file `gHtmlHAttr.cpp`.

**Referenced by `gdHCouple::Show().int gHAttrs::TypeEnumToSmartL (sHAttrType * pAttrType, gSmartList & IEnumResult)`**

Definition at line 114 of file `gHtmlHAttr.cpp`.

**Referenced by `NewType().sHAttrType * gHAttrs::TypeName2HAttrType (char * strType)`**

Definition at line 81 of file `gHtmlHAttr.cpp`.

Referenced by `BuildFromLRLists()`.

---

The documentation for this class was generated from the following files:

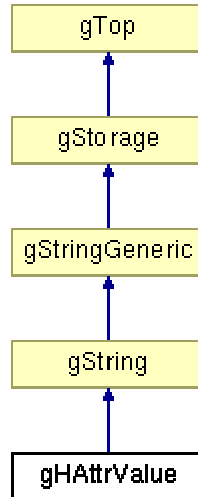
- `gHtmlHAttr.h`

- **gHtmlHAttr.cpp**

## gHAttrValue Class Reference

gHAttrValuegHAttrValue#include <gHtmlHAttr.h>

Inheritance diagram for gHAttrValue:



### Public Member Functions

- **gHAttrValue** (char \*strL, gHAttrType \*pValue)
- virtual **~gHAttrValue** ()
- virtual **gHAttrType & GetValue** ()
- virtual **gHAttrType \* GetValuePtr** ()

### Protected Attributes

- **gHAttrType \* valuePtr**

---

### Constructor & Destructor Documentation

**gHAttrValue::gHAttrValue** (char \* *strL*, gHAttrType \* *pValue*)

Definition at line 5 of file gHtmlHAttr.cpp.gHAttrValue::~gHAttrValue () [virtual]

Definition at line 11 of file gHtmlHAttr.cpp.

### Member Function Documentation

**gHAttrType & gHAttrValue::GetValue** () [virtual]

Definition at line 16 of file gHtmlHAttr.cpp.gHAttrType \* gHAttrValue::GetValuePtr () [virtual]

Definition at line 22 of file gHtmlHAttr.cpp.

## Member Data Documentation

**gHAType\* gHAttrValue::valuePtr** [protected]

Definition at line 18 of file gHtmlHAttr.h.

Referenced by GetValue(), GetValuePtr(), and ~gHAttrValue().

---

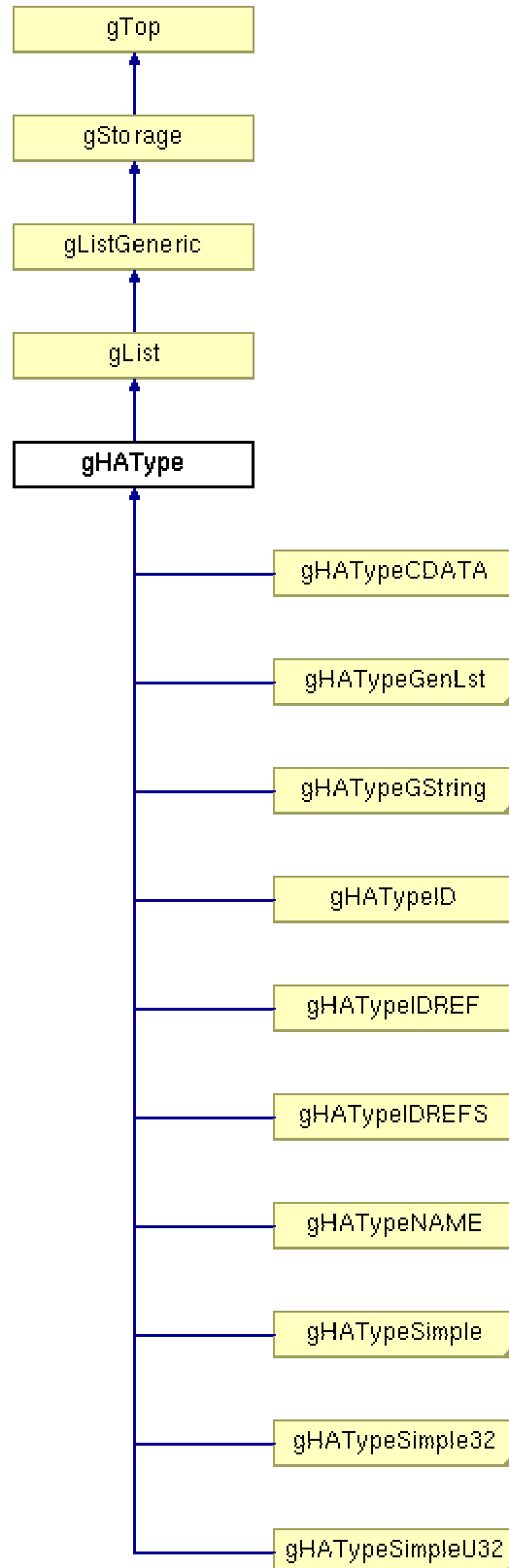
The documentation for this class was generated from the following files:

- **gHtmlHAttr.h**
- **gHtmlHAttr.cpp**

## gHAType Class Reference

`gHAType`  
`gHAType#include <gHtmlHATypes.h>`

Inheritance diagram for gHAType:



## Public Member Functions

- virtual `~gHAType ()`
- virtual `bool IsOk ()`
- virtual `t_int16 GetTypeId ()`
- virtual `eHAttrType GetType ()`
- virtual `char * GetStr ()`
- virtual `char * GetAttrStr ()`
- virtual `t_int32 GetInt32 ()`
- virtual `bool IsValue ()`
- virtual `bool IsValueAbsolute ()`
- virtual `void Reset ()`
- `int Unquote (gString &sIn, gString &sResult)`

## Protected Member Functions

- `gHAType (t_int16 aTypeId, char *strValue)`
- `char * thisUnquotedStr (char *str)`

## Protected Attributes

- `t_int16 typeId`
- `gString sAuxOut`
- `gString sOrig`
- `gString sUnquoted`

---

## Constructor & Destructor Documentation

**gHAType::~gHAType ()** [`virtual`]

Definition at line 13 of file `gHtmlHATypes.cpp`.  
**gHAType::gHAType (t\_int16 aTypeId, char \* strValue)** [`protected`]

Definition at line 5 of file `gHtmlHATypes.cpp`.

---

## Member Function Documentation

**virtual char\* gHAType::GetAttrStr ()** [`inline, virtual`]

Definition at line 76 of file `gHtmlHATypes.h`.

**Referenced by GetStr().virtual t\_int32 gHAType::GetInt32 ()** [`inline, virtual`]

Reimplemented in `gHATypeSimple` (p.150), `gHATypeSimple32` (p.152), and `gHATypeSimpleU32` (p.154).

Definition at line 80 of file `gHtmlHATypes.h`.

**Referenced by gHAttr::Show().virtual char\* gHAType::GetStr ()** [`inline, virtual`]

Definition at line 72 of file `gHtmlHATypes.h`.

**Referenced by gdHCouple::GetHRef(), gHATypeEnum::gHATypeEnum(), and gHAttr::Show().eHAttrType gHAType::GetType ()** [`virtual`]

Definition at line 27 of file gHtmlHATypes.cpp.

**Referenced by** `gdHCouple::GetHRef().t_int16 gHAType::GetTypeId () [virtual]`

Definition at line 22 of file gHtmlHATypes.cpp.

**Referenced by** `gHAttrs::Show().bool gHAType::IsOk () [virtual]`

Reimplemented from `gStorage` (p.275). Reimplemented in `gHATypeStringSingle` (p.156), `gHATypeSimple` (p.150), `gHATypeSimple32` (p.152), and `gHATypeSimpleU32` (p.154).

Definition at line 17 of file gHtmlHATypes.cpp.

**Referenced by** `gHAttrs::BuildFromLRLists(), gHATypeSimple::IsOk(), and gHATypeStringSingle::IsOk().virtual bool gHAType::IsValue () [inline, virtual]`

Reimplemented in `gHATypeSimple` (p.150), `gHATypeSimple32` (p.152), `gHATypeSimpleU32` (p.154), and `gHATypeLstVal` (p.143).

Definition at line 84 of file gHtmlHATypes.h.

**Referenced by** `gHAttrs::Show().virtual bool gHAType::IsValueAbsolute () [inline, virtual]`

Reimplemented in `gHATypeLength` (p.140).

**Definition at line 88 of file gHtmlHATypes.h.**`void gHAType::Reset () [virtual]`

Reimplemented from `gListGeneric` (p.244).

**Definition at line 34 of file gHtmlHATypes.cpp.**`char * gHAType::thisUnquotedStr (char * str) [protected]`

**Definition at line 57 of file gHtmlHATypes.cpp.**`int gHAType::Unquote (gString & sIn, gString & sResult)`

Definition at line 39 of file gHtmlHATypes.cpp.

Referenced by `thisUnquotedStr()`.

---

## Member Data Documentation

**gString gHAType::sAuxOut [protected]**

Definition at line 100 of file gHtmlHATypes.h.

**Referenced by** `gHATypeLength::gHATypeLength(), and thisUnquotedStr().gString gHAType::sOrig [protected]`

**Definition at line 101 of file gHtmlHATypes.h.**`gString gHAType::sUnquoted [protected]`

Definition at line 102 of file gHtmlHATypes.h.

**Referenced by** GetAttrStr(), gHATypeColor::gHATypeColor(),  
gHATypeEnum::gHATypeEnum(), gHATypeLength::gHATypeLength(),  
gHATypeSimple32::gHATypeSimple32(), gHATypeSimpleU32::gHATypeSimpleU32(),  
and gHATypeStringSingle::IsOk().t\_int16 gHAType::typeid [protected]

Definition at line 99 of file gHtmlHATypes.h.

Referenced by GetType(), GetTypeId(), and IsOk().

---

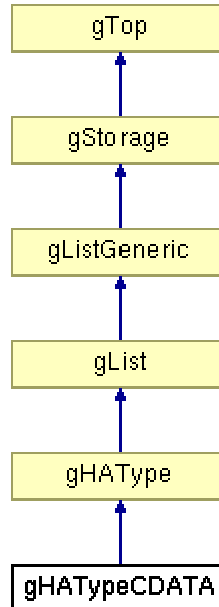
The documentation for this class was generated from the following files:

- **gHtmlHATypes.h**
- **gHtmlHATypes.cpp**

## gHATypeCDATA Class Reference

gHATypeCDATAgHATypeCDATA#include <gHtmlHATypes.h>

Inheritance diagram for gHATypeCDATA:



### Public Member Functions

- gHATypeCDATA (char \*strValue)
- virtual ~gHATypeCDATA ()

---

### Constructor & Destructor Documentation

**gHATypeCDATA::gHATypeCDATA (char \* *strValue*)**

**Definition at line 281 of file gHtmlHATypes.cpp.gHATypeCDATA::~gHATypeCDATA ()**  
[**virtual**]

Definition at line 286 of file gHtmlHATypes.cpp.

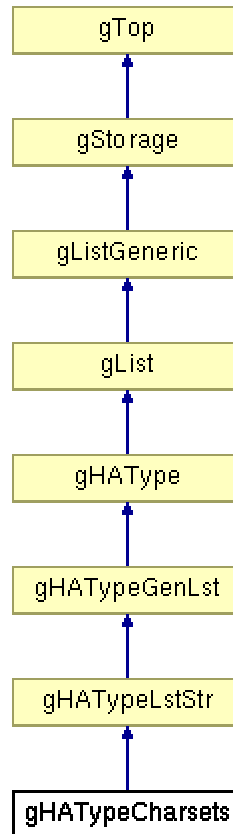
The documentation for this class was generated from the following files:

- gHtmlHATypes.h
- gHtmlHATypes.cpp

## gHATypeCharsets Class Reference

gHATypeCharsetsgHATypeCharsets#include <gHtmlHATypes.h>

Inheritance diagram for gHATypeCharsets:



### Public Member Functions

- **gHATypeCharsets** (char \*strValue, short codeAttrSingle)
- virtual ~gHATypeCharsets ()

---

### Constructor & Destructor Documentation

**gHATypeCharsets::gHATypeCharsets** (char \* *strValue*, short *codeAttrSingle*)

**Definition at line 245 of file gHtmlHATypes.cpp.**  
**gHATypeCharsets::~~gHATypeCharsets** () [virtual]

Definition at line 250 of file gHtmlHATypes.cpp.

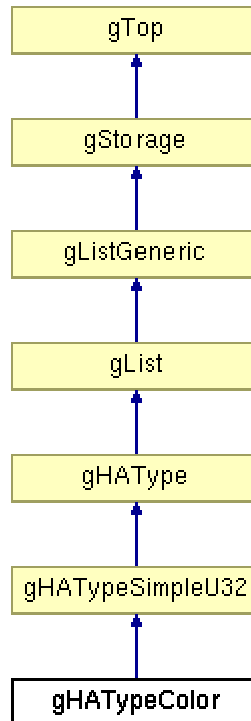
The documentation for this class was generated from the following files:

- gHtmlHATypes.h
- gHtmlHATypes.cpp

## gHATypeColor Class Reference

gHATypeColor gHATypeColor#include <gHtmlHATypes.h>

Inheritance diagram for gHATypeColor:



### Public Member Functions

- gHATypeColor (char \*strValue)
- virtual ~gHATypeColor ()

---

### Constructor & Destructor Documentation

**gHATypeColor::gHATypeColor (char \* *strValue*)**

**Definition at line 180 of file gHtmlHATypes.cpp.** gHATypeColor::~gHATypeColor ()  
[virtual]

Definition at line 190 of file gHtmlHATypes.cpp.

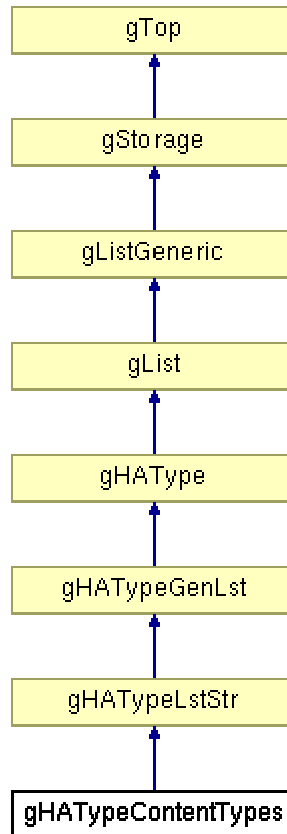
The documentation for this class was generated from the following files:

- gHtmlHATypes.h
- gHtmlHATypes.cpp

## gHATypeContentTypes Class Reference

gHATypeContentTypesgHATypeContentTypes#include <gHtmlHATypes.h>

Inheritance diagram for gHATypeContentTypes:



### Public Member Functions

- **gHATypeContentTypes** (char \*strValue, short codeAttrSingle)
- virtual ~gHATypeContentTypes ()

---

### Constructor & Destructor Documentation

**gHATypeContentTypes::gHATypeContentTypes** (char \* *strValue*, short *codeAttrSingle*)

Definition at line 254 of file

**gHtmlHATypes.cpp.gHATypeContentTypes::~gHATypeContentTypes** () [virtual]

Definition at line 259 of file gHtmlHATypes.cpp.

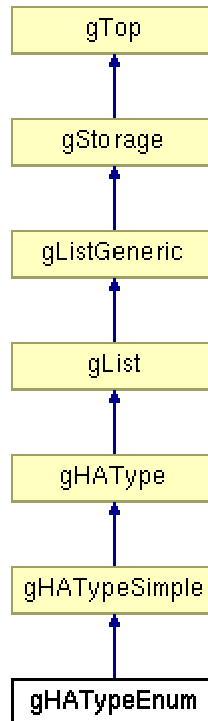
The documentation for this class was generated from the following files:

- **gHtmlHATypes.h**
- **gHtmlHATypes.cpp**

## gHATypeEnum Class Reference

gHATypeEnumgHATypeEnum#include <gHtmlHATypes.h>

Inheritance diagram for gHATypeEnum:



### Public Member Functions

- **gHATypeEnum** (t\_int16 aTypeId, char \*strValue, t\_int16 val=-1)
- **gHATypeEnum** (t\_int16 aTypeId, char \*strValue, gSmartList &IEnumStr)
- virtual ~gHATypeEnum ()

---

### Constructor & Destructor Documentation

**gHATypeEnum::gHATypeEnum** (t\_int16 *aTypeId*, char \* *strValue*, t\_int16 *val* = -1)

Definition at line 364 of file gHtmlHATypes.cpp.  
**gHATypeEnum::gHATypeEnum** (t\_int16 *aTypeId*, char \* *strValue*, gSmartList & *IEnumStr*)

Definition at line 370 of file gHtmlHATypes.cpp.  
**gHATypeEnum::~gHATypeEnum** ()  
 [virtual]

Definition at line 380 of file gHtmlHATypes.cpp.

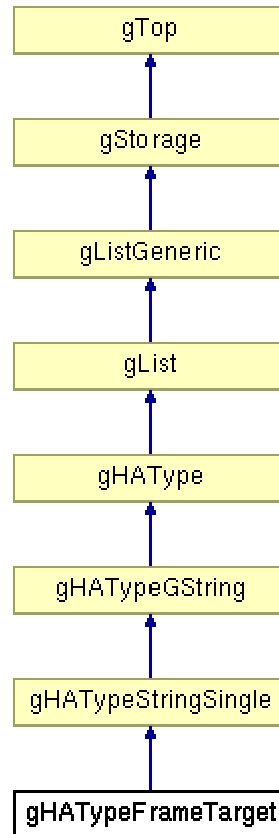
The documentation for this class was generated from the following files:

- gHtmlHATypes.h
- gHtmlHATypes.cpp

## gHATypeFrameTarget Class Reference

gHATypeFrameTargetgHATypeFrameTarget#include <gHtmlHATypes.h>

Inheritance diagram for gHATypeFrameTarget:



### Public Member Functions

- gHATypeFrameTarget (char \*strValue)
- virtual ~gHATypeFrameTarget ()

### Public Attributes

- bool isBlank

---

### Constructor & Destructor Documentation

**gHATypeFrameTarget::gHATypeFrameTarget (char \* *strValue*)**

Definition at line 354 of file

gHtmlHATypes.cpp.gHATypeFrameTarget::~gHATypeFrameTarget () [virtual]

Definition at line 360 of file gHtmlHATypes.cpp.

---

### Member Data Documentation

**bool gHATypeFrameTarget::isBlank**

Definition at line 441 of file gHtmlHATypes.h.

---

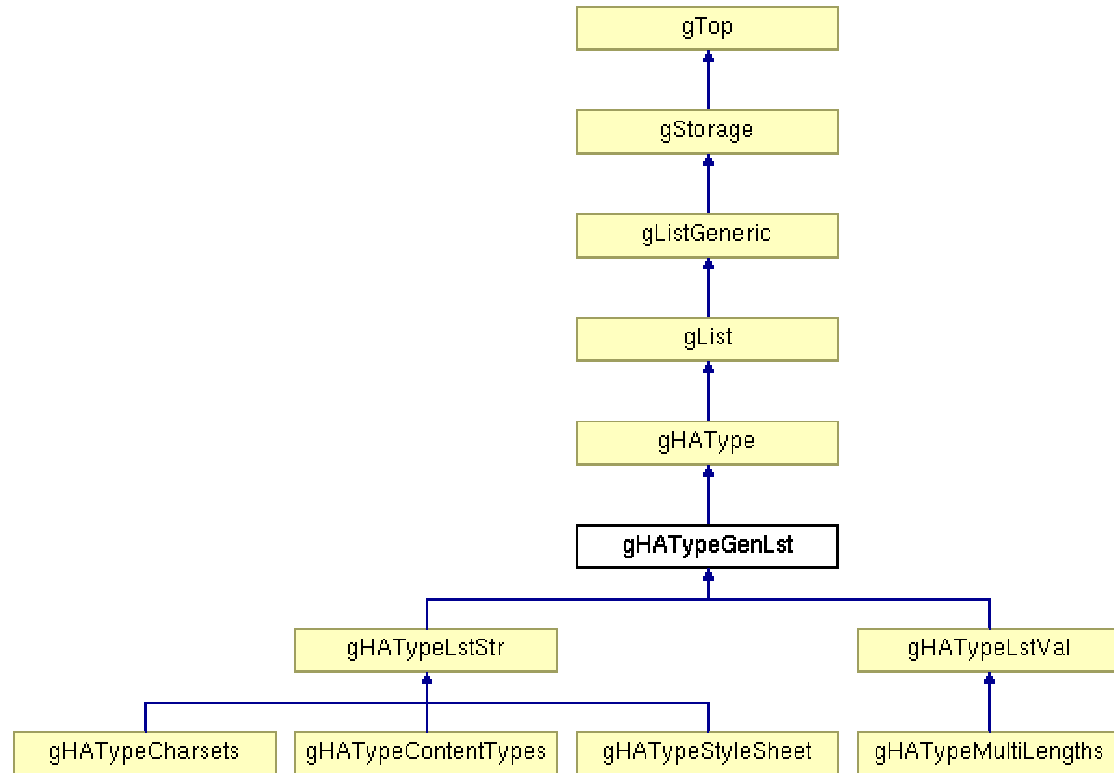
The documentation for this class was generated from the following files:

- **gHtmlHATypes.h**
- **gHtmlHATypes.cpp**

## gHATypeGenLst Class Reference

gHATypeGenLstgHATypeGenLst#include <gHtmlHATypes.h>

Inheritance diagram for gHATypeGenLst:



### Public Member Functions

- virtual ~gHATypeGenLst ()

### Public Attributes

- short hAttrSingle

### Protected Member Functions

- gHATypeGenLst (t\_int16 aTypeId, char \*strValue, short codeAttrSingle)

### Constructor & Destructor Documentation

**gHATypeGenLst::~gHATypeGenLst ()** [virtual]

Definition at line 221 of file gHtmlHATypes.cpp.  
**gHATypeGenLst::gHATypeGenLst (t\_int16 aTypeId, char \* strValue, short codeAttrSingle)** [protected]

Definition at line 215 of file gHtmlHATypes.cpp.

## Member Data Documentation

### short gHATypeGenLst::hAttrSingle

Definition at line 263 of file gHtmlHATypes.h.

Referenced by gHATypeLstVal::IsValue().

---

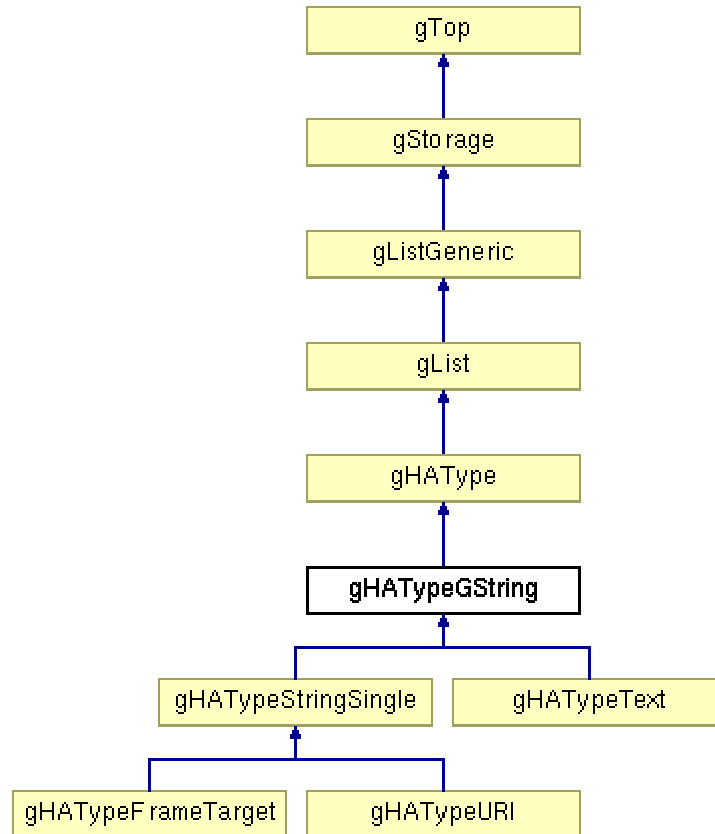
The documentation for this class was generated from the following files:

- **gHtmlHATypes.h**
- **gHtmlHATypes.cpp**

## gHATypeGString Class Reference

gHATypeGStringgHATypeGString#include <gHtmlHATypes.h>

Inheritance diagram for gHATypeGString:



### Public Member Functions

- virtual ~gHATypeGString ()

### Protected Member Functions

- gHATypeGString (t\_int16 aTypeId, char \*strValue)

---

### Constructor & Destructor Documentation

**gHATypeGString::~gHATypeGString ()** [virtual]

**Definition at line 69 of file gHtmlHATypes.cpp.**  
**gHATypeGString::gHATypeGString (t\_int16 aTypeId, char \* strValue)** [protected]

Definition at line 64 of file gHtmlHATypes.cpp.

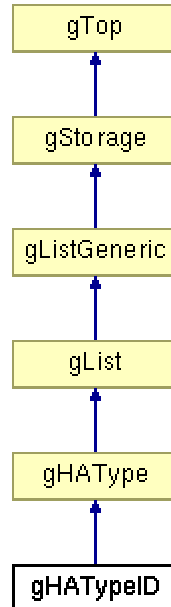
The documentation for this class was generated from the following files:

- gHtmlHATypes.h
- gHtmlHATypes.cpp

## gHATypeID Class Reference

gHATypeIDgHATypeID#include <gHtmlHATypes.h>

Inheritance diagram for gHATypeID:



### Public Member Functions

- gHATypeID (char \*strValue)
- virtual ~gHATypeID ()

---

### Constructor & Destructor Documentation

**gHATypeID::gHATypeID (char \* *strValue*)**

**Definition at line 290 of file gHtmlHATypes.cpp.gHATypeID::~gHATypeID () [virtual]**

Definition at line 295 of file gHtmlHATypes.cpp.

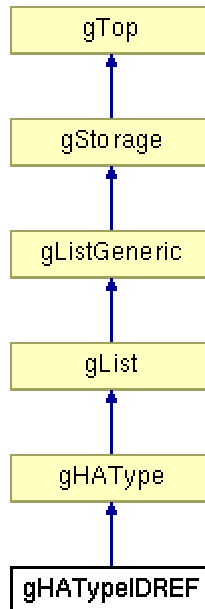
The documentation for this class was generated from the following files:

- gHtmlHATypes.h
- gHtmlHATypes.cpp

## gHATypeIDREF Class Reference

gHATypeIDREFgHATypeIDREF#include <gHtmlHATypes.h>

Inheritance diagram for gHATypeIDREF:



### Public Member Functions

- gHATypeIDREF (char \*strValue)
- virtual ~gHATypeIDREF ()

---

### Constructor & Destructor Documentation

**gHATypeIDREF::gHATypeIDREF (char \* *strValue*)**

**Definition at line 299 of file gHtmlHATypes.cpp.** gHATypeIDREF::~gHATypeIDREF ()  
[virtual]

Definition at line 304 of file gHtmlHATypes.cpp.

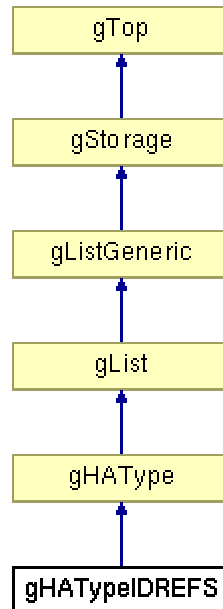
The documentation for this class was generated from the following files:

- gHtmlHATypes.h
- gHtmlHATypes.cpp

## gHATypeIDREFS Class Reference

gHATypeIDREFSgHATypeIDREFS#include <gHtmlHATypes.h>

Inheritance diagram for gHATypeIDREFS:



### Public Member Functions

- gHATypeIDREFS (char \*strValue)
- virtual ~gHATypeIDREFS ()

---

### Constructor & Destructor Documentation

**gHATypeIDREFS::gHATypeIDREFS (char \* *strValue*)**

**Definition at line 308 of file gHtmlHATypes.cpp.gHATypeIDREFS::~~gHATypeIDREFS ()**  
[virtual]

Definition at line 313 of file gHtmlHATypes.cpp.

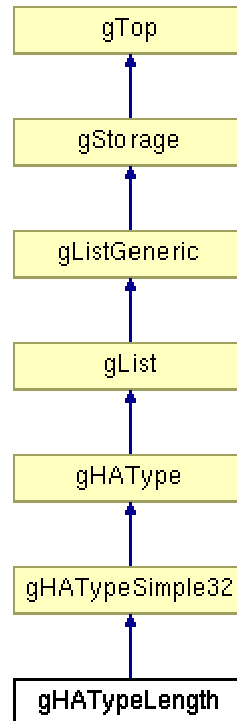
The documentation for this class was generated from the following files:

- gHtmlHATypes.h
- gHtmlHATypes.cpp

## gHATypeLength Class Reference

gHATypeLengthgHATypeLength#include <gHtmlHATypes.h>

Inheritance diagram for gHATypeLength:



### Public Member Functions

- **gHATypeLength** (char \*strValue)
- virtual ~gHATypeLength ()
- virtual bool **IsValueAbsolute** ()

### Public Attributes

- int percent

---

### Constructor & Destructor Documentation

**gHATypeLength::gHATypeLength** (char \* *strValue*)

Definition at line 194 of file gHtmlHATypes.cpp.  
**gHATypeLength::~gHATypeLength** ()  
 [virtual]

Definition at line 211 of file gHtmlHATypes.cpp.

---

### Member Function Documentation

**virtual bool gHATypeLength::IsValueAbsolute** () [inline, virtual]

Reimplemented from **gHAType** (p.125).

Definition at line 248 of file gHtmlHATypes.h.

---

## Member Data Documentation

### **int gHATypeLength::percent**

Definition at line 246 of file gHtmlHATypes.h.

Referenced by gHATypeLength(), and IsValueAbsolute().

---

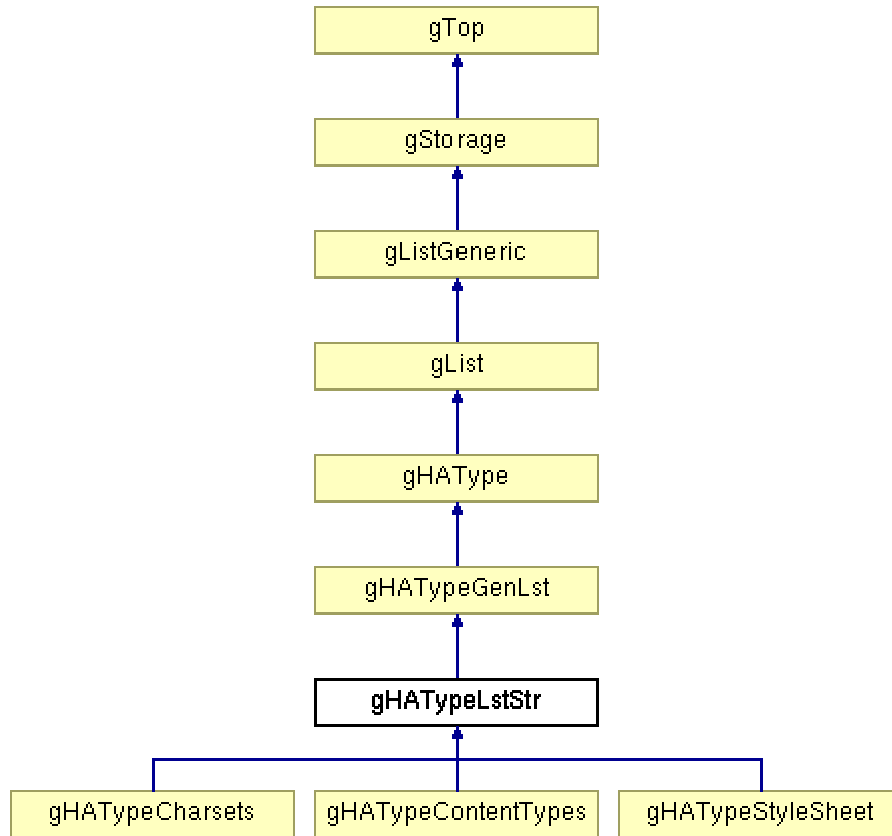
The documentation for this class was generated from the following files:

- **gHtmlHATypes.h**
- **gHtmlHATypes.cpp**

## gHATypeLstStr Class Reference

gHATypeLstStrgHATypeLstStr#include <gHtmlHATypes.h>

Inheritance diagram for gHATypeLstStr:



### Public Member Functions

- virtual ~gHATypeLstStr ()

### Protected Member Functions

- gHATypeLstStr (t\_int16 aTypeId, char \*strValue, short codeAttrSingle)

---

### Constructor & Destructor Documentation

**gHATypeLstStr::~gHATypeLstStr ()** [virtual]

**Definition at line 241 of file gHtmlHATypes.cpp.**  
**gHATypeLstStr::gHATypeLstStr (t\_int16 aTypeId, char \* strValue, short codeAttrSingle)** [protected]

Definition at line 236 of file gHtmlHATypes.cpp.

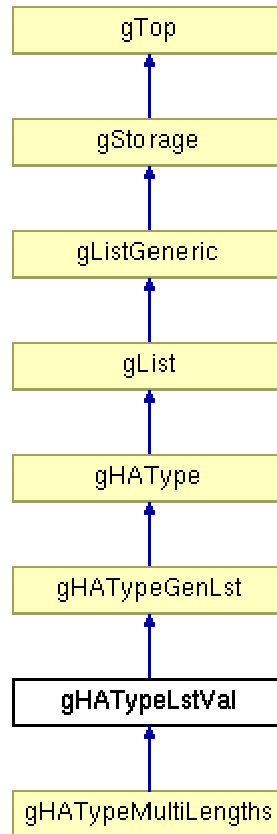
The documentation for this class was generated from the following files:

- gHtmlHATypes.h
- gHtmlHATypes.cpp

## gHATypeLstVal Class Reference

gHATypeLstValgHATypeLstVal#include <gHtmlHATypes.h>

Inheritance diagram for gHATypeLstVal:



### Public Member Functions

- virtual ~gHATypeLstVal ()
- virtual bool IsValue ()

### Protected Member Functions

- gHATypeLstVal (t\_int16 aTypeId, char \*strValue, short codeAttrSingle)

---

### Constructor & Destructor Documentation

**gHATypeLstVal::~gHATypeLstVal ()** [virtual]

Definition at line 230 of file gHtmlHATypes.cpp.  
**gHATypeLstVal::gHATypeLstVal (t\_int16 aTypeId, char \* strValue, short codeAttrSingle)** [protected]

Definition at line 225 of file gHtmlHATypes.cpp.

---

### Member Function Documentation

**virtual bool gHATypeLstVal::IsValue ()** [inline, virtual]

Reimplemented from gHAType (p.125).

Definition at line 291 of file gHtmlHATypes.h.

---

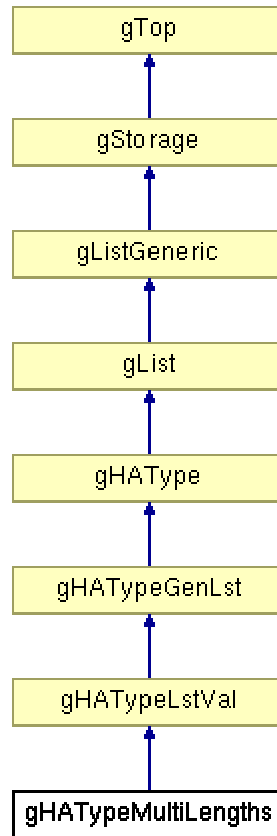
The documentation for this class was generated from the following files:

- **gHtmlHATypes.h**
- **gHtmlHATypes.cpp**

## gHATypeMultiLengths Class Reference

gHATypeMultiLengthsgHATypeMultiLengths#include <gHtmlHATypes.h>

Inheritance diagram for gHATypeMultiLengths:



### Public Member Functions

- `gHATypeMultiLengths (char *strValue, short codeAttrSingle)`
- `virtual ~gHATypeMultiLengths ()`

---

### Constructor & Destructor Documentation

**gHATypeMultiLengths::gHATypeMultiLengths (char \* *strValue*, short *codeAttrSingle*)**

Definition at line 272 of file

`gHtmlHATypes.cpp.gHATypeMultiLengths::~~gHATypeMultiLengths ()` [virtual]

Definition at line 277 of file `gHtmlHATypes.cpp`.

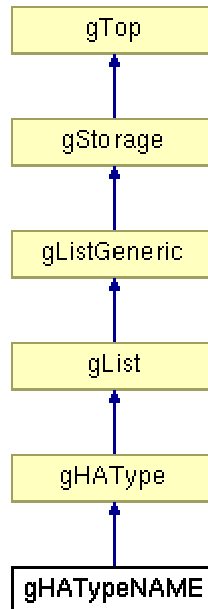
The documentation for this class was generated from the following files:

- `gHtmlHATypes.h`
- `gHtmlHATypes.cpp`

## gHATypeNAME Class Reference

gHATypeNAMEgHATypeNAME#include <gHtmlHATypes.h>

Inheritance diagram for gHATypeNAME:



### Public Member Functions

- **gHATypeNAME** (char \*strValue)
- virtual ~gHATypeNAME ()

---

### Constructor & Destructor Documentation

**gHATypeNAME::gHATypeNAME** (char \* *strValue*)

**Definition at line 317 of file gHtmlHATypes.cpp.**  
**gHATypeNAME::~gHATypeNAME** ()  
 [virtual]

Definition at line 322 of file gHtmlHATypes.cpp.

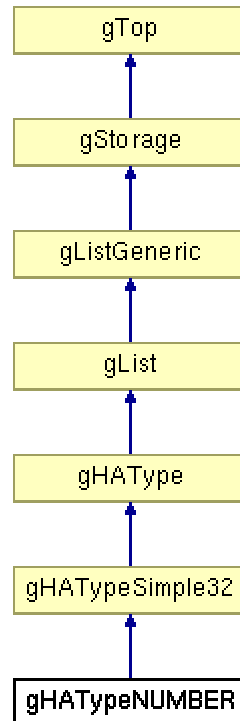
The documentation for this class was generated from the following files:

- **gHtmlHATypes.h**
- **gHtmlHATypes.cpp**

## gHATypeNUMBER Class Reference

gHATypeNUMBERgHATypeNUMBER#include <gHtmlHATypes.h>

Inheritance diagram for gHATypeNUMBER:



### Public Member Functions

- gHATypeNUMBER (char \*strValue)
- virtual ~gHATypeNUMBER ()

---

### Constructor & Destructor Documentation

**gHATypeNUMBER::gHATypeNUMBER (char \* *strValue*)**

**Definition at line 326 of file gHtmlHATypes.cpp.gHATypeNUMBER::~gHATypeNUMBER () [virtual]**

Definition at line 331 of file gHtmlHATypes.cpp.

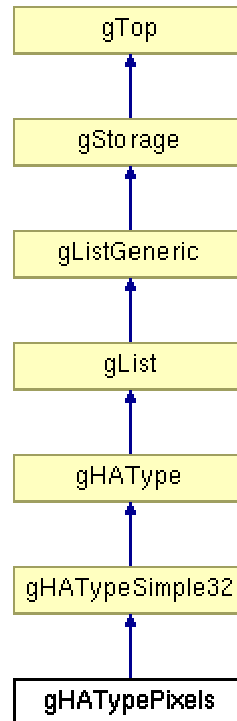
The documentation for this class was generated from the following files:

- gHtmlHATypes.h
- gHtmlHATypes.cpp

## gHATypePixels Class Reference

gHATypePixelsgHATypePixels#include <gHtmlHATypes.h>

Inheritance diagram for gHATypePixels:



### Public Member Functions

- gHATypePixels (char \*strValue)
- virtual ~gHATypePixels ()

---

### Constructor & Destructor Documentation

**gHATypePixels::gHATypePixels (char \* *strValue*)**

**Definition at line 335 of file gHtmlHATypes.cpp.gHATypePixels::~~gHATypePixels ()**  
**[virtual]**

Definition at line 340 of file gHtmlHATypes.cpp.

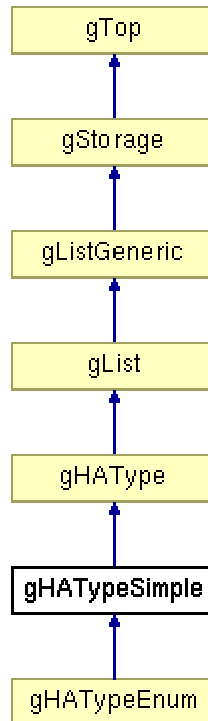
The documentation for this class was generated from the following files:

- gHtmlHATypes.h
- gHtmlHATypes.cpp

## gHATypeSimple Class Reference

gHATypeSimplegHATypeSimple#include <gHtmlHATypes.h>

Inheritance diagram for gHATypeSimple:



### Public Member Functions

- virtual ~gHATypeSimple ()
- virtual bool IsOk ()
- virtual t\_int32 GetInt32 ()
- virtual bool IsValue ()

### Public Attributes

- t\_int16 v

### Protected Member Functions

- gHATypeSimple (t\_int16 aTypeId, char \*strValue, t\_int16 val)

---

### Constructor & Destructor Documentation

**gHATypeSimple::~gHATypeSimple ()** [virtual]

**Definition at line 103 of file gHtmlHATypes.cpp.**  
**gHATypeSimple::gHATypeSimple (t\_int16 aTypeId, char \* strValue, t\_int16 val)** [protected]

Definition at line 97 of file gHtmlHATypes.cpp.

---

## Member Function Documentation

**t\_int32 gHATypeSimple::GetInt32 () [virtual]**

Reimplemented from **gHAType** (*p. 124*).

**Definition at line 112 of file gHtmlHATypes.cpp.**  
**bool gHATypeSimple::IsOk () [virtual]**

Reimplemented from **gHAType** (*p. 125*).

**Definition at line 107 of file gHtmlHATypes.cpp.**  
**virtual bool gHATypeSimple::IsValue () [inline, virtual]**

Reimplemented from **gHAType** (*p. 125*).

Definition at line 164 of file gHtmlHATypes.h.

---

## Member Data Documentation

**t\_int16 gHATypeSimple::v**

Definition at line 157 of file gHtmlHATypes.h.

Referenced by `GetInt32()`, `gHATypeEnum::gHATypeEnum()`, and `IsOk()`.

---

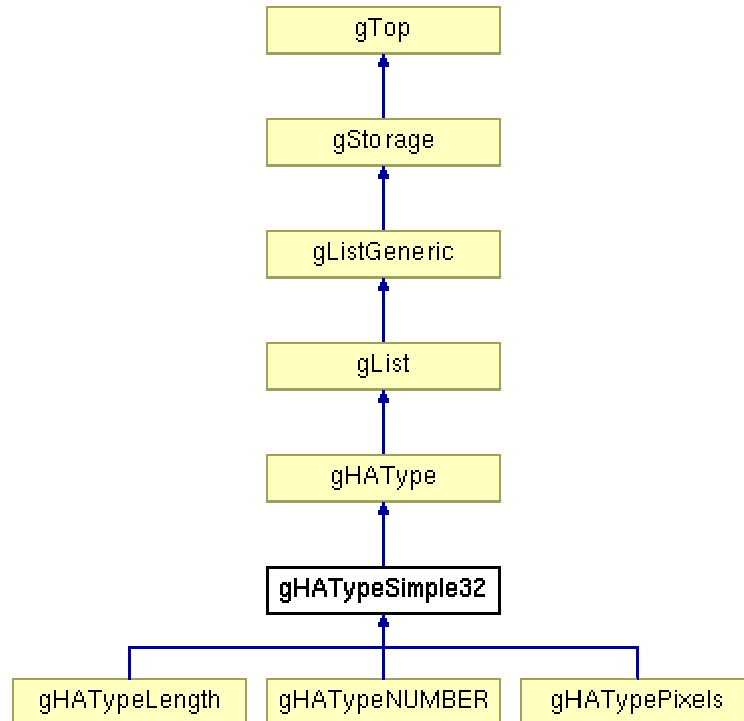
The documentation for this class was generated from the following files:

- **gHtmlHATypes.h**
- **gHtmlHATypes.cpp**

## gHATypeSimple32 Class Reference

gHATypeSimple32 gHATypeSimple32#include <gHtmlHATypes.h>

Inheritance diagram for gHATypeSimple32:



### Public Member Functions

- virtual `~gHATypeSimple32 ()`
- virtual bool `IsOk ()`
- virtual `t_int32 GetInt32 ()`
- virtual bool `IsValue ()`

### Public Attributes

- `t_int32 vS32`

### Protected Member Functions

- `gHATypeSimple32 (t_int16 aTypeId, char *strValue, t_int32 val)`

---

### Constructor & Destructor Documentation

`gHATypeSimple32::~gHATypeSimple32 ()` [virtual]

Definition at line 127 of file `gHtmlHATypes.cpp`.  
`gHATypeSimple32::gHATypeSimple32 (t_int16 aTypeId, char * strValue, t_int32 val)` [protected]

Definition at line 118 of file `gHtmlHATypes.cpp`.

---

## Member Function Documentation

**t\_int32 gHATypeSimple32::GetInt32 () [virtual]**

Reimplemented from **gHAType** (*p. 124*).

**Definition at line 136 of file gHtmlHATypes.cpp.bool gHATypeSimple32::IsOk () [virtual]**

Reimplemented from **gHAType** (*p. 125*).

**Definition at line 131 of file gHtmlHATypes.cpp.virtual bool gHATypeSimple32::IsValue () [inline, virtual]**

Reimplemented from **gHAType** (*p. 125*).

Definition at line 189 of file gHtmlHATypes.h.

---

## Member Data Documentation

**t\_int32 gHATypeSimple32::vS32**

Definition at line 182 of file gHtmlHATypes.h.

Referenced by `GetInt32()`, `gHATypeLength::gHATypeLength()`, `gHATypeSimple32()`, and `IsOk()`.

---

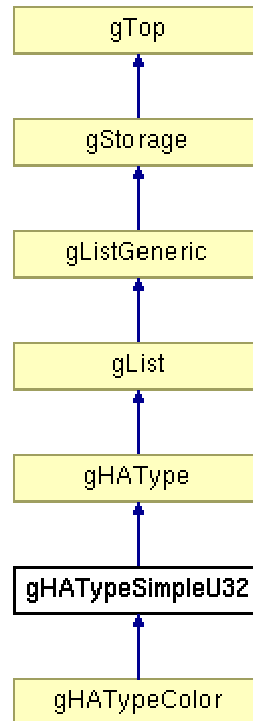
The documentation for this class was generated from the following files:

- **gHtmlHATypes.h**
- **gHtmlHATypes.cpp**

## gHATypeSimpleU32 Class Reference

gHATypeSimpleU32gHATypeSimpleU32#include <gHtmlHATypes.h>

Inheritance diagram for gHATypeSimpleU32:



### Public Member Functions

- virtual ~gHATypeSimpleU32 ()
- virtual bool IsOk ()
- virtual t\_int32 GetInt32 ()
- virtual bool IsValue ()
- int ConvertHexStrToUInt32 (char \*strValue, t\_uint32 &val)

### Public Attributes

- t\_uint32 vU32

### Protected Member Functions

- gHATypeSimpleU32 (t\_int16 aTypeId, char \*strValue, t\_uint32 val, bool isHex)

---

### Constructor & Destructor Documentation

**gHATypeSimpleU32::~gHATypeSimpleU32 ()** [virtual]

Definition at line 157 of file

**gHtmlHATypes.cpp.gHATypeSimpleU32::gHATypeSimpleU32 (t\_int16 aTypeId, char \*strValue, t\_uint32 val, bool isHex)** [protected]

Definition at line 142 of file gHtmlHATypes.cpp.

---

## Member Function Documentation

**int gHATypeSimpleU32::ConvertHexStrToUInt32 (char \* *strValue*, t\_uint32 & *val*)**

Definition at line 173 of file gHtmlHATypes.cpp.

**Referenced by gHATypeSimpleU32().t\_int32 gHATypeSimpleU32::GetInt32 ()**  
[virtual]

Reimplemented from **gHAType** (*p.124*).

**Definition at line 166 of file gHtmlHATypes.cpp.bool gHATypeSimpleU32::IsOk ()**  
[virtual]

Reimplemented from **gHAType** (*p.125*).

**Definition at line 161 of file gHtmlHATypes.cpp.virtual bool gHATypeSimpleU32::IsValue ()** [inline, virtual]

Reimplemented from **gHAType** (*p.125*).

Definition at line 214 of file gHtmlHATypes.h.

---

## Member Data Documentation

**t\_uint32 gHATypeSimpleU32::vU32**

Definition at line 207 of file gHtmlHATypes.h.

Referenced by GetInt32(), gHATypeColor::gHATypeColor(), gHATypeSimpleU32(), and IsOk().

---

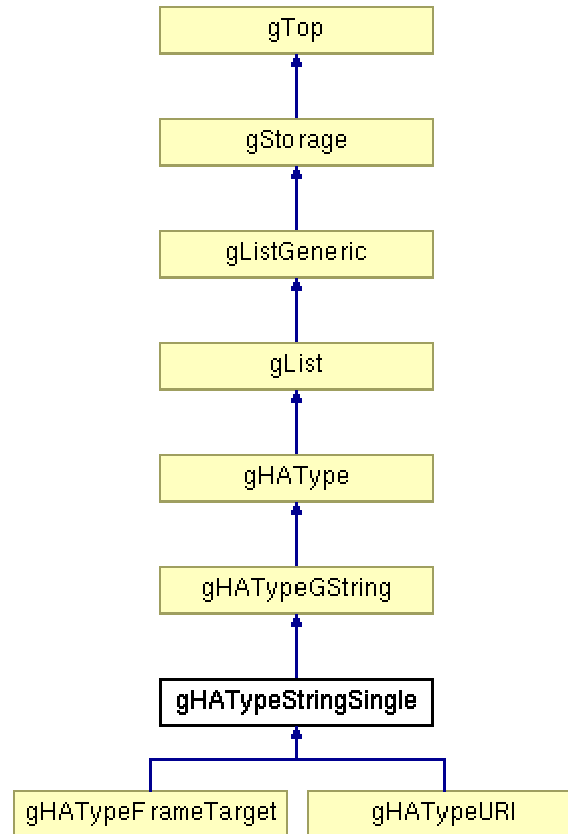
The documentation for this class was generated from the following files:

- **gHtmlHATypes.h**
- **gHtmlHATypes.cpp**

## gHATypeStringSingle Class Reference

gHATypeStringSinglegHATypeStringSingle#include <gHtmlHATypes.h>

Inheritance diagram for gHATypeStringSingle:



### Public Member Functions

- virtual ~gHATypeStringSingle ()
- virtual bool IsOk ()

### Protected Member Functions

- gHATypeStringSingle (t\_int16 aTypeId, char \*strValue)

---

### Constructor & Destructor Documentation

**gHATypeStringSingle::~gHATypeStringSingle ()** [virtual]

Definition at line 78 of file

**gHtmlHATypes.cpp.gHATypeStringSingle::gHATypeStringSingle (t\_int16 aTypeId, char \*strValue)** [protected]

Definition at line 73 of file gHtmlHATypes.cpp.

---

## Member Function Documentation

### **bool gHATypeStringSingle::IsOk () [virtual]**

Reimplemented from **gHAType** (*p.125*).

Definition at line 82 of file gHtmlHATypes.cpp.

---

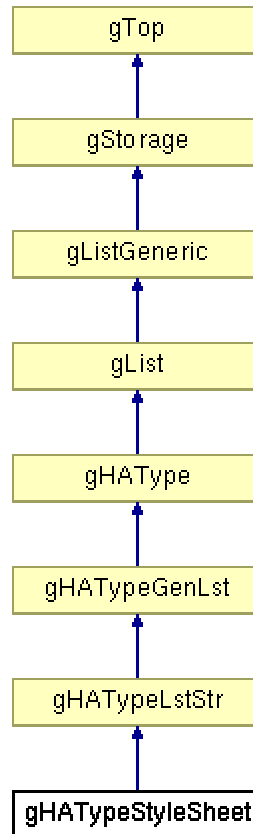
The documentation for this class was generated from the following files:

- **gHtmlHATypes.h**
- **gHtmlHATypes.cpp**

## gHATypeStyleSheet Class Reference

gHATypeStyleSheetgHATypeStyleSheet#include <gHtmlHATypes.h>

Inheritance diagram for gHATypeStyleSheet:



### Public Member Functions

- **gHATypeStyleSheet** (char \*strValue)
- virtual **~gHATypeStyleSheet** ()

---

### Constructor & Destructor Documentation

**gHATypeStyleSheet::gHATypeStyleSheet** (char \* *strValue*)

Definition at line 263 of file

**gHtmlHATypes.cpp.gHATypeStyleSheet::~~gHATypeStyleSheet** () [virtual]

Definition at line 268 of file gHtmlHATypes.cpp.

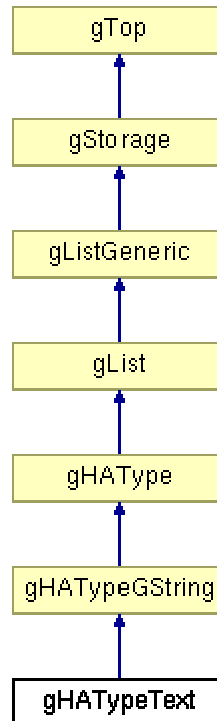
The documentation for this class was generated from the following files:

- **gHtmlHATypes.h**
- **gHtmlHATypes.cpp**

## gHATypeText Class Reference

gHATypeTextgHATypeText#include <gHtmlHATypes.h>

Inheritance diagram for gHATypeText:



### Public Member Functions

- gHATypeText (char \*strValue)
- virtual ~gHATypeText ()

---

### Constructor & Destructor Documentation

**gHATypeText::gHATypeText (char \* *strValue*)**

**Definition at line 344 of file gHtmlHATypes.cpp.gHATypeText::~gHATypeText ()**  
[virtual]

Definition at line 350 of file gHtmlHATypes.cpp.

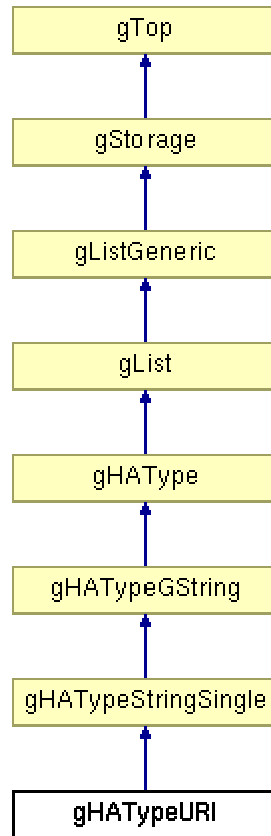
The documentation for this class was generated from the following files:

- gHtmlHATypes.h
- gHtmlHATypes.cpp

## gHATypeURI Class Reference

gHATypeURIgHATypeURI#include <gHtmlHATypes.h>

Inheritance diagram for gHATypeURI:



### Public Member Functions

- **gHATypeURI** (char \*strValue)
- virtual **~gHATypeURI** ()

---

### Constructor & Destructor Documentation

**gHATypeURI::gHATypeURI** (char \* *strValue*)

**Definition at line 88 of file gHtmlHATypes.cpp.gHATypeURI::~~gHATypeURI ()**  
[virtual]

Definition at line 93 of file gHtmlHATypes.cpp.

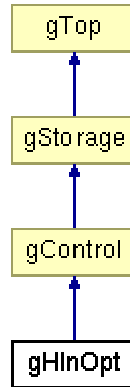
The documentation for this class was generated from the following files:

- **gHtmlHATypes.h**
- **gHtmlHATypes.cpp**

## gHInOpt Class Reference

gHInOptgHInOpt#include <gHtmlOpt.h>

Inheritance diagram for gHInOpt:



### Public Member Functions

- **gHInOpt ()**
- virtual **~gHInOpt ()**
- virtual bool **HasToSkip** (int iLine)
- virtual bool **ConvertToInt** (char \*str, int &v)
- virtual bool **SetFromString** (char \*str)

### Public Attributes

- **gListInt** **lLineAdd**
- int **vLineLTE**
- int **vLineGTE**
- **gListInt** **lLineSuppress**
- int **vLineSupLTE**
- int **vLineSupGTE**

### Protected Member Functions

- int **thisAddLineSup** (int v, bool doExclude)
- int **thisAddLineSupGTE** (int v, bool doExclude)
- bool **thisHasToShow** (int iLine)

### Protected Attributes

- bool **hasLineAddRestriction**

---

## Constructor & Destructor Documentation

**gHInOpt::gHInOpt ()**

**Definition at line 92 of file gHtmlOpt.cpp.**  
**gHInOpt::~gHInOpt ()** [virtual]

**Definition at line 101 of file gHtmlOpt.cpp.**

---

## Member Function Documentation

**bool gHlnOpt::ConvertToInt (char \* *str*, int & *v*)** [virtual]

Definition at line 117 of file gHtmlOpt.cpp.

**Referenced by SetFromString().bool gHlnOpt::HasToSkip (int *iLine*)** [virtual]

**Definition at line 105 of file gHtmlOpt.cpp.bool gHlnOpt::SetFromString (char \* *str*)**  
[virtual]

**Definition at line 126 of file gHtmlOpt.cpp.int gHlnOpt::thisAddLineSup (int *v*, bool *doExclude*)** [protected]

Definition at line 187 of file gHtmlOpt.cpp.

**Referenced by SetFromString().int gHlnOpt::thisAddLineSupGTE (int *v*, bool *doExclude*)** [protected]

Definition at line 200 of file gHtmlOpt.cpp.

**Referenced by SetFromString().bool gHlnOpt::thisHasToShow (int *iLine*)** [protected]

Definition at line 216 of file gHtmlOpt.cpp.

Referenced by HasToSkip().

---

## Member Data Documentation

**bool gHlnOpt::hasLineAddRestriction** [protected]

Definition at line 93 of file gHtmlOpt.h.

**Referenced by thisAddLineSup(), thisAddLineSupGTE(), and thisHasToShow().gListInt gHlnOpt::iLineAdd**

Definition at line 80 of file gHtmlOpt.h.

**Referenced by thisAddLineSup(), and thisHasToShow().gListInt gHlnOpt::iLineSuppress**

Definition at line 82 of file gHtmlOpt.h.

**Referenced by HasToSkip(), and thisAddLineSup().int gHlnOpt::vLineGTE**

Definition at line 81 of file gHtmlOpt.h.

**Referenced by `thisAddLineSupGTE()`, and `thisHasToShow()`.int gHInOpt::vLineLTE**

**Definition at line 81 of file `gHtmlOpt.h`.int gHInOpt::vLineSupGTE**

Definition at line 83 of file `gHtmlOpt.h`.

**Referenced by `HasToSkip()`, and `thisAddLineSupGTE()`.int gHInOpt::vLineSupLTE**

Definition at line 83 of file `gHtmlOpt.h`.

Referenced by `HasToSkip()`.

---

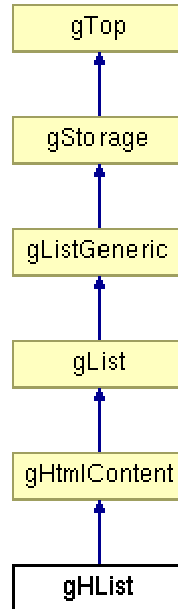
The documentation for this class was generated from the following files:

- `gHtmlOpt.h`
- `gHtmlOpt.cpp`

## gHList Class Reference

gHListgHList#include <gHtmlParser.h>

Inheritance diagram for gHList:



### Public Member Functions

- **gHList ()**
- **virtual ~gHList ()**
- **virtual gHtmlCouple \* GetCouple (unsigned idx)**
- **virtual void AppendCouple (gHtmlCouple &couple)**

### Public Attributes

- **gHtmlCouple \* coupleFakeBody**

---

### Constructor & Destructor Documentation

**gHList::gHList ()** [inline]

Definition at line 271 of file gHtmlParser.h.**virtual gHList::~gHList ()** [inline, virtual]

Definition at line 274 of file gHtmlParser.h.

---

### Member Function Documentation

**void gHList::AppendCouple (gHtmlCouple & couple)** [virtual]

Definition at line 1022 of file gHtmlParser.cpp.**gHtmlCouple \* gHList::GetCouple (unsigned idx)** [virtual]

Reimplemented from **gHtmlContent** (p.186).

Definition at line 1015 of file gHtmlParser.cpp.  
Referenced by gHSeq::thisBuild().

---

## Member Data Documentation

### **gHtmlCouple\* gHList::coupleFakeBody**

Definition at line 279 of file gHtmlParser.h.  
Referenced by GetCouple(), and ~gHList().

---

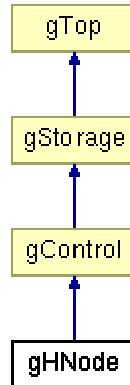
The documentation for this class was generated from the following files:

- **gHtmlParser.h**
- **gHtmlParser.cpp**

## gHNode Class Reference

gHNodegHNode#include <gHtmlSeq.h>

Inheritance diagram for gHNode:



### Public Member Functions

- gHNode ()
- virtual ~gHNode ()
- virtual bool IsTag ()
- virtual gHtmlCouple \* GetCouple ()
- virtual gHtmlCouple \* GetCouplePtr ()
- virtual bool SetCouplePtr (gHtmlCouple \*ptrCouple)

### Public Attributes

- gHNode \* nextNode
- gHTree \* tSub

### Protected Attributes

- gHtmlCouple \* pCouple

---

### Constructor & Destructor Documentation

**gHNode::gHNode ()**

**Definition at line 70 of file gHtmlSeq.cpp.gHNode::~~gHNode () [virtual]**

Definition at line 77 of file gHtmlSeq.cpp.

---

### Member Function Documentation

**gHtmlCouple \* gHNode::GetCouple () [virtual]**

**Definition at line 83 of file gHtmlSeq.cpp.virtual gHtmlCouple\* gHNode::GetCouplePtr () [inline, virtual]**

**Definition at line 48 of file gHtmlSeq.h.**  
**virtual bool gHNode::IsTag () [inline, virtual]**

**Definition at line 43 of file gHtmlSeq.h.**  
**bool gHNode::SetCouplePtr (gHtmlCouple \* ptrCouple) [virtual]**

Definition at line 89 of file gHtmlSeq.cpp.  
Referenced by gHTree::AppendCouplePtr().

---

## Member Data Documentation

**gHNode\* gHNode::nextNode**

Definition at line 39 of file gHtmlSeq.h.

**Referenced by gHTree::Reset(), and gHTree::thisAppendNode().**  
**gHNode::pCouple [protected]**

Definition at line 56 of file gHtmlSeq.h.

**Referenced by GetCouple(), GetCouplePtr(), IsTag(), and SetCouplePtr().**  
**gHNode::tSub**

Definition at line 40 of file gHtmlSeq.h.  
Referenced by gHTree::AppendTreePtr(), and ~gHNode().

---

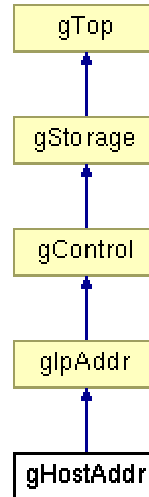
The documentation for this class was generated from the following files:

- **gHtmlSeq.h**
- **gHtmlSeq.cpp**

## gHostAddr Class Reference

gHostAddrgHostAddr#include <gnet.h>

Inheritance diagram for gHostAddr:



### Public Member Functions

- **gHostAddr** (char \*hostStr)
- **gHostAddr** (t\_uint8 c1, t\_uint8 c2, t\_uint8 c3, t\_uint8 c4)
- **gHostAddr** (gIpAddr &ipAddr)
- virtual ~**gHostAddr** ()
- virtual bool **IsOk** ()
- virtual t\_uchar \* **String** ()
- virtual char \* **GetHostName** ()
- virtual bool **SetHostName** (char \*hostStr)
- virtual void **Show** (bool doShowAll=true)

### Protected Attributes

- gString destHostStr

### Constructor & Destructor Documentation

**gHostAddr::gHostAddr** (char \* *hostStr*)

Definition at line 311 of file gnet.cpp.gHostAddr::gHostAddr (t\_uint8 c1, t\_uint8 c2, t\_uint8 c3, t\_uint8 c4)

Definition at line 317 of file gnet.cpp.gHostAddr::gHostAddr (gIpAddr & *ipAddr*)

Definition at line 322 of file gnet.cpp.gHostAddr::~gHostAddr () [virtual]

Definition at line 327 of file gnet.cpp.

## Member Function Documentation

**virtual char\* gHostAddr::GetHostName () [inline, virtual]**

Definition at line 143 of file gnet.h.

**Referenced by gSocket::SetConnection().bool gHostAddr::IsOk () [virtual]**

Reimplemented from **gIpAddr** (p.225).

Definition at line 331 of file gnet.cpp.

**Referenced by gTcpConnect::gTcpConnect(), and gSocket::SetConnection().bool gHostAddr::SetHostName (char \* hostStr) [virtual]**

Definition at line 342 of file gnet.cpp.

**Referenced by gSocket::SetConnection().void gHostAddr::Show (bool doShowAll = true) [virtual]**

Reimplemented from **gIpAddr** (p.225).

**Definition at line 350 of file gnet.cpp.t\_uchar \* gHostAddr::String () [virtual]**

Reimplemented from **gIpAddr** (p.225).

Definition at line 336 of file gnet.cpp.

Referenced by Show(), and gTcpConnect::String().

---

## Member Data Documentation

**gString gHostAddr::destHostStr [protected]**

Definition at line 154 of file gnet.h.

Referenced by GetHostName(), SetHostName(), Show(), and String().

---

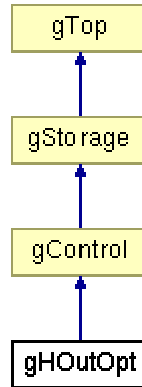
The documentation for this class was generated from the following files:

- **gnet.h**
- **gnet.cpp**

## gHOutOpt Class Reference

gHOutOptgHOutOpt#include <gHtmlOpt.h>

Inheritance diagram for gHOutOpt:



### Public Member Functions

- **gHOutOpt** (FILE \*afRepErr)
- virtual ~**gHOutOpt** ()
- virtual **gConfig & Config** ()
- virtual bool **HasToSkip** (char \*sFullTagStr)
- virtual bool **IsTagSkipped** (char \*sTagStr)
- bool **HasTidy** (char \*strTag)
- bool **HasTidy** (char \*strTag, unsigned &idx)
- bool **HasTidyAttr** (char \*strTag, **gString** &sAttr)
- bool **HasTidyAttr** (char \*strTag, **gString** &sAttr, unsigned &idx)
- void **CopyHOutOpt** (gHOutOpt &copy)
- virtual int **CopyDefaultAttrs** ()
- virtual int **CopyDefaultAttrNorms** (t\_int16 idTag0, t\_int16 idTag1, bool doDefault)
- virtual int **ConfigFromFile** (char \*fName)
- virtual void **Show** (bool doShowAll=true)

### Public Attributes

- FILE \* fRepErr
- sTidyArray aTidy
- sAttrsTagNorm lAttrsNorm

### Protected Member Functions

- bool **thisHasTidy** (char \*strTag, unsigned &idx)
- bool **thisHasTidyAttr** (char \*strTag, **gString** &sAttr, unsigned &idx)
- int **thisConfig** (gConfig &cfcg)

### Protected Attributes

- **gConfig** \* myConfig
  - **gList** lSkipTag
  - **gList** lSkipFSt
  - **gList** lSkipStt
-

## Constructor & Destructor Documentation

**gHOutOpt::gHOutOpt (FILE \* *afRepErr*)**

Definition at line 239 of file gHtmlOpt.cpp.**gHOutOpt::~gHOutOpt ()** [virtual]

Definition at line 245 of file gHtmlOpt.cpp.

---

## Member Function Documentation

**gConfig & gHOutOpt::Config ()** [virtual]

Definition at line 250 of file gHtmlOpt.cpp.**int gHOutOpt::ConfigFromFile (char \* *fName*)**  
[virtual]

Definition at line 288 of file gHtmlOpt.cpp.**int gHOutOpt::CopyDefaultAttrNorms (t\_int16 *idTag0*, t\_int16 *idTag1*, bool *doDefault*)** [virtual]

Definition at line 283 of file gHtmlOpt.cpp.

Referenced by **CopyDefaultAttrs().int gHOutOpt::CopyDefaultAttrs ()** [virtual]

Definition at line 278 of file gHtmlOpt.cpp.**void gHOutOpt::CopyHOutOpt (gHOutOpt & *copy*)**

Definition at line 268 of file gHtmlOpt.cpp.

Referenced by **gHtmlOpt::CopyOptions().bool gHOutOpt::HasTidy (char \* *strTag*, unsigned & *idx*)** [inline]

Definition at line 167 of file gHtmlOpt.h.**bool gHOutOpt::HasTidy (char \* *strTag*)**  
[inline]

Definition at line 163 of file gHtmlOpt.h.**bool gHOutOpt::HasTidyAttr (char \* *strTag*, gString & *sAttr*, unsigned & *idx*)** [inline]

Definition at line 174 of file gHtmlOpt.h.**bool gHOutOpt::HasTidyAttr (char \* *strTag*, gString & *sAttr*)** [inline]

Definition at line 170 of file gHtmlOpt.h.**bool gHOutOpt::HasToSkip (char \* *sFullTagStr*)**  
[virtual]

**Definition at line 256 of file gHtmlOpt.cpp.virtual bool gHOutOpt::IsTagSkipped (char \* sTagStr) [inline, virtual]**

Definition at line 159 of file gHtmlOpt.h.

**Referenced by gHtmlParser::thisParse().void gHOutOpt::Show (bool doShowAll = true) [virtual]**

Reimplemented from gStorage (p.276).

**Definition at line 482 of file gHtmlOpt.cpp.int gHOutOpt::thisConfig (gConfig & cfg) [protected]**

Definition at line 342 of file gHtmlOpt.cpp.

**Referenced by ConfigFromFile().bool gHOutOpt::thisHasTidy (char \* strTag, unsigned & idx) [protected]**

Definition at line 299 of file gHtmlOpt.cpp.

**Referenced by HasTidy().bool gHOutOpt::thisHasTidyAttr (char \* strTag, gString & sAttr, unsigned & idx) [protected]**

Definition at line 320 of file gHtmlOpt.cpp.

Referenced by HasTidyAttr().

---

## Member Data Documentation

### sTidyArray gHOutOpt::aTidy

Definition at line 151 of file gHtmlOpt.h.

**Referenced by CopyHOutOpt(), gdSnarfCont::gdSnarfCont(), thisConfig(), thisHasTidy(), and thisHasTidyAttr().FILE\* gHOutOpt::fRepErr**

Definition at line 150 of file gHtmlOpt.h.

**Referenced by CopyHOutOpt(), and thisConfig().sAttrTagNorm gHOutOpt::lAttrNorm**

Definition at line 152 of file gHtmlOpt.h.

**Referenced by CopyDefaultAttrNorms(), and gdHCouple::CopyNormalizeAttr().gList gHOutOpt::lSkipFSt [protected]**

Definition at line 192 of file gHtmlOpt.h.

**Referenced by CopyHOutOpt(), HasToSkip(), Show(), and thisConfig().gList gHOutOpt::lSkipStt [protected]**

Definition at line 193 of file gHtmlOpt.h.

**Referenced by CopyHOutOpt(), HasToSkip(), and thisConfig().gList**  
**gHOutOpt::ISkipTag** [protected]

Definition at line 191 of file gHtmlOpt.h.

**Referenced by CopyHOutOpt(), IsTagSkipped(), and thisConfig().gConfig\***  
**gHOutOpt::myConfig** [protected]

Definition at line 190 of file gHtmlOpt.h.

Referenced by Config(), ConfigFromFile(), Show(), and ~gHOutOpt().

---

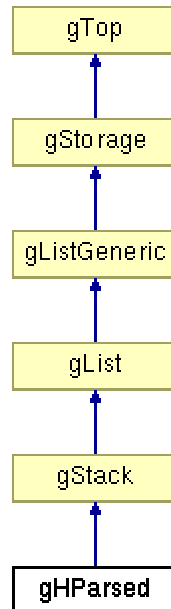
The documentation for this class was generated from the following files:

- **gHtmlOpt.h**
- **gHtmlOpt.cpp**

## gHParsed Class Reference

gHParsedgHParsed#include <gHtmlParser.h>

Inheritance diagram for gHParsed:



### Public Member Functions

- **gHParsed** ()
- virtual **~gHParsed** ()
- virtual int **Depth** ()
- virtual char \* **Str** (unsigned idx)
- virtual char \* **StrMust** (unsigned idx)
- virtual **gHtmlCouple** \* **CurrentCouple** ()
- virtual **gHtmlCouple** \* **GetCouple** (unsigned idx)
- virtual **gHtmlCouple** \* **FindCouple** (t\_int16 idTag)
- virtual void **PushTagOptEnd** (gHtmlCouple &couple)
- virtual int **PushTag** (gHtmlCouple &couple, bool doCheckOnly=false)
- virtual int **PopTag** (bool hasOptEnd)
- virtual void **TrashLast** ()

### Public Attributes

- **eHState** state
- bool **hasBaseHRef**
- **gStack** kMust

### Static Public Attributes

- static const char \* **tblStateStr** [e\_HS\_Last]

### Protected Member Functions

- int **thisPush** (gHtmlCouple &couple, gStack &aStack)
- int **thisPushCouple** (gHtmlCouple &couple, bool hasOptEnd)

## Constructor & Destructor Documentation

**gHParsed::gHParsed () [inline]**

**Definition at line 225 of file gHtmlParser.h.**  
**virtual gHParsed::~gHParsed () [inline, virtual]**

Definition at line 229 of file gHtmlParser.h.

---

## Member Function Documentation

**gHtmlCouple \* gHParsed::CurrentCouple () [virtual]**

Definition at line 864 of file gHtmlParser.cpp.

**Referenced by PopTag(), and TrashLast().**  
**virtual int gHParsed::Depth () [inline, virtual]**

Definition at line 240 of file gHtmlParser.h.

**Referenced by CurrentCouple(), and gHSeq::thisCheck().**  
**gHtmlCouple \* gHParsed::FindCouple (t\_int16 idTag) [virtual]**

**Definition at line 894 of file gHtmlParser.cpp.**  
**gHtmlCouple \* gHParsed::GetCouple (unsigned idx) [virtual]**

Definition at line 886 of file gHtmlParser.cpp.

**Referenced by FindCouple(), and Str().**  
**int gHParsed::PopTag (bool hasOptEnd) [virtual]**

```
printf("DBG: ###POP_: "); for (unsigned dbgIdx=1; dbgIdx<=kMust.N(); dbgIdx++)
printf("[%s]",StrMust(dbgIdx));          printf("DBG:          ###          line
%u:(%s).\n",((gHtmlCouple*)kMust.EndPtr()->me)-
>iLine,((gHtmlCouple*)kMust.EndPtr()->me)->sTag.Str());
```

Definition at line 956 of file gHtmlParser.cpp.

**Referenced by gHSeq::thisCheck().**  
**int gHParsed::PushTag (gHtmlCouple & couple, bool doCheckOnly = false) [virtual]**

```
printf("DBG: ###PUSH: "); for (unsigned dbgIdx=1; dbgIdx<=kMust.N(); dbgIdx++)
printf("[%s]",StrMust(dbgIdx)); printf("DBG: ###(%s).\n",couple.sTag.Str());
```

Definition at line 912 of file gHtmlParser.cpp.

**Referenced by gHSeq::thisCheck().**  
**void gHParsed::PushTagOptEnd (gHtmlCouple & couple) [virtual]**

**Definition at line 907 of file gHtmlParser.cpp.char \* gHParsed::Str (unsigned *idx*)**  
**[virtual]**

Reimplemented from **gListGeneric** (*p.245*).

**Definition at line 873 of file gHtmlParser.cpp.char \* gHParsed::StrMust (unsigned *idx*)**  
**[virtual]**

**Definition at line 878 of file gHtmlParser.cpp.int gHParsed::thisPush (gHtmlCouple & *couple*, gStack & *aStack*) [protected]**

Definition at line 997 of file gHtmlParser.cpp.

**Referenced by thisPushCouple().int gHParsed::thisPushCouple (gHtmlCouple & *couple*, bool *hasOptEnd*) [protected]**

Definition at line 1007 of file gHtmlParser.cpp.

**Referenced by PushTag(), and PushTagOptEnd().void gHParsed::TrashLast ()**  
**[virtual]**

Definition at line 991 of file gHtmlParser.cpp.

---

## Member Data Documentation

**bool gHParsed::hasBaseHRef**

Definition at line 236 of file gHtmlParser.h.

**Referenced by PushTag().gStack gHParsed::kMust**

Definition at line 237 of file gHtmlParser.h.

**Referenced by PopTag(), StrMust(), gHtmlParser::thisParse(), thisPushCouple(), and TrashLast().eHState gHParsed::state**

Definition at line 235 of file gHtmlParser.h.

**Referenced by PopTag(), PushTag(), and gHtmlParser::thisParse().const char \* gHParsed::tblStateStr [static]**

```
Initial value: {
    "START",
    "START ",
    "HTML",
    "HEAD",
    "HEAD ",
    "BODY",
    "BODY ",
    "HTML "}
```

Definition at line 11 of file gHtmlParser.cpp.

---

The documentation for this class was generated from the following files:

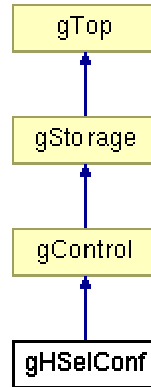
- **gHtmlParser.h**
- **gHtmlParser.cpp**



## gHSelConf Class Reference

gHSelConf gHSelConf#include <gHtmlSelect.h>

Inheritance diagram for gHSelConf:



### Public Member Functions

- **gHSelConf** (FILE \*afRepErr)
- virtual **~gHSelConf** ()
- virtual **gConfig & Config** ()
- virtual int **ConfigFromFile** (char \*fName)
- virtual void **Show** (bool doShowAll=true)

### Public Attributes

- FILE \* **fRepErr**

### Protected Member Functions

- int **thisConfig** (gConfig &cfg)

### Protected Attributes

- gConfig \* **myConfig**

---

## Constructor & Destructor Documentation

**gHSelConf::gHSelConf** (FILE \* *afRepErr*)

Definition at line 5 of file gHtmlSelect.cpp.**gHSelConf::~~gHSelConf** () [virtual]

Definition at line 11 of file gHtmlSelect.cpp.

---

## Member Function Documentation

**gConfig & gHSelConf::Config** () [virtual]

Definition at line 16 of file gHtmlSelect.cpp.**int gHSelConf::ConfigFromFile** (char \* *fName*) [virtual]

**Definition at line 22 of file gHtmlSelect.cpp.****void gHSelConf::Show (bool *doShowAll* = true) [virtual]**

Reimplemented from **gStorage** (p.276).

**Definition at line 38 of file gHtmlSelect.cpp.****int gHSelConf::thisConfig (gConfig & *cfg*) [protected]**

Definition at line 33 of file gHtmlSelect.cpp.

Referenced by ConfigFromFile().

---

## Member Data Documentation

**FILE\* gHSelConf::fRepErr**

**Definition at line 12 of file gHtmlSelect.h.****gConfig\* gHSelConf::myConfig [protected]**

Definition at line 24 of file gHtmlSelect.h.

Referenced by Config(), ConfigFromFile(), and ~gHSelConf().

---

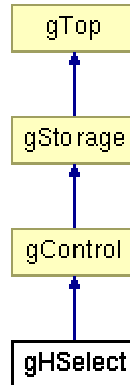
The documentation for this class was generated from the following files:

- **gHtmlSelect.h**
- **gHtmlSelect.cpp**

## gHSelect Class Reference

gHSelectgHSelect#include <gHtmlSelect.h>

Inheritance diagram for gHSelect:



### Public Member Functions

- **gHSelect** (FILE \*afOut, FILE \*afRepErr)
- virtual ~gHSelect ()
- virtual int **Select** (gHSelConf \*pConf, gHTree &IH)

### Public Attributes

- FILE \* **fOut**
- FILE \* **fRepErr**

---

### Constructor & Destructor Documentation

**gHSelect::gHSelect** (FILE \* *afOut*, FILE \* *afRepErr*)

**Definition at line 42 of file gHtmlSelect.cpp.**  
**gHSelect::~gHSelect ()** [virtual]

Definition at line 48 of file gHtmlSelect.cpp.

---

### Member Function Documentation

**int gHSelect::Select** (gHSelConf \* *pConf*, gHTree & *IH*) [virtual]

Definition at line 52 of file gHtmlSelect.cpp.

---

### Member Data Documentation

**FILE\* gHSelect::fOut**

**Definition at line 40 of file gHtmlSelect.h.**  
**FILE\* gHSelect::fRepErr**

Definition at line 41 of file gHtmlSelect.h.

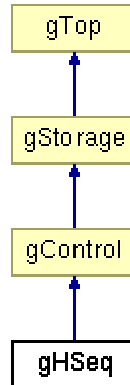
The documentation for this class was generated from the following files:

- **gHtmlSelect.h**
- **gHtmlSelect.cpp**

## gHSeq Class Reference

gHSeqgHSeq#include <gHtmlSeq.h>

Inheritance diagram for gHSeq:



### Public Member Functions

- **gHSeq** (FILE \*afRepErr)
- virtual ~**gHSeq** ()
- virtual char \* **GetURL** (char \*strURI)
- virtual bool **SetBaseHRef** (gString &aBaseHRef)
- virtual int **Build** (gHList &lH, eHState state)
- void **ShowPart** (gHList &lH, eHState state, gHtmlOpt &htmlOpt)

### Public Attributes

- FILE \* fRepErr
- gHTree hTree

### Protected Member Functions

- int **thisCheck** (gHList &lH, eHState state, unsigned sttLine, unsigned endLine)
- int **thisBuild** (gHList &lH)
- int **thisConsolidate** (gHTree &hT)
- int **thisLineSubBlock** (int hLine, t\_int32 mCoord, bool &doSkip)
- int **thisLineSubBlockCoord** (int hLine, t\_int32 startCoord, t\_int32 &fCoord, bool &doSkip)
- gHTree \* **thisFindRememberedBlock** (t\_int32 mCoord, int hLine, int &idxTagTree)
- int **thisAppendNormal** (gHtmlCouple \*pCouple)
- int **thisAppendTree** (gHTree \*pTree)

### Protected Attributes

- gString sBaseHRef
- gString sOut
- gURI baseURI
- t\_int32 nCoords
- t\_int32 iCoordStt
- gTagCoord \* pTagCoords

---

## Constructor & Destructor Documentation

**gHSeq::gHSeq** (FILE \* *afRepErr*)

**Definition at line 209 of file gHtmlSeq.cpp.gHSeq::~gHSeq () [virtual]**

Definition at line 220 of file gHtmlSeq.cpp.

---

## Member Function Documentation

**int gHSeq::Build (gHList & *IH*, eHState *state*) [virtual]**

Definition at line 276 of file gHtmlSeq.cpp.

**Referenced by gHtmlParser::ShowTree().char \* gHSeq::GetURL (char \* *strURL*) [virtual]**

**Definition at line 233 of file gHtmlSeq.cpp.bool gHSeq::SetBaseHRef (gString & *aBaseHRef*) [virtual]**

Definition at line 268 of file gHtmlSeq.cpp.

**Referenced by gHtmlParser::ShowTree().void gHSeq::ShowPart (gHList & *IH*, eHState *state*, gHtmlOpt & *htmlOpt*)**

Definition at line 313 of file gHtmlSeq.cpp.

**Referenced by gHtmlParser::ShowTree().int gHSeq::thisAppendNormal (gHtmlCouple \* *pCouple*) [protected]**

Definition at line 631 of file gHtmlSeq.cpp.

**Referenced by thisBuild().int gHSeq::thisAppendTree (gHTree \* *pTree*) [protected]**

Definition at line 638 of file gHtmlSeq.cpp.

**Referenced by thisBuild().int gHSeq::thisBuild (gHList & *IH*) [protected]**

Definition at line 413 of file gHtmlSeq.cpp.

**Referenced by Build().int gHSeq::thisCheck (gHList & *IH*, eHState *state*, unsigned *sttLine*, unsigned *endLine*) [protected]**

Definition at line 324 of file gHtmlSeq.cpp.

**Referenced by Build().int gHSeq::thisConsolidate (gHTree & *hT*) [protected]**

Definition at line 583 of file gHtmlSeq.cpp.

**Referenced by Build().gHTree \* gHSeq::thisFindRememberedBlock (t\_int32 *mCoord*, int *hLine*, int & *idxTagTree*) [protected]**

Definition at line 612 of file gHtmlSeq.cpp.

**Referenced by thisBuild().int gHSeq::thisLineSubBlock (int *hLine*, t\_int32 *mCoord*, bool & *doSkip*) [protected]**

Definition at line 589 of file gHtmlSeq.cpp.

**Referenced by thisBuild().int gHSeq::thisLineSubBlockCoord (int *hLine*, t\_int32 *startCoord*, t\_int32 & *fCoord*, bool & *doSkip*) [protected]**

Definition at line 595 of file gHtmlSeq.cpp.

Referenced by thisBuild(), and thisLineSubBlock().

---

## Member Data Documentation

**gURI gHSeq::baseURI [protected]**

Definition at line 124 of file gHtmlSeq.h.

**Referenced by GetURL(), and SetBaseHRef().FILE\* gHSeq::fRepErr**

**Definition at line 106 of file gHtmlSeq.h.gHTree gHSeq::hTree**

Definition at line 107 of file gHtmlSeq.h.

**Referenced by Build(), gHtmlParser::ShowTree(), thisAppendNormal(), and thisAppendTree().t\_int32 gHSeq::iCoordStt [protected]**

Definition at line 125 of file gHtmlSeq.h.

**Referenced by thisBuild(), and thisCheck().t\_int32 gHSeq::nCoords [protected]**

Definition at line 125 of file gHtmlSeq.h.

**Referenced by Build(), thisBuild(), thisCheck(), and thisLineSubBlockCoord().gTagCoord\* gHSeq::pTagCoords [protected]**

Definition at line 126 of file gHtmlSeq.h.

**Referenced by Build(), thisBuild(), thisCheck(), thisLineSubBlockCoord(), and ~gHSeq().gString gHSeq::sBaseHRef [protected]**

Definition at line 122 of file gHtmlSeq.h.

**Referenced by GetURL(), and SetBaseHRef().gString gHSeq::sOut [protected]**

Definition at line 123 of file gHtmlSeq.h.

Referenced by GetURL().

---

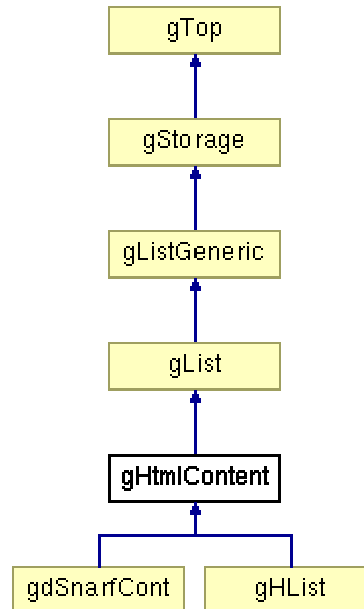
The documentation for this class was generated from the following files:

- **gHtmlSeq.h**
- **gHtmlSeq.cpp**

## gHtmlContent Class Reference

gHtmlContentgHtmlContent#include <gHtmlParser.h>

Inheritance diagram for gHtmlContent:



### Public Member Functions

- **gHtmlContent** ()
- virtual **~gHtmlContent** ()
- virtual **gHtmlCouple** \* **GetCouple** (unsigned idx)
- virtual char \* **Str** (unsigned idx)
- unsigned **Add** (char \*s)
- virtual int **UpCaseAttributes** (char \*strTag, **gString** &sRes)
- virtual **gHtmlOpt** & **GetHtmlOpt** ()
- virtual bool **SetHtmlOpt** (**gHtmlOpt** \*pHtmlOpt)
- virtual int **TagError** (unsigned lineNr, int error, char \*sLine, char \*sShortMsg)
- virtual void **Show** (bool doShowAll=true)

### Protected Member Functions

- int **thisAddHmtlLine** (unsigned lineNr, char \*s)
- int **thisAddHtmlText** (unsigned lineNr, char \*sText)
- int **thisAddHtmlTag** (unsigned lineNr, char \*strTag, bool isEndTag)
- int **thisAddCouple** (**gHtmlCouple** \*pCouple, **gList** &oL)

### Protected Attributes

- unsigned **nLines**
- **gHtmlOpt** \* **theHtmlOpt**

---

### Constructor & Destructor Documentation

**gHtmlContent::gHtmlContent** ()

**Definition at line 630 of file gHtmlParser.cpp.gHtmlContent::~gHtmlContent ()**  
[virtual]

Definition at line 636 of file gHtmlParser.cpp.

---

## Member Function Documentation

**unsigned gHtmlContent::Add (char \* s)**

Reimplemented from **gList** (p.236).Reimplemented in **gdSnarfCont** (p.62).

Definition at line 657 of file gHtmlParser.cpp.

**Referenced by gdSnarfCont::Add(), and gHtmlParser::thisFillFromUnweb().gHtmlCouple \* gHtmlContent::GetCouple (unsigned idx) [virtual]**

Reimplemented in **gHList** (p.163).

Definition at line 640 of file gHtmlParser.cpp.

**Referenced by gHList::GetCouple(), gdSnarfCont::GetOCouple(), Str(), gdSnarfCont::Str(), and gHtmlParser::thisParse().gHtmlOpt & gHtmlContent::GetHtmlOpt () [virtual]**

Definition at line 761 of file gHtmlParser.cpp.

**Referenced by UpCaseAttributes().bool gHtmlContent::SetHtmlOpt (gHtmlOpt \* pHtmlOpt) [virtual]**

Definition at line 767 of file gHtmlParser.cpp.

**Referenced by gdSnarfCont::gdSnarfCont(), and gHtmlParser::SetOptions().void gHtmlContent::Show (bool doShowAll = true) [virtual]**

Reimplemented from **gList** (p.238).

**Definition at line 785 of file gHtmlParser.cpp.char \* gHtmlContent::Str (unsigned idx) [virtual]**

Reimplemented from **gListGeneric** (p.245).Reimplemented in **gdSnarfCont** (p.63).

Definition at line 649 of file gHtmlParser.cpp.

**Referenced by gHSeq::ShowPart(), and gHtmlParser::thisParse().int gHtmlContent::TagError (unsigned lineNr, int error, char \* sLine, char \* sShortMsg) [virtual]**

Definition at line 772 of file gHtmlParser.cpp.

**Referenced by thisAddHtmlTag().int gHtmlContent::thisAddCouple (gHtmlCouple \* pCouple, gList & oL) [protected]**

Definition at line 857 of file gHtmlParser.cpp.

**Referenced by thisAddHtmlTag(), and thisAddHtmlText().int**  
**gHtmlContent::thisAddHmtlLine (unsigned *lineNr*, char \* *s*) [protected]**

Definition at line 795 of file gHtmlParser.cpp.

**Referenced by Add().int gHtmlContent::thisAddHtmlTag (unsigned *lineNr*, char \* *strTag*, bool *isEndTag*) [protected]**

Definition at line 825 of file gHtmlParser.cpp.

**Referenced by thisAddHmtlLine().int gHtmlContent::thisAddHtmlText (unsigned *lineNr*, char \* *sText*) [protected]**

Definition at line 815 of file gHtmlParser.cpp.

**Referenced by thisAddHmtlLine().int gHtmlContent::UpCaseAttributes (char \* *strTag*, gString & *sRes*) [virtual]**

Definition at line 665 of file gHtmlParser.cpp.

Referenced by thisAddHtmlTag().

---

## Member Data Documentation

**unsigned gHtmlContent::nLines [protected]**

Definition at line 207 of file gHtmlParser.h.

**Referenced by Add().gHtmlOpt\* gHtmlContent::theHtmlOpt [protected]**

Definition at line 208 of file gHtmlParser.h.

Referenced by GetHtmlOpt(), SetHtmlOpt(), and gdSnarfCont::~gdSnarfCont().

---

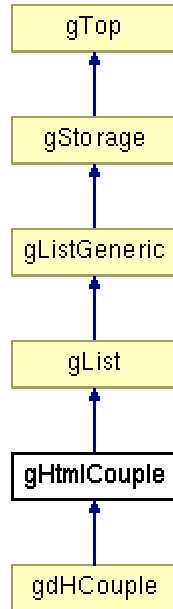
The documentation for this class was generated from the following files:

- **gHtmlParser.h**
- **gHtmlParser.cpp**

## gHtmlCouple Class Reference

gHtmlCouple gHtmlCouple#include <gHtmlParser.h>

Inheritance diagram for gHtmlCouple:



### Public Member Functions

- **gHtmlCouple** (unsigned lineNr, char \*sText)
- **gHtmlCouple** (unsigned lineNr, char \*strTag, char \*sAttrLst, bool doAddSkippedTags=true)
- virtual ~**gHtmlCouple** ()
- virtual bool **IsOk** ()
- virtual bool **IsText** ()
- virtual bool **IsTagEnd** ()
- virtual bool **IsAnchor** ()
- virtual bool **IsSkippedTag** ()
- virtual char \* **GetStr** ()
- virtual char \* **GetStrForTree** ()
- virtual **gString & TagString** (bool forceEnd=false)
- virtual char \* **GetHRef** ()
- unsigned **Add** (char \*s)
- unsigned **Add** (gString &copy)
- virtual unsigned **AddText** (char \*s)
- virtual unsigned **AddTag** (char \*strTag)
- virtual void **CopyTag** (gHtmlCouple &copy)

### Public Attributes

- unsigned **iLine**
- t\_int16 **idTag**
- t\_int16 **idEndTag**
- gString **sTag**
- gHtmlString \* **pHStr**
- sHtmlElement \* **pElem**
- gHAttrList **attrL**
- int **synError**
- t\_int16 **coupleId**
- t\_int16 **theDocType**

- `gHtmlCouple * oCouple`
- `gTagCoord tcoord`

#### Protected Attributes

- `gString sTagStr`
- `gString sWholeTag`
- `gString sKeepStr`

---

#### Constructor & Destructor Documentation

**`gHtmlCouple::gHtmlCouple (unsigned lineNr, char * sText)`**

**Definition at line 468 of file `gHtmlParser.cpp`.**  
**`gHtmlCouple::gHtmlCouple (unsigned lineNr, char * strTag, char * sAttrLst, bool doAddSkippedTags = true)`**

**Definition at line 482 of file `gHtmlParser.cpp`.**  
**`gHtmlCouple::~gHtmlCouple ()`**  
**[virtual]**

Definition at line 504 of file `gHtmlParser.cpp`.

---

#### Member Function Documentation

**`unsigned gHtmlCouple::Add (gString & copy)`**

Reimplemented from `gList` (*p.236*).

**Definition at line 593 of file `gHtmlParser.cpp`.**  
**`unsigned gHtmlCouple::Add (char * s)`**

Reimplemented from `gList` (*p.236*).

Definition at line 586 of file `gHtmlParser.cpp`.

**Referenced by `Add()`, `AddText()`, `gHList::AppendCouple()`, and `gHtmlCouple().unsigned gHtmlCouple::AddTag (char * strTag)`** [virtual]

Definition at line 609 of file `gHtmlParser.cpp`.

**Referenced by `gHtmlCouple().unsigned gHtmlCouple::AddText (char * s)`** [virtual]

Definition at line 598 of file `gHtmlParser.cpp`.

**Referenced by `CopyTag()`, and `gHtmlCouple().virtual void gHtmlCouple::CopyTag (gHtmlCouple & copy)`** [inline, virtual]

Definition at line 161 of file `gHtmlParser.h`.

**Referenced by `gHList::AppendCouple()`, and `gHParsed::thisPush().char * gHtmlCouple::GetHRef ()`** [virtual]

Reimplemented in `gdHCouple` (*p.42*).

**Definition at line 579 of file gHtmlParser.cpp.char \* gHtmlCouple::GetStr () [virtual]**

Reimplemented in **gdHCouple** (p.42).

Definition at line 516 of file gHtmlParser.cpp.

**Referenced by gHtmlContent::Str(), gdSnarfCont::Str(), gHParsed::StrMust(), gHSeq::thisBuild(), gHSeq::thisCheck(), and gHtmlParser::thisParse().char \* gHtmlCouple::GetStrForTree () [virtual]**

Definition at line 540 of file gHtmlParser.cpp.

**Referenced by gHTree::thisShowNode().virtual bool gHtmlCouple::IsAnchor () [inline, virtual]**

Definition at line 142 of file gHtmlParser.h.

**Referenced by GetHRef(), and gdTxtCouple::Show().bool gHtmlCouple::IsOk () [virtual]**

Reimplemented from **gStorage** (p.275).Reimplemented in **gdHCouple** (p.42).

Definition at line 510 of file gHtmlParser.cpp.

**Referenced by gdHCouple::IsOk(), and gHSeq::thisCheck().virtual bool gHtmlCouple::IsSkippedTag () [inline, virtual]**

Definition at line 145 of file gHtmlParser.h.

**Referenced by gHtmlParser::thisParse().virtual bool gHtmlCouple::IsTagEnd () [inline, virtual]**

Definition at line 139 of file gHtmlParser.h.

**Referenced by gdSnarfCont::Add(), GetHRef(), GetStr(), gdHCouple::GetStr(), GetStrForTree(), TagString(), gHSeq::thisBuild(), and gHSeq::thisCheck().virtual bool gHtmlCouple::IsText () [inline, virtual]**

Definition at line 136 of file gHtmlParser.h.

**Referenced by gdSnarfCont::Add(), CopyTag(), GetHRef(), GetStr(), gdHCouple::GetStr(), GetStrForTree(), IsOk(), gHNode::IsTag(), gdTxtCouple::Show(), TagString(), gHSeq::thisBuild(), gHSeq::thisCheck(), and gHtmlParser::thisParse().gString & gHtmlCouple::TagString (bool forceEnd = false) [virtual]**

Definition at line 568 of file gHtmlParser.cpp.

Referenced by **gdHCouple::TagStr()**, and **gHtmlParser::thisParse()**.

---

## Member Data Documentation

**gHAttrList gHtmlCouple::attrL**

Definition at line 126 of file gHtmlParser.h.

**Referenced by** gdSnarfCont::Add(), gHList::AppendCouple(), CopyTag(), GetHRef(), GetStr(), GetStrForTree(), gHtmlCouple(), gdTxtCouple::Show(), gHtmlContent::thisAddHtmlTag(), and gHtmlParser::thisParse().t\_int16 gHtmlCouple::coupleId

Definition at line 128 of file gHtmlParser.h.

**Referenced by** CopyTag().t\_int16 gHtmlCouple::idEndTag

Definition at line 122 of file gHtmlParser.h.

**Referenced by** CopyTag(), IsTagEnd(), gHtmlContent::thisAddHtmlTag(), and gdHCouple::thisInitTag().t\_int16 gHtmlCouple::idTag

Definition at line 121 of file gHtmlParser.h.

**Referenced by** gdSnarfCont::Add(), CopyTag(), gHParsed::FindCouple(), gdHCouple::GetHRef(), IsAnchor(), IsOk(), IsText(), gHParsed::PopTag(), gHParsed::PushTag(), gdTxtCouple::Show(), gHSeq::thisBuild(), gHSeq::thisCheck(), gdHCouple::thisInitTag(), and gHtmlParser::thisParse().unsigned gHtmlCouple::iLine

Definition at line 120 of file gHtmlParser.h.

**Referenced by** gHList::AppendCouple(), gdHCouple::CopyNormalizeAttr(), gdTxtCouple::Show(), gHtmlParser::thisParse(), and gHParsed::thisPush().gHtmlCouple\* gHtmlCouple::oCouple

Definition at line 131 of file gHtmlParser.h.

**Referenced by** gdSnarfCont::Add(), gdSnarfCont::GetOCouple(), gdSnarfCont::Str(), and ~gHtmlCouple().sHtmlElement\* gHtmlCouple::pElem

Definition at line 125 of file gHtmlParser.h.

**Referenced by** gdSnarfCont::Add(), CopyTag(), IsOk(), gHSeq::thisCheck(), gdHCouple::thisInitTag(), and gHtmlParser::thisParse().gHtmlString\* gHtmlCouple::pHStr

Definition at line 124 of file gHtmlParser.h.

**Referenced by** AddText(), GetStr(), gdHCouple::GetStr(), GetStrForTree(), gHtmlParser::thisParse(), and ~gHtmlCouple().gString gHtmlCouple::sKeepStr [protected]

Definition at line 177 of file gHtmlParser.h.

**Referenced by** GetStrForTree().gString gHtmlCouple::sTag

Definition at line 123 of file gHtmlParser.h.

**Referenced by** gdSnarfCont::Add(), AddTag(), gHList::AppendCouple(), CopyTag(), GetStr(), gdHCouple::GetStr(), GetStrForTree(), TagString(), gdHCouple::thisInitTag(), gHtmlParser::thisParse(), and gHParsed::thisPush().gString gHtmlCouple::sTagStr [protected]

Definition at line 175 of file gHtmlParser.h.

**Referenced by** TagString().gString gHtmlCouple::sWholeTag [protected]

Definition at line 176 of file gHtmlParser.h.

**Referenced by** GetStr(), gdHCouple::GetStr(), and GetStrForTree().int gHtmlCouple::synError

Definition at line 127 of file gHtmlParser.h.

**Referenced by** gdSnarfCont::Add(), AddTag(), CopyTag(), gHtmlCouple(), IsOk(), IsSkippedTag(), gHSeq::thisCheck(), and gHtmlParser::thisParse().gTagCoord gHtmlCouple::tcoord

**Definition at line 132 of file** gHtmlParser.h.t\_int16 gHtmlCouple::theDocType

Definition at line 129 of file gHtmlParser.h.

Referenced by AddTag(), CopyTag(), and gHtmlParser::thisParse().

---

The documentation for this class was generated from the following files:

- **gHtmlParser.h**
- **gHtmlParser.cpp**

## gHtmlCtrl Class Reference

gHtmlCtrlgHtmlCtrl#include <gHtmlCtrl.h>

### Public Member Functions

- virtual ~gHtmlCtrl ()
- virtual gHtmlParser \* ParserPtr ()
- virtual int Init ()
- virtual void ReleaseHash ()

### Static Public Member Functions

- static gHtmlCtrl & Self ()

### Public Attributes

- gHtmlLog hLog

### Protected Member Functions

- gHtmlCtrl ()

---

### Constructor & Destructor Documentation

**gHtmlCtrl::~gHtmlCtrl ()** [virtual]

**Definition at line 11 of file gHtmlCtrl.cpp.**gHtmlCtrl::gHtmlCtrl () [protected]

Definition at line 7 of file gHtmlCtrl.cpp.

---

### Member Function Documentation

**int gHtmlCtrl::Init ()** [virtual]

Definition at line 15 of file gHtmlCtrl.cpp.

**Referenced by ParserPtr().**virtual gHtmlParser\* gHtmlCtrl::ParserPtr () [inline, virtual]

**Definition at line 56 of file gHtmlCtrl.h.**void gHtmlCtrl::ReleaseHash () [virtual]

**Definition at line 24 of file gHtmlCtrl.cpp.**static gHtmlCtrl& gHtmlCtrl::Self () [inline, static]

Definition at line 49 of file gHtmlCtrl.h.

Referenced by gHAttrs::BuildFromLRLists(), sAttrsTagNorm::CopyDefaultAttrNorms(), gHOutOpt::CopyDefaultAttrs(), gdHCouple::CopyNormalizeAttr(), gdHCouple::FindTagIdx(), gdHCouple::GetTagElement(), gHOutOpt::thisConfig(), gHOutOpt::thisHasTidy(), gHOutOpt::thisHasTidyAttr(), and gHAttrs::TypeName2HAttrType().

---

## Member Data Documentation

### **gHtmlLog gHtmlCtrl::hLog**

Definition at line 53 of file gHtmlCtrl.h.

---

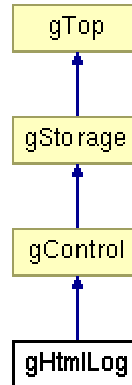
The documentation for this class was generated from the following files:

- **gHtmlCtrl.h**
- **gHtmlCtrl.cpp**

## gHtmlLog Class Reference

gHtmlLoggHtmlLog#include <gHtmlLog.h>

Inheritance diagram for gHtmlLog:



### Public Member Functions

- gHtmlLog ()
- virtual ~gHtmlLog ()

### Public Attributes

- FILE \* fRepErr

---

### Constructor & Destructor Documentation

**gHtmlLog::gHtmlLog ()**

**Definition at line 3 of file gHtmlLog.cpp.gHtmlLog::~gHtmlLog () [virtual]**

Definition at line 8 of file gHtmlLog.cpp.

---

### Member Data Documentation

**FILE\* gHtmlLog::fRepErr**

Definition at line 12 of file gHtmlLog.h.

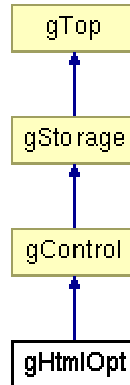
The documentation for this class was generated from the following files:

- gHtmlLog.h
- gHtmlLog.cpp

## gHtmlOpt Class Reference

gHtmlOptgHtmlOpt#include <gHtmlOpt.h>

Inheritance diagram for gHtmlOpt:



### Public Member Functions

- **gHtmlOpt** ()
- virtual **~gHtmlOpt** ()
- virtual bool **DoBaseHRef** ()
- virtual char \* **GetBaseHRef** ()
- virtual bool **AddIdTagOptEnd** (t\_int16 id)
- void **CopyOptions** (gHtmlOpt &copy)

### Public Attributes

- gString sBaseHREF
- gSwitch oErrStateAllSuppress
- gSwitch oErrStateSuppress [10]
- gSwitch oErrInvTagWrite
- gList lIdTagOptEnd
- sHOutFormat outFmt
- gHInOpt inOpt
- gHOutOpt outOpt

### Protected Attributes

- gString sStrAux

---

### Constructor & Destructor Documentation

**gHtmlOpt::gHtmlOpt** ()

Definition at line 504 of file gHtmlOpt.cpp.**gHtmlOpt::~gHtmlOpt** () [virtual]

Definition at line 509 of file gHtmlOpt.cpp.

---

### Member Function Documentation

virtual bool **gHtmlOpt::AddIdTagOptEnd** (t\_int16 id) [inline, virtual]

**Definition at line 229 of file gHtmlOpt.h.**  
**void gHtmlOpt::CopyOptions (gHtmlOpt & copy)**

Definition at line 524 of file gHtmlOpt.cpp.

**Referenced by gHtmlParser::SetOptions().**  
**virtual bool gHtmlOpt::DoBaseHRef ()**  
**[inline, virtual]**

Definition at line 223 of file gHtmlOpt.h.

**Referenced by gHtmlParser::thisParse().**  
**char \* gHtmlOpt::GetBaseHRef ()** **[virtual]**

Definition at line 513 of file gHtmlOpt.cpp.  
Referenced by gHtmlParser::thisParse().

---

## Member Data Documentation

**gHlnOpt gHtmlOpt::inOpt**

**Definition at line 219 of file gHtmlOpt.h.**  
**gList gHtmlOpt::lIdTagOptEnd**

Definition at line 216 of file gHtmlOpt.h.

**Referenced by AddlIdTagOptEnd(), CopyOptions(), and**  
**gHtmlParser::SetOptions().**  
**gSwitch gHtmlOpt::oErrInvTagWrite**

Definition at line 215 of file gHtmlOpt.h.

**Referenced by gHtmlParser::thisParse().**  
**gSwitch gHtmlOpt::oErrStateAllSuppress**

Definition at line 213 of file gHtmlOpt.h.

**Referenced by CopyOptions().**  
**gSwitch gHtmlOpt::oErrStateSuppress[10]**

Definition at line 214 of file gHtmlOpt.h.

**Referenced by CopyOptions().**  
**sHOutFormat gHtmlOpt::outFmt**

Definition at line 218 of file gHtmlOpt.h.

**Referenced by CopyOptions(), and gHSeq::ShowPart().**  
**gHOutOpt gHtmlOpt::outOpt**

Definition at line 220 of file gHtmlOpt.h.

**Referenced by gdHCouple::CopyNormalizeAttr(), CopyOptions(),**  
**gdSnarfCont::gdSnarfCont(), and gHtmlParser::thisParse().**  
**gString gHtmlOpt::sBaseHREF**

Definition at line 212 of file gHtmlOpt.h.

**Referenced by CopyOptions(), DoBaseHRef(), and GetBaseHRef().gString  
gHtmlOpt::sStrAux [protected]**

Definition at line 238 of file gHtmlOpt.h.

Referenced by GetBaseHRef().

---

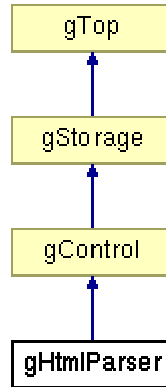
The documentation for this class was generated from the following files:

- **gHtmlOpt.h**
- **gHtmlOpt.cpp**

## gHtmlParser Class Reference

gHtmlParsergHtmlParser#include <gHtmlParser.h>

Inheritance diagram for gHtmlParser:



### Public Member Functions

- **gHtmlParser** (gUnweb \*ptrUnweb)
- virtual ~gHtmlParser ()
- virtual **t\_int16** GetTagMaxId ()
- virtual **sHtmlElement** \* GetTagElement (t\_int16 idxTag)
- virtual **sHtmlElement** \* FindTag (char \*strTag)
- virtual int FindTagIdx (char \*strTag, t\_int16 &idxTag)
- virtual **sAttrDef** \* GetAttrDef (t\_int16 idxAttr)
- virtual **sAttrRefer** \* GetAttrRef ()
- virtual **sAttrNorm** \* GetDefaultAttrNorm (t\_int16 idxNorm)
- virtual **t\_int16** GetNAttrType ()
- virtual **sHAttrType** \* GetAttrType (t\_int16 idxType)
- virtual void ReleaseHash ()
- virtual bool SetOptions (gHtmlOpt &copy)
- virtual int Parse (FILE \*fRepErr)
- virtual int SetError (int opError)
- virtual int SetWarn (int opError)
- int ShowTree (FILE \*fRepErr)
- int Show\_dbg (bool doShowAll=true)

### Public Attributes

- **gFileOut** fOutAll
- **t\_int16** docType
- int nErrorsSyntax
- int nErrorsOther
- int nWarnings
- int lastWarnOpCode
- **gHtmlOpt** htmlOpt
- **gList** lOut
- **gHList** lParts [e\_HS\_Last]

### Protected Member Functions

- int thisFillFromUnweb (gUnweb &unweb, gHtmlContent &hInput)
- **sHtmlElement** \* thisFindTag (char \*strTag, t\_int16 &idxTag)
- int thisParse (FILE \*fRepErr)

### Protected Attributes

- `gString myBaseHref`
  - `gUnweb * pUnweb`
  - `gHtmlContent htmlInput`
- 

### Constructor & Destructor Documentation

**`gHtmlParser::gHtmlParser (gUnweb * ptrUnweb)`**

**Definition at line 1035 of file `gHtmlParser.cpp`.**  
**`gHtmlParser::~gHtmlParser ()`**  
**`[virtual]`**

Definition at line 1047 of file `gHtmlParser.cpp`.

---

### Member Function Documentation

**`virtual sHtmlElement* gHtmlParser::FindTag (char * strTag)`** `[inline, virtual]`

**Definition at line 316 of file `gHtmlParser.h`.**  
**`virtual int gHtmlParser::FindTagIdx (char * strTag, t_int16 & idxTag)`** `[inline, virtual]`

**Definition at line 321 of file `gHtmlParser.h`.**  
**`sAttrDef * gHtmlParser::GetAttrDef (t_int16 idxAttr)`** `[virtual]`

Definition at line 1057 of file `gHtmlParser.cpp`.

**Referenced by `gHAttrs::BuildFromLRLists()`, and `gdHCouple::CopyNormalizeAttr().sAttrRefer * gHtmlParser::GetAttrRef ()`** `[virtual]`

Definition at line 1064 of file `gHtmlParser.cpp`.

**Referenced by `gHAttrs::BuildFromLRLists()`, and `gdHCouple::CopyNormalizeAttr().sAttrType * gHtmlParser::GetAttrType (t_int16 idxType)`** `[virtual]`

Definition at line 1076 of file `gHtmlParser.cpp`.

**Referenced by `gHAttrs::TypeName2HAttrType().sAttrNorm * gHtmlParser::GetDefaultAttrNorm (t_int16 idxNorm)`** `[virtual]`

**Definition at line 1070 of file `gHtmlParser.cpp`.**  
**`virtual t_int16 gHtmlParser::GetNAttrType ()`** `[inline, virtual]`

Definition at line 334 of file `gHtmlParser.h`.

Referenced by `GetAttrType()`, and `gHAttrs::TypeName2HAttrType().sHtmlElement * gHtmlParser::GetTagElement (t_int16 idxTag)` [virtual]

Definition at line 1051 of file `gHtmlParser.cpp`. virtual t\_int16 gHtmlParser::GetTagMaxId () [inline, virtual]

Definition at line 310 of file `gHtmlParser.h`. int gHtmlParser::Parse (FILE \* fRepErr) [virtual]

Definition at line 1118 of file `gHtmlParser.cpp`. void gHtmlParser::ReleaseHash () [virtual]

Definition at line 1083 of file `gHtmlParser.cpp`.

Referenced by `gHtmlCtrl::ReleaseHash()`. int gHtmlParser::SetError (int opError) [virtual]

Reimplemented from `gControl` (p.30).

Definition at line 1125 of file `gHtmlParser.cpp`. bool gHtmlParser::SetOptions (gHtmlOpt & copy) [virtual]

Definition at line 1098 of file `gHtmlParser.cpp`. int gHtmlParser::SetWarn (int opError) [virtual]

Definition at line 1133 of file `gHtmlParser.cpp`.

Referenced by `thisParse()`. int gHtmlParser::Show\_dbg (bool doShowAll = true)

int gHtmlParser::ShowTree (FILE \* fRepErr)

Definition at line 1142 of file `gHtmlParser.cpp`. int gHtmlParser::thisFillFromUnweb (gUnweb & unweb, gHtmlContent & hInput) [protected]

Definition at line 1220 of file `gHtmlParser.cpp`.

Referenced by `thisParse()`. sHtmlElement \* gHtmlParser::thisFindTag (char \* strTag, t\_int16 & idxTag) [protected]

Definition at line 1230 of file `gHtmlParser.cpp`.

Referenced by `FindTag()`, `FindTagIdx()`, and `thisParse()`. int gHtmlParser::thisParse (FILE \* fRepErr) [protected]

Definition at line 1375 of file `gHtmlParser.cpp`.

Referenced by `Parse()`.

---

## Member Data Documentation

### **t\_int16 gHtmlParser::docType**

Definition at line 300 of file gHtmlParser.h.

### **Referenced by thisParse().gFileOut gHtmlParser::fOutAll**

### **Definition at line 299 of file gHtmlParser.h.gHtmlContent gHtmlParser::htmlInput [protected]**

Definition at line 356 of file gHtmlParser.h.

### **Referenced by SetOptions(), and thisParse().gHtmlOpt gHtmlParser::htmlOpt**

Definition at line 305 of file gHtmlParser.h.

### **Referenced by gdHCouple::CopyNormalizeAttr(), SetOptions(), ShowTree(), and thisParse().int gHtmlParser::lastWarnOpCode**

Definition at line 304 of file gHtmlParser.h.

### **Referenced by SetWarn(), and thisParse().gList gHtmlParser::lOut**

### **Definition at line 306 of file gHtmlParser.h.gHList gHtmlParser::lParts[e\_HS\_Last]**

Definition at line 307 of file gHtmlParser.h.

### **Referenced by ShowTree().gString gHtmlParser::myBaseHRef [protected]**

Definition at line 354 of file gHtmlParser.h.

### **Referenced by ShowTree(), and thisParse().int gHtmlParser::nErrorsOther**

Definition at line 302 of file gHtmlParser.h.

### **Referenced by thisParse().int gHtmlParser::nErrorsSyntax**

Definition at line 301 of file gHtmlParser.h.

### **Referenced by thisParse().int gHtmlParser::nWarnings**

Definition at line 303 of file gHtmlParser.h.

### **Referenced by SetWarn().gUnweb\* gHtmlParser::pUnweb [protected]**

Definition at line 355 of file gHtmlParser.h.

Referenced by thisParse().

---

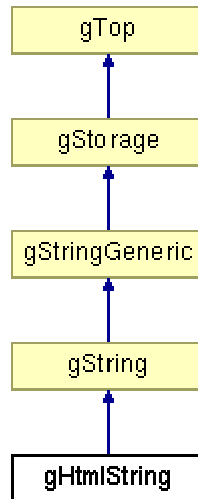
The documentation for this class was generated from the following files:

- **gHtmlParser.h**
- **gHtmlParser.cpp**

## gHtmlString Class Reference

gHtmlStringgHtmlString#include <gdNetStrings.h>

Inheritance diagram for gHtmlString:



### Public Member Functions

- **gHtmlString** (char \*s=nil, bool aIgnoreAmp=false)
- virtual ~**gHtmlString** ()
- virtual bool **IsOk** ()
- virtual char \* **AsciiToString** (t\_uchar v)
- virtual int **ConvertToHString** (char \*s)
- virtual int **ConvertAmpToAscii** (char \*s, gString &sResult)
- virtual int **ConvertHToAscii** (char \*sAmp, t\_uchar &cRes)

### Public Attributes

- int **lastOpError**
- bool **doIgnoreAmp**

### Protected Member Functions

- int **thisConvertToHStringIgnoreAmp** (char \*s)
- char \* **thisSymbolString** (t\_uint32 val)
- char \* **thisFindSymbolISO** (short tblIdx, t\_uint32 val, unsigned nEntries, unsigned &idx)
- int **thisConvertHToAscii** (gString &s, short &tblIdx, unsigned &idx, t\_uchar &cRes)
- char \* **thisStrSymbolAmp** (char \*s)

### Static Protected Attributes

- static unsigned **nTblSymUsu** = 0
- static t\_uint32 **vTblSymUsuMin** = 0
- static unsigned **nTblSymIsoLatin1** = 0
- static t\_uint32 **vTblSymIsoL1Min** = 0
- static t\_uint32 **vTblSymIsoL1Max** = 0
- static sHtmlEntSymbol **tblSymUsu** [191-160+10]
- static sHtmlEntSymbol **tblSymIsoLatin1** [255-198+30]

## Constructor & Destructor Documentation

**gHtmlString::gHtmlString (char \* s = nil, bool *alignoreAmp* = false)**

**Definition at line 115 of file gdNetStrings.cpp.gHtmlString::~gHtmlString () [virtual]**

Definition at line 123 of file gdNetStrings.cpp.

---

## Member Function Documentation

**char \* gHtmlString::AsciiToString (t\_uchar v) [virtual]**

Definition at line 127 of file gdNetStrings.cpp.

**Referenced by thisConvertToHStringIgnoreAmp().int gHtmlString::ConvertAmpToAscii (char \* s, gString & sResult) [virtual]**

Definition at line 182 of file gdNetStrings.cpp.

**Referenced by ConvertToHString().int gHtmlString::ConvertHToAscii (char \* sAmp, t\_uchar & cRes) [virtual]**

Definition at line 212 of file gdNetStrings.cpp.

**Referenced by ConvertAmpToAscii().int gHtmlString::ConvertToHString (char \* s) [virtual]**

Definition at line 156 of file gdNetStrings.cpp.

**Referenced by gHtmlString().virtual bool gHtmlString::IsOk () [inline, virtual]**

Reimplemented from gStorage (p.275).

Definition at line 25 of file gdNetStrings.h.

**Referenced by gHtmlCouple::AddText(), and gHtmlParser::thisParse().int gHtmlString::thisConvertHToAscii (gString & s, short & tbIdx, unsigned & idx, t\_uchar & cRes) [protected]**

Definition at line 284 of file gdNetStrings.cpp.

**Referenced by ConvertHToAscii().int gHtmlString::thisConvertToHStringIgnoreAmp (char \* s) [protected]**

Definition at line 230 of file gdNetStrings.cpp.

**Referenced by ConvertToHString().char \* gHtmlString::thisFindSymbolISO (short tbIdx, t\_uint32 val, unsigned nEntries, unsigned & idx) [protected]**

Definition at line 268 of file gdNetStrings.cpp.

**Referenced by thisSymbolString().char \* gHtmlString::thisStrSymbolAmp (char \* s) [protected]**

Definition at line 330 of file gdNetStrings.cpp.

**Referenced by AsciiToString(), and thisSymbolString().char \* gHtmlString::thisSymbolString (t\_uint32 val) [protected]**

Definition at line 247 of file gdNetStrings.cpp.

Referenced by AsciiToString().

---

## Member Data Documentation

**bool gHtmlString::dolgnoreAmp**

Definition at line 22 of file gdNetStrings.h.

**Referenced by ConvertToHString().int gHtmlString::lastOpError**

Definition at line 21 of file gdNetStrings.h.

**Referenced by AsciiToString(), ConvertToHString(), IsOk(), thisConvertToHStringIgnoreAmp(), thisStrSymbolAmp(), and thisSymbolString().unsigned gHtmlString::nTbISymIsoLatin1 = 0 [static, protected]**

Definition at line 11 of file gdNetStrings.cpp.

**Referenced by thisConvertHToAscii(), and thisSymbolString().unsigned gHtmlString::nTbISymUsu = 0 [static, protected]**

Definition at line 9 of file gdNetStrings.cpp.

**Referenced by thisConvertHToAscii(), and thisSymbolString().sHtmlEntSymbol gHtmlString::tbISymIsoLatin1 [static, protected]**

Definition at line 50 of file gdNetStrings.cpp.

**Referenced by thisConvertHToAscii(), and thisFindSymbolISO().sHtmlEntSymbol gHtmlString::tbISymUsu [static, protected]**

Definition at line 15 of file gdNetStrings.cpp.

**Referenced by thisConvertHToAscii(), and thisSymbolString().t\_uint32 gHtmlString::vTbISymIsoL1Max = 0 [static, protected]**

Definition at line 13 of file gdNetStrings.cpp.

**Referenced by thisSymbolString().t\_uint32 gHtmlString::vTblSymIsoL1Min = 0**  
**[static, protected]**

Definition at line 12 of file gdNetStrings.cpp.

**Referenced by thisSymbolString().t\_uint32 gHtmlString::vTblSymUsuMin = 0**  
**[static, protected]**

Definition at line 10 of file gdNetStrings.cpp.

Referenced by thisSymbolString().

---

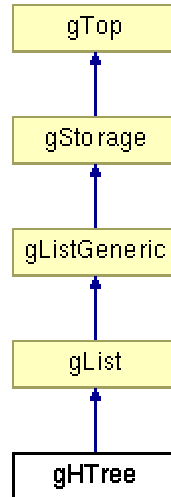
The documentation for this class was generated from the following files:

- **gdNetStrings.h**
- **gdNetStrings.cpp**

## gHTree Class Reference

gHTreegHTree#include <gHtmlSeq.h>

Inheritance diagram for gHTree:



### Public Member Functions

- **gHTree ()**
- virtual **~gHTree ()**
- virtual bool **IsEmpty ()**
- virtual **gHNode \* StartNode ()**
- virtual **gHNode \* GetLastNode ()**
- virtual void **Reset ()**
- virtual int **AppendCouplePtr (gHtmlCouple \*ptrCouple)**
- virtual int **AppendTreePtr (gHTree \*pTree)**
- virtual void **Show (bool doShowAll=true)**
- virtual void **ShowTree (bool doShowAll=true, int level=0)**

### Protected Member Functions

- int **thisAppendNode (gHNode \*newNode)**
- int **thisShowNode (gHNode \*pNode, bool doShowAll, int level)**

### Protected Attributes

- **gHNode \* pStart**
- **gHNode \* pEnd**

---

### Constructor & Destructor Documentation

**gHTree::gHTree ()**

**Definition at line 96 of file gHtmlSeq.cpp.gHTree::~gHTree () [virtual]**

Definition at line 102 of file gHtmlSeq.cpp.

---

## Member Function Documentation

**int gHtree::AppendCouplePtr (gHtmlCouple \* *ptrCouple*) [virtual]**

Definition at line 126 of file gHtmlSeq.cpp.

**Referenced by gHSeq::thisAppendNormal(), and gHSeq::thisBuild().int gHtree::AppendTreePtr (gHtree \* *pTree*) [virtual]**

Definition at line 145 of file gHtmlSeq.cpp.

**Referenced by gHSeq::thisAppendTree(), and gHSeq::thisBuild().gHNode \* gHtree::GetLastNode () [virtual]**

**Definition at line 107 of file gHtmlSeq.cpp.virtual bool gHtree::IsEmpty () [inline, virtual]**

Reimplemented from **gListGeneric** (*p.243*).

**Definition at line 70 of file gHtmlSeq.h.void gHtree::Reset () [virtual]**

Reimplemented from **gListGeneric** (*p.244*).

Definition at line 113 of file gHtmlSeq.cpp.

**Referenced by ~gHtree().void gHtree::Show (bool *doShowAll* = true) [virtual]**

Reimplemented from **gList** (*p.238*).

Definition at line 185 of file gHtmlSeq.cpp.

**Referenced by gHtmlParser::ShowTree().void gHtree::ShowTree (bool *doShowAll* = true, int *level* = 0) [virtual]**

Definition at line 192 of file gHtmlSeq.cpp.

**Referenced by Show().virtual gHNode\* gHtree::StartNode () [inline, virtual]**

**Definition at line 73 of file gHtmlSeq.h.int gHtree::thisAppendNode (gHNode \* *newNode*) [protected]**

Definition at line 154 of file gHtmlSeq.cpp.

**Referenced by AppendCouplePtr(), and AppendTreePtr().int gHtree::thisShowNode (gHNode \* *pNode*, bool *doShowAll*, int *level*) [protected]**

Definition at line 167 of file gHtmlSeq.cpp.

Referenced by ShowTree().

---

## Member Data Documentation

### **gHNode\* gHTree::pEnd** [protected]

Reimplemented from **gListGeneric** (*p.246*).

Definition at line 89 of file gHtmlSeq.h.

### **Referenced by GetLastNode(), Reset(), and thisAppendNode().gHNode\* gHTree::pStart** [protected]

Reimplemented from **gListGeneric** (*p.246*).

Definition at line 88 of file gHtmlSeq.h.

Referenced by IsEmpty(), Reset(), ShowTree(), StartNode(), and thisAppendNode().

---

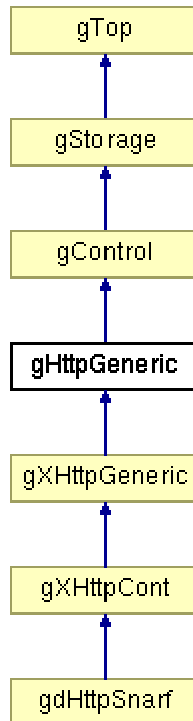
The documentation for this class was generated from the following files:

- **gHtmlSeq.h**
- **gHtmlSeq.cpp**

## gHttpGeneric Class Reference

gHttpGenericgHttpGeneric#include <ghttp.h>

Inheritance diagram for gHttpGeneric:



### Public Types

- enum eContentImport { e\_Binary, e\_TextPlain }
- enum eContentMethod { e\_Get, e\_Post }

### Public Member Functions

- virtual ~gHttpGeneric ()
- virtual gBigBuffer & GetBuffer ()
- virtual gUCharBuffer & GetBaseBuffer ()
- virtual bool GetContent (eContentMethod method, gString &sHost, gString &sPath, gString &sReply)=0

### Protected Member Functions

- gHttpGeneric (gTcpConnect &connection)

### Protected Attributes

- gTcpConnect \* pConnection

---

## Member Enumeration Documentation

enum gHttpGeneric::eContentImport

Enumeration values:

*e\_Binary*  
*e\_TextPlain*

## Definition at line 239 of file ghttp.h.enum gHttpGeneric::eContentMethod

Enumeration values:

*e\_Get*  
*e\_Post*

Definition at line 244 of file ghttp.h.

---

## Constructor & Destructor Documentation

**gHttpGeneric::~gHttpGeneric ()** [virtual]

**Definition at line 436 of file ghttp.cpp.gHttpGeneric::gHttpGeneric (gTcpConnect & connection)** [protected]

Definition at line 431 of file ghttp.cpp.

---

## Member Function Documentation

**gUCharBuffer & gHttpGeneric::GetBaseBuffer ()** [virtual]

Reimplemented in **gXHttpGeneric** (p.351).

**Definition at line 440 of file ghttp.cpp.gBigBuffer & gHttpGeneric::GetBuffer ()** [virtual]

Reimplemented in **gXHttpGeneric** (p.352).

Definition at line 448 of file ghttp.cpp.

**Referenced by GetBaseBuffer().virtual bool gHttpGeneric::GetContent (eContentMethod *method*, gString & *sHost*, gString & *sPath*, gString & *sReply*)** [pure virtual]

Implemented in **gXHttpGeneric** (p.352), and **gXHttpCont** (p.348).

---

## Member Data Documentation

**gTcpConnect\* gHttpGeneric::pConnection** [protected]

Definition at line 261 of file ghttp.h.

Referenced by **gXHttpGeneric::Connection()**, **gXHttpGeneric::ConnectionPtr()**, and **gXHttpCont::thisGetHtmlContrl()**.

---

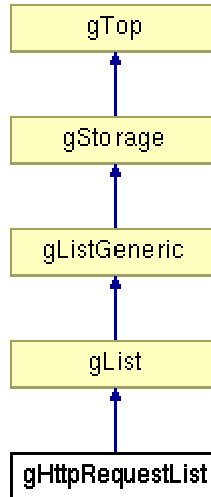
The documentation for this class was generated from the following files:

- **ghttp.h**
- **ghttp.cpp**

## gHttpRequestList Class Reference

gHttpRequestListgHttpRequestList#include <gBNetHttpRequest.h>

Inheritance diagram for gHttpRequestList:



### Public Member Functions

- **gHttpRequestList** ()
- virtual **~gHttpRequestList** ()
- virtual unsigned **NLines** ()
- virtual bool **IsText** ()
- virtual unsigned **FindHeadFirst** (char \*colonStr)
- virtual unsigned **FindHeadFullFirst** (char \*fullStrWithColon)
- virtual **gHttpRequestList & CopyRequest** (gHttpRequestList &lReq)
- virtual bool **Consolidate** ()

### Public Attributes

- **t\_int32 iContentLength**
- **gList lText**

### Protected Member Functions

- **int thisAdjustColonStr** (char \*colonStr, gString &sColon)

---

### Constructor & Destructor Documentation

**gHttpRequestList::gHttpRequestList** ()

Definition at line 5 of file gBNetHttpRequest.cpp.  
**virtual gHttpRequestList::~gHttpRequestList** () [inline, virtual]

Definition at line 15 of file gBNetHttpRequest.h.

---

### Member Function Documentation

**bool gHttpRequestList::Consolidate** () [virtual]

**Definition at line 42 of file gBNetHttpRequest.cpp.gHttpRequestList & gHttpRequestList::CopyRequest (gHttpRequestList & *IReq*) [virtual]**

**Definition at line 34 of file gBNetHttpRequest.cpp.unsigned gHttpRequestList::FindHeadFirst (char \* *colonStr*) [virtual]**

**Definition at line 10 of file gBNetHttpRequest.cpp.unsigned gHttpRequestList::FindHeadFullFirst (char \* *fullStrWithColon*) [virtual]**

Definition at line 18 of file gBNetHttpRequest.cpp.

**Referenced by gXHttpGeneric::WriteHead().virtual bool gHttpRequestList::IsText () [inline, virtual]**

**Definition at line 27 of file gBNetHttpRequest.h.virtual unsigned gHttpRequestList::NLines () [inline, virtual]**

Definition at line 23 of file gBNetHttpRequest.h.

**Referenced by IsText(), and gXHttpGeneric::WriteHead().int gHttpRequestList::thisAdjustColonStr (char \* *colonStr*, gString & *sColon*) [protected]**

Definition at line 59 of file gBNetHttpRequest.cpp.  
Referenced by FindHeadFirst(), and FindHeadFullFirst().

---

## Member Data Documentation

**t\_int32 gHttpRequestList::iContentLength**

Definition at line 19 of file gBNetHttpRequest.h.

**Referenced by Consolidate(), and CopyRequest().gList gHttpRequestList::lText**

Definition at line 20 of file gBNetHttpRequest.h.  
Referenced by Consolidate(), CopyRequest(), NLines(), and gXHttpGeneric::WriteHead().

---

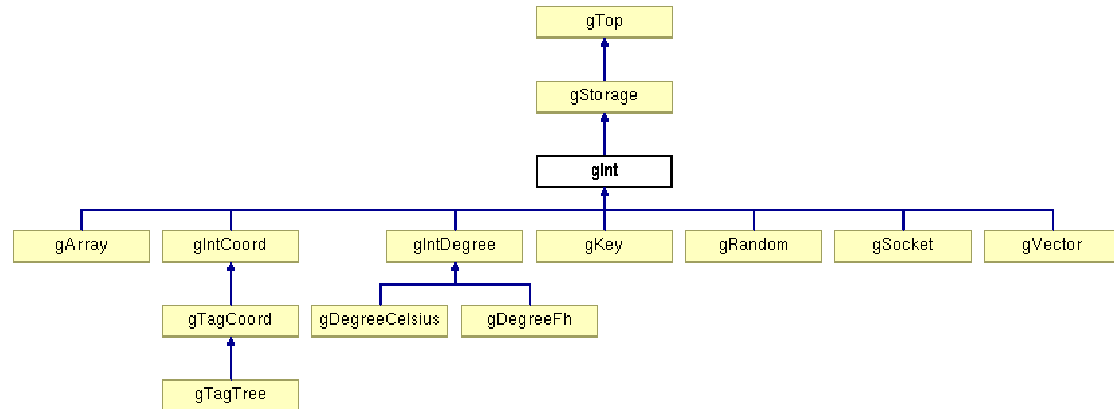
The documentation for this class was generated from the following files:

- **gBNetHttpRequest.h**
- **gBNetHttpRequest.cpp**

## gInt Class Reference

`gInt` `#include <gstorage.h>`

Inheritance diagram for `gInt`:



### Public Member Functions

- `gInt` (int v=0)
- virtual `~gInt` ()
- virtual int `GetInt` ()
- int `GetMinInt` ()
- int `GetMaxInt` ()
- virtual void `Reset` ()
- virtual bool `SetInt` (int v)
- virtual int `Incr` (int v=1)
- virtual `gStorage` \* `NewObject` ()
- virtual `t_uchar` \* `ToString` (`t_uchar` \*uBuf)
- virtual bool `SaveGuts` (FILE \*f)
- virtual bool `RestoreGuts` (FILE \*f)
- virtual void `Show` (bool doShowAll=true)

### Protected Attributes

- int c

---

### Constructor & Destructor Documentation

`gInt::gInt (int v = 0)` [`inline`]

Definition at line 351 of file `gstorage.h`.

Referenced by `NewObject()`.virtual `gInt::~gInt` () [`inline`, `virtual`]

Definition at line 355 of file `gstorage.h`.

---

### Member Function Documentation

virtual int `gInt::GetInt` () [`inline`, `virtual`]

Definition at line 359 of file `gstorage.h`.

**Referenced by** `gListInt::Append()`, `gDegreeFh::Convert()`, `gDegreeCelsius::Convert()`, `gKey::Copy()`, `gKey::GetString()`, `gIntDegree::gIntDegree()`, `gKey::HashPos()`, `gKey::MatchKey()`, `gIntDegree::operator=()`, and `gKey::ToString().int gInt::GetMaxInt () [inline]`

Definition at line 371 of file `gstorage.h`.

**Referenced by** `gVector::Sort().int gInt::GetMinInt () [inline]`

Definition at line 363 of file `gstorage.h`.

**Referenced by** `gVector::Sort().virtual int gInt::Incr (int v = 1) [inline, virtual]`

**Definition at line 386 of file `gstorage.h`.** `gStorage * gInt::NewObject () [virtual]`

Implements `gStorage` (p.276). Reimplemented in `gKey` (p.232), and `gIntCoord` (p.219).

**Definition at line 387 of file `gstorage.cpp`.** `void gInt::Reset () [virtual]`

Reimplemented from `gStorage` (p.276). Reimplemented in `gTagTree` (p.305), `gVector` (p.343), `gArray` (p.13), `gKey` (p.232), `gRandom` (p.261), `gIntCoord` (p.219), and `gTagCoord` (p.303).

Definition at line 381 of file `gstorage.cpp`.

**Referenced by** `gKey::Reset().bool gInt::RestoreGuts (FILE * f) [virtual]`

Implements `gStorage` (p.276).

**Definition at line 406 of file `gstorage.cpp`.** `bool gInt::SaveGuts (FILE * f) [virtual]`

Implements `gStorage` (p.276).

**Definition at line 400 of file `gstorage.cpp`.** `virtual bool gInt::SetInt (int v) [inline, virtual]`

Definition at line 381 of file `gstorage.h`.

**Referenced by** `gIntDegree::gIntDegree()`, `gRandom::gRandom()`, `gIntDegree::operator=()`, `gRandom::Reset()`, `gKey::Set()`, and `gIntCoord::SetX().void gInt::Show (bool doShowAll = true) [virtual]`

Reimplemented from `gStorage` (p.276). Reimplemented in `gKey` (p.233), and `gIntCoord` (p.220).

**Definition at line 412 of file `gstorage.cpp`.** `t_uchar * gInt::ToString (t_uchar * uBuf) [virtual]`

Implements `gStorage` (p.277). Reimplemented in `gKey` (p.233), and `gIntCoord` (p.220).

Definition at line 393 of file `gstorage.cpp`.

## Member Data Documentation

**int gInt::c [protected]**

Definition at line 402 of file `gstorage.h`.

Referenced by `gSocket::Close()`, `GetInt()`, `gTagCoord::GetTagId()`, `gIntCoord::GetX()`, `gSocket::Handle()`, `Incr()`, `gTagCoord::IsOk()`, `gSocket::IsOpened()`, `gIntCoord::NewObject()`,

NewObject(), gSocket::Open(), gIntCoord::operator=(), gIntCoord::Reset(), Reset(), RestoreGuts(), SaveGuts(), SetInt(), gIntCoord::Show(), Show(), gIntCoord::ToString(), and ToString().

---

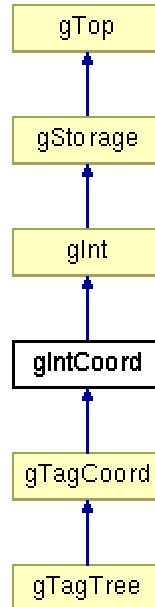
The documentation for this class was generated from the following files:

- **gstorage.h**
- **gstorage.cpp**

## gIntCoord Class Reference

gIntCoordgIntCoord#include <gweb.h>

Inheritance diagram for gIntCoord:



### Public Member Functions

- **gIntCoord** ()
- **gIntCoord** (int ax, int ay)
- **gIntCoord** (int ax, int ay, int az)
- virtual ~**gIntCoord** ()
- virtual int **GetX** ()
- virtual int **GetY** ()
- virtual int **GetZ** ()
- virtual void **Reset** ()
- virtual bool **SetX** (int ax)
- virtual bool **SetY** (int ay)
- virtual bool **SetZ** (int az)
- **gIntCoord** & **operator=** (gIntCoord &copy)
- **gStorage** \* **NewObject** ()
- virtual **t\_uchar** \* **ToString** (t\_uchar \*uBuf)
- virtual void **Show** (bool doShowAll=true)

### Public Attributes

- short **iAux**

### Protected Attributes

- int **y**
- int **z**

---

## Constructor & Destructor Documentation

**gIntCoord::gIntCoord** ()

Definition at line 13 of file gweb.cpp.

**Referenced by** `NewObject().gIntCoord::gIntCoord (int ax, int ay)`

**Definition at line 20 of file gweb.cpp.**`gIntCoord::gIntCoord (int ax, int ay, int az)`

**Definition at line 28 of file gweb.cpp.**`virtual gIntCoord::~gIntCoord () [inline, virtual]`

Definition at line 29 of file gweb.h.

---

### Member Function Documentation

**virtual int gIntCoord::GetX () [inline, virtual]**

Definition at line 36 of file gweb.h.

**Referenced by** `operator=().virtual int gIntCoord::GetY () [inline, virtual]`

Definition at line 40 of file gweb.h.

**Referenced by** `gHSeq::Build(), gTagCoord::IsOk(), gTagTree::IsOk(), operator=(), gTagCoord::SetZ(), gHSeq::thisBuild(), and gUnweb::thisCutCommentsInTxt().virtual int gIntCoord::GetZ () [inline, virtual]`

Definition at line 44 of file gweb.h.

**Referenced by** `gTagCoord::IsOk(), operator=(), gHSeq::thisBuild(), and gHSeq::thisLineSubBlockCoord().gStorage * gIntCoord::NewObject () [virtual]`

Reimplemented from `gInt` (*p.216*).

**Definition at line 36 of file gweb.cpp.**`gIntCoord & gIntCoord::operator= (gIntCoord & copy)`

**Definition at line 52 of file gweb.cpp.**`virtual void gIntCoord::Reset () [inline, virtual]`

Reimplemented from `gInt` (*p.216*).Reimplemented in `gTagTree` (*p.305*), and `gTagCoord` (*p.303*).

Definition at line 49 of file gweb.h.

**Referenced by** `gTagCoord::Reset().virtual bool gIntCoord::SetX (int ax) [inline, virtual]`

Definition at line 54 of file gweb.h.

**Referenced by** `gTagCoord::SetTagId().virtual bool gIntCoord::SetY (int ay) [inline, virtual]`

Definition at line 58 of file gweb.h.

**Referenced by gHSeq::thisCheck().virtual bool glntCoord::SetZ (int az) [inline, virtual]**

Reimplemented in **gTagCoord** (*p.303*).

Definition at line 63 of file gweb.h.

**Referenced by gTagCoord::SetZ().void glntCoord::Show (bool doShowAll = true) [virtual]**

Reimplemented from **gInt** (*p.216*).

**Definition at line 61 of file gweb.cpp.t\_uchar \* glntCoord::ToString (t\_uchar \* uBuf) [virtual]**

Reimplemented from **gInt** (*p.216*).

Definition at line 42 of file gweb.cpp.

---

## Member Data Documentation

### short glntCoord::iAux

Definition at line 33 of file gweb.h.

**Referenced by operator=().int glntCoord::y [protected]**

Definition at line 79 of file gweb.h.

**Referenced by GetY(), NewObject(), operator=(), Reset(), SetY(), Show(), and ToString().int glntCoord::z [protected]**

Definition at line 79 of file gweb.h.

Referenced by GetZ(), NewObject(), operator=(), Reset(), SetZ(), and ToString().

---

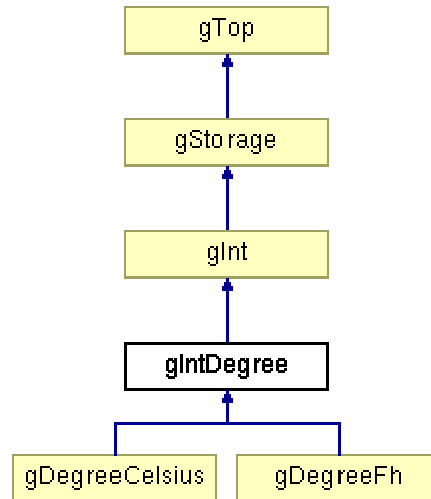
The documentation for this class was generated from the following files:

- **gweb.h**
- **gweb.cpp**

## gIntDegree Class Reference

gIntDegreegIntDegree#include <gmath.h>

Inheritance diagram for gIntDegree:



### Public Member Functions

- virtual `~gIntDegree ()`
- `int NearestInt (float aValue)`
- virtual `int Convert ()=0`
- `gIntDegree (gIntDegree &copy)`
- `gIntDegree & operator= (gIntDegree &copy)`

### Public Attributes

- `float rValue`

### Protected Member Functions

- `gIntDegree (int d)`

---

### Constructor & Destructor Documentation

**gIntDegree::~gIntDegree ()** [`virtual`]

Definition at line 13 of file `gmath.cpp`.  
**gIntDegree::gIntDegree (gIntDegree & copy)**

Definition at line 26 of file `gmath.cpp`.  
**gIntDegree::gIntDegree (int d)** [`protected`]

Definition at line 7 of file `gmath.cpp`.

---

## Member Function Documentation

**virtual int gIntDegree::Convert () [pure virtual]**

**Implemented in** gDegreeCelsius ([p.39](#)), and gDegreeFh ([p.40](#)).**int gIntDegree::NearestInt (float aValue)**

Definition at line 17 of file gmath.cpp.

**Referenced by** gDegreeFh::ConvertToCelsius(), and gDegreeCelsius::ConvertToFahrenheit().**gIntDegree & gIntDegree::operator=(gIntDegree & copy)**

Definition at line 31 of file gmath.cpp.

---

## Member Data Documentation

**float gIntDegree::rValue**

Definition at line 13 of file gmath.h.

Referenced by gDegreeFh::ConvertToCelsius(), and gDegreeCelsius::ConvertToFahrenheit().

---

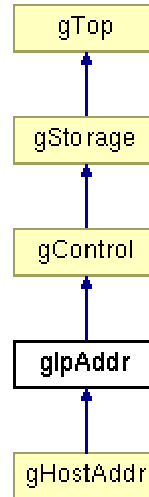
The documentation for this class was generated from the following files:

- **gmath.h**
- **gmath.cpp**

## glpAddr Class Reference

glpAddr glpAddr#include <gnet.h>

Inheritance diagram for glpAddr:



### Public Member Functions

- **glpAddr** (char \*ipStr=nil)
- **glpAddr** (t\_uint8 c1, t\_uint8 c2, t\_uint8 c3, t\_uint8 c4)
- virtual ~**glpAddr** ()
- virtual bool **IsOk** ()
- virtual t\_uchar \* **String** ()
- virtual t\_uchar \* **Tostring** (t\_uchar \*uBuf)
- t\_uint8 **GetB1** ()
- t\_uint8 **GetB2** ()
- t\_uint8 **GetB3** ()
- t\_uint8 **GetB4** ()
- virtual void **Reset** ()
- virtual void **SetAddr** (t\_glpAddr nboAddr)
- virtual bool **SetAddrFromStr** (char \*str)
- virtual t\_glpAddr **GetNetworkAddress** ()
- virtual in\_addr\_t **GetHostAddress** ()
- virtual int **GetHostByName** (char \*hostname)
- virtual int **GetHostByAddr** (gString &sRes)
- **glpAddr** & **operator=** (glpAddr &copy)
- virtual void **Show** (bool doShowAll=true)

### Public Attributes

- t\_uint8 **b1**
- t\_uint8 **b2**
- t\_uint8 **b3**
- t\_uint8 **b4**

### Protected Member Functions

- unsigned long **thisGetIP** (t\_uint8 a1, t\_uint8 a2, t\_uint8 a3, t\_uint8 a4)
- unsigned long **thisGetHostByteOrder** (t\_glpAddr netByteOrder)
- int **thisSetIPfromHostByteOrder** (in\_addr\_t hostByteOrder)
- int **thisSetIPfromHostEnt** (char \*h\_addr, int h\_length)
- int **thisGetHostByAddr** (char \*ipStr, gString &sRes, gList &lRes)

## Constructor & Destructor Documentation

**glpAddr::glpAddr (char \* *ipStr* = nil)**

Definition at line 23 of file gnet.cpp.  
**glpAddr::glpAddr (t\_uint8 *c1*, t\_uint8 *c2*, t\_uint8 *c3*, t\_uint8 *c4*)**

Definition at line 32 of file gnet.cpp.  
**glpAddr::~~glpAddr ()** [virtual]

Definition at line 40 of file gnet.cpp.

---

## Member Function Documentation

**t\_uint8 glpAddr::GetB1 ()** [inline]

Definition at line 40 of file gnet.h.

Referenced by **gSocket::SetConnection().t\_uint8 glpAddr::GetB2 ()** [inline]

Definition at line 43 of file gnet.h.

Referenced by **gSocket::SetConnection().t\_uint8 glpAddr::GetB3 ()** [inline]

Definition at line 46 of file gnet.h.

Referenced by **gSocket::SetConnection().t\_uint8 glpAddr::GetB4 ()** [inline]

Definition at line 49 of file gnet.h.

Referenced by **gSocket::SetConnection().virtual in\_addr\_t glpAddr::GetHostAddress ()** [inline, virtual]

Definition at line 60 of file gnet.h.

Referenced by **gTcpConnect::thisConnect().int glpAddr::GetHostByAddr (gString & *sRes*)** [virtual]

Definition at line 133 of file gnet.cpp.  
**int glpAddr::GetHostByName (char \* *hostname*)** [virtual]

Definition at line 112 of file gnet.cpp.

Referenced by **gHostAddr::gHostAddr().t\_glpAddr glpAddr::GetNetworkAddress ()** [virtual]

Definition at line 106 of file gnet.cpp.

**Referenced by GetHostAddress().bool glpAddr::IsOk () [virtual]**

Reimplemented from **gControl** (p.29).Reimplemented in **gHostAddr** (p.168).

Definition at line 44 of file gnet.cpp.

**Referenced by gHostAddr::IsOk(), and gHostAddr::String().glpAddr & glpAddr::operator= (glpAddr & copy)**

**Definition at line 139 of file gnet.cpp.void glpAddr::Reset () [virtual]**

Reimplemented from **gControl** (p.29).

Definition at line 65 of file gnet.cpp.

**Referenced by GetHostByName(), and SetAddrFromStr().void glpAddr::SetAddr (t\_glpAddr nboAddr) [virtual]**

Definition at line 71 of file gnet.cpp.

**Referenced by thisSetIPfromHostByteOrder().bool glpAddr::SetAddrFromStr (char \* str) [virtual]**

Definition at line 85 of file gnet.cpp.

**Referenced by glpAddr().void glpAddr::Show (bool doShowAll = true) [virtual]**

Reimplemented from **gStorage** (p.276).Reimplemented in **gHostAddr** (p.168).

Definition at line 148 of file gnet.cpp.

**Referenced by gHostAddr::Show().t\_uchar \* glpAddr::String () [virtual]**

Reimplemented in **gHostAddr** (p.168).

Definition at line 49 of file gnet.cpp.

**Referenced by GetHostByAddr(), Show(), gHostAddr::String(), and ToString().int glpAddr::thisGetHostByAddr (char \* ipStr, gString & sRes, gList & lRes) [protected]**

Definition at line 205 of file gnet.cpp.

**Referenced by GetHostByAddr().unsigned long glpAddr::thisGetHostByteOrder (t\_glpAddr netByteOrder) [protected]**

Definition at line 166 of file gnet.cpp.

**Referenced by GetHostAddress().unsigned long glpAddr::thisGetIP (t\_uint8 a1, t\_uint8 a2, t\_uint8 a3, t\_uint8 a4) [protected]**

Definition at line 153 of file gnet.cpp.

**Referenced by GetNetworkAddress().int glpAddr::thisSetIPfromHostByteOrder (in\_addr\_t hostByteOrder) [protected]**

Definition at line 177 of file gnet.cpp.

**Referenced by thisSetIPfromHostEnt().int glpAddr::thisSetIPfromHostEnt (char \* *h\_addr*, int *h\_length*) [protected]**

Definition at line 189 of file gnet.cpp.

**Referenced by GetHostByName().t\_uchar \* glpAddr::ToString (t\_uchar \* *uBuf*) [virtual]**

Reimplemented from **gControl** (*p.30*).

Definition at line 57 of file gnet.cpp.

---

## Member Data Documentation

**t\_uint8 glpAddr::b1**

Definition at line 33 of file gnet.h.

**Referenced by GetB1(), GetNetworkAddress(), IsOk(), operator=(), Reset(), SetAddr(), SetAddrFromStr(), and String().t\_uint8 glpAddr::b2**

Definition at line 33 of file gnet.h.

**Referenced by GetB2(), GetNetworkAddress(), IsOk(), operator=(), Reset(), SetAddr(), SetAddrFromStr(), and String().t\_uint8 glpAddr::b3**

Definition at line 33 of file gnet.h.

**Referenced by GetB3(), GetNetworkAddress(), IsOk(), operator=(), Reset(), SetAddr(), SetAddrFromStr(), and String().t\_uint8 glpAddr::b4**

Definition at line 33 of file gnet.h.

Referenced by GetB4(), GetNetworkAddress(), IsOk(), operator=(), Reset(), SetAddr(), SetAddrFromStr(), and String().

---

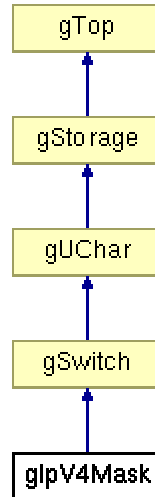
The documentation for this class was generated from the following files:

- **gnet.h**
- **gnet.cpp**

## glpV4Mask Class Reference

glpV4Mask  
glpV4Mask#include <gnet.h>

Inheritance diagram for glpV4Mask:



### Public Types

- enum eClass { e\_NoClass, e\_ClassA, e\_ClassB, e\_ClassC, e\_ClassD, e\_ClassE }
- enum ePrivateAddrSpace { e\_none, e\_P010 = 8, e\_P172 = 12, e\_P192 = 16 }

### Public Member Functions

- glpV4Mask (t\_uint32 aMask=0)
- glpV4Mask (t\_uint8 bitsCIDR)
- glpV4Mask (eClass addrClass)
- virtual ~glpV4Mask ()
- virtual void SetBitsCIDR (t\_uint8 bitsCIDR)

### Public Attributes

- t\_uint8 nBitsCIDR
- t\_uint32 mask

### Protected Member Functions

- int thisSetNBitsFromMask (t\_uint32 aMask)

## Member Enumeration Documentation

### enum glpV4Mask::eClass

Enumeration values:

*e\_NoClass*  
*e\_ClassA*  
*e\_ClassB*  
*e\_ClassC*  
*e\_ClassD*  
*e\_ClassE*

**Definition at line 91 of file gnet.h.enum glpV4Mask::ePrivateAddrSpace**

**Enumeration values:**

*e\_none*  
*e\_P010*  
*e\_P172*  
*e\_P192*

Definition at line 105 of file gnet.h.

---

## **Constructor & Destructor Documentation**

**glpV4Mask::glpV4Mask (t\_uint32 aMask = 0)**

**Definition at line 239 of file gnet.cpp.glpV4Mask::glpV4Mask (t\_uint8 bitsCIDR)**

**Definition at line 245 of file gnet.cpp.glpV4Mask::glpV4Mask (eClass addrClass)**

**Definition at line 252 of file gnet.cpp.glpV4Mask::~glpV4Mask () [virtual]**

Definition at line 271 of file gnet.cpp.

---

## **Member Function Documentation**

**void glpV4Mask::SetBitsCIDR (t\_uint8 bitsCIDR) [virtual]**

Definition at line 275 of file gnet.cpp.

**Referenced by glpV4Mask().int glpV4Mask::thisSetNBitsFromMask (t\_uint32 aMask) [protected]**

Definition at line 286 of file gnet.cpp.

Referenced by gIpV4Mask().

---

## **Member Data Documentation**

**t\_uint32 glpV4Mask::mask**

Definition at line 119 of file gnet.h.

**Referenced by SetBitsCIDR(), and thisSetNBitsFromMask().t\_uint8 glpV4Mask::nBitsCIDR**

Definition at line 118 of file gnet.h.

Referenced by SetBitsCIDR(), and thisSetNBitsFromMask().

---

The documentation for this class was generated from the following files:

- **gnet.h**

- **gnet.cpp**

## gKey Class Reference

gKeygKey#include <ghash.h>

Inheritance diagram for gKey:



### Public Types

- enum **eKeyKind** { **e\_Int**, **e\_UInt64**, **e\_Real**, **e\_String** }

### Public Member Functions

- **gKey** (**eKeyKind** aKeyKind=**e\_Int**)
- **gKey** (**int** v)
- **gKey** (**gInt** &v)
- **gKey** (**gString** &s)
- **gKey** (**char** \*s)
- virtual **~gKey** ()
- virtual **bool** **IsOk** ()
- virtual **eKeyKind** **GetKeyKind** ()
- virtual **t\_uint64** **GetUInt64** ()
- virtual **double** **GetReal** ()
- virtual **gString** & **GetString** ()
- virtual **unsigned** **HashPos** (**unsigned** hashSize)
- virtual **bool** **MatchKey** (**gKey** &hKey)
- virtual **bool** **MatchStorage** (**gStorage** \*aObj)
- virtual **void** **Reset** ()
- **void** **Set** (**int** v)
- **void** **Set** (**t\_uint64** v)
- **void** **Set** (**double** v)
- **void** **Set** (**gString** &s)
- **void** **Copy** (**gKey** &copy)
- virtual **unsigned** **HashStrPos** (**unsigned** hashSize, **gString** &s)
- virtual **gStorage** \* **NewObject** ()
- virtual **t\_uchar** \* **ToString** (**t\_uchar** \*uBuf)
- virtual **void** **Show** (**bool** doShowAll=true)

### Protected Member Functions

- **void** **thisNewKind** (**eKeyKind** newKind)

### Protected Attributes

- **eKeyKind** keyKind
- **t\_uint64** \* pvalUInt
- **double** \* pvalDouble
- **gString** pvalStr

---

## Member Enumeration Documentation

### enum gKey::eKeyKind

Enumeration values:

*e\_Int*  
*e\_UInt64*  
*e\_Real*  
*e\_String*

Definition at line 18 of file ghash.h.

---

## Constructor & Destructor Documentation

### gKey::gKey (eKeyKind aKeyKind = e\_Int)

Definition at line 10 of file ghash.cpp.gKey::gKey (int v)

Definition at line 17 of file ghash.cpp.gKey::gKey (glnt & v)

Definition at line 25 of file ghash.cpp.gKey::gKey (gString & s)

Definition at line 33 of file ghash.cpp.gKey::gKey (char \* s)

Definition at line 42 of file ghash.cpp.gKey::~gKey () [virtual]

Definition at line 51 of file ghash.cpp.

---

## Member Function Documentation

### void gKey::Copy (gKey & copy)

Definition at line 172 of file ghash.cpp.

Referenced by gHashElemTriple::gHashElemTriple().virtual eKeyKind  
gKey::GetKeyKind () [inline, virtual]

Definition at line 34 of file ghash.h.

Referenced by Copy(), and MatchKey().double gKey::GetReal () [virtual]

Definition at line 68 of file ghash.cpp.

**Referenced by Copy(), MatchKey(), and ToString().gString & gKey::GetString ()**  
[virtual]

Definition at line 74 of file ghash.cpp.

**Referenced by Copy(), MatchKey(), and ToString().t\_uint64 gKey::GetUInt64 ()**  
[virtual]

Definition at line 62 of file ghash.cpp.

**Referenced by Copy(), MatchKey(), and ToString().unsigned gKey::HashPos (unsigned hashSize)** [virtual]

Definition at line 83 of file ghash.cpp.

**Referenced by gHash::thisFindKey().unsigned gKey::HashStrPos (unsigned hashSize, gString & s)** [virtual]

Definition at line 194 of file ghash.cpp.

**Referenced by HashPos().bool gKey::IsOk ()** [virtual]

Reimplemented from gStorage (p.275).

Definition at line 57 of file ghash.cpp.

**Referenced by MatchKey().bool gKey::MatchKey (gKey & hKey)** [virtual]

Definition at line 109 of file ghash.cpp.

**Referenced by MatchStorage().bool gKey::MatchStorage (gStorage \* aObj)** [virtual]

**Definition at line 129 of file ghash.cpp.gStorage \* gKey::NewObject ()** [virtual]

Reimplemented from gInt (p.216).

**Definition at line 212 of file ghash.cpp.void gKey::Reset ()** [virtual]

Reimplemented from gInt (p.216).

Definition at line 138 of file ghash.cpp.

**Referenced by thisNewKind().void gKey::Set (gString & s)**

**Definition at line 166 of file ghash.cpp.void gKey::Set (double v)**

**Definition at line 159 of file ghash.cpp.void gKey::Set (t\_uint64 v)**

**Definition at line 152 of file ghash.cpp.**  
**void gKey::Set (int v)**

Definition at line 146 of file ghash.cpp.

**Referenced by Copy().void gKey::Show (bool *doShowAll* = true) [virtual]**

Reimplemented from **gInt** (p.216).

Definition at line 242 of file ghash.cpp.

**Referenced by gHashElemTriple::Show().void gKey::thisNewKind (eKeyKind *newKind*) [protected]**

Definition at line 248 of file ghash.cpp.

**Referenced by Set().t\_uchar \* gKey::ToString (t\_uchar \* *uBuf*) [virtual]**

Reimplemented from **gInt** (p.216).

Definition at line 218 of file ghash.cpp.

Referenced by Show().

---

**Member Data Documentation**

**eKeyKind gKey::keyKind [protected]**

Definition at line 64 of file ghash.h.

**Referenced by Copy(), GetKeyKind(), GetString(), gKey(), HashPos(), MatchKey(), thisNewKind(), and ToString().double\* gKey::pvalDouble [protected]**

Definition at line 68 of file ghash.h.

**Referenced by GetReal(), GetString(), HashPos(), Reset(), Set(), thisNewKind(), and ~gKey().gString gKey::pvalStr [protected]**

Definition at line 69 of file ghash.h.

**Referenced by GetString(), gKey(), HashPos(), Reset(), and Set().t\_uint64\* gKey::pvalUInt [protected]**

Definition at line 67 of file ghash.h.

Referenced by GetString(), GetUInt64(), Reset(), Set(), thisNewKind(), and ~gKey().

---

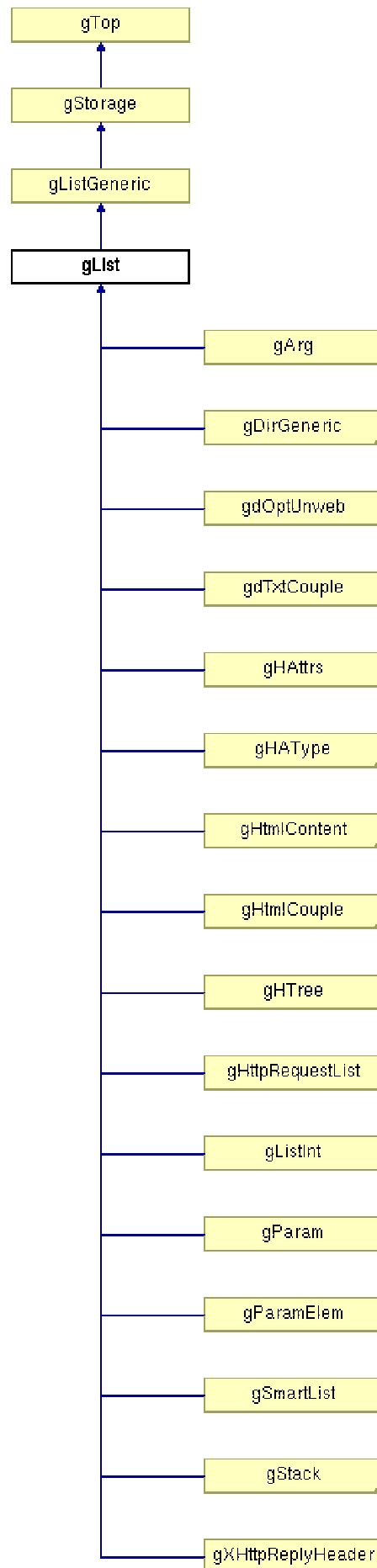
The documentation for this class was generated from the following files:

- **ghash.h**
- **ghash.cpp**

## **gList Class Reference**

`gList`  
`#include <glist.h>`

Inheritance diagram for `gList`:



## Public Member Functions

- **gList ()**
- virtual **~gList ()**
- virtual int **GetInt** (unsigned idx)
- virtual unsigned **GetUInt** (unsigned idx)
- virtual unsigned **Match** (char \*s)
- virtual unsigned **FindFirst** (char \*s, unsigned strPos, **eFindCriteria** findCriteria)
- virtual unsigned **Find** (char \*s, unsigned strPos, **eFindCriteria** findCriteria)
- virtual unsigned **FindAny** (char \*s, unsigned strPos, **eFindCriteria** findCriteria, **gList** &posL)
- unsigned **Add** (int v)
- unsigned **Add** (unsigned v)
- unsigned **Add** (**gString** &copy)
- unsigned **Add** (**t\_uchar** \*s)
- unsigned **Add** (char \*s)
- virtual **gList** & **CopyList** (**gList** &aL)
- virtual unsigned **DeleteString** (**gString** &s)
- virtual unsigned **DeleteStrings** (**gString** &s)
- virtual **t\_uchar** \* **ToString** (**t\_uchar** \*uBuf)
- virtual bool **SaveGuts** (FILE \*f)
- virtual bool **RestoreGuts** (FILE \*f)
- virtual void **Show** (bool doShowAll=true)

## Protected Member Functions

- unsigned **thisFind** (char \*s, unsigned strPos, **eFindCriteria** findCriteria, bool doStopOnFirst, **gList** &posL)

## Constructor & Destructor Documentation

**gList::gList ()**

**Definition at line 356 of file glist.cpp.****gList::~gList ()** [**virtual**]

Definition at line 364 of file glist.cpp.

## Member Function Documentation

**unsigned gList::Add (char \* s)**

Reimplemented in **gdSnarfCont** (p.62), **gHtmlCouple** (p.189), **gHtmlContent** (p.186), and **gParamElem** (p.255).

**Definition at line 452 of file glist.cpp.****unsigned gList::Add (t\_uchar \* s)**

**Definition at line 444 of file glist.cpp.****unsigned gList::Add (gString & copy)**

Reimplemented in **gHtmlCouple** (p.189), and **gParamElem** (p.255).

**Definition at line 439 of file glist.cpp.****unsigned gList::Add (unsigned v)**

**Definition at line 431 of file glist.cpp.****unsigned gList::Add (int v)**

Definition at line 423 of file glist.cpp.

Referenced by Add(), gHtmlCouple::Add(), gParamElem::Add(), gSmartList::AddFromStr(), gXHttpRequest::AddHead(), gHtmlOpt::AddIdTagOptEnd(), gXHttpRequestHeader::AddLine(), sParamRaw::AddMember(), gHtmlCouple::AddTag(), gFileControl::AddTempFile(), sCoordText::AddText(), gHttpRequestList::Consolidate(), gdHCouple::CopyNormalizeAttr(), sCoordText::FindCoordX(), gArg::gArg(), gdHttpSnarf::GetHeaderLines(), gParam::GetNewObjectFromFormat(), gParam::gParam(), gControl::Log(), sFileKind::Process(), gDirGeneric::RestoreGuts(), gXHttpRequestHeader::thisAddLine(), gConfig::thisAddLineToList(), gArg::thisAddOneParam(), gHOutOpt::thisConfig(), gConfig::thisConfigInit(), thisFind(), gArg::thisFindParamFromStr(), gArg::thisFlushAll(), glpAddr::thisGetHostByAddr(), gdTxtCouple::thisInitTxtCouple(), gConfig::thisParseLine(), gUnweb::thisPostProcess(), gUnweb::thisPreProcess(), gConfig::thisProcess(), gArg::thisProcessParamElem(), gConfig::thisRead(), gFileFetch::thisReadAll(), gFileFetch::thisReadStringAsFile(), gDir::thisScanDir(), gParam::thisSplit(), and gUnweb::thisStrMove().gList & gList::CopyList (gList & aL) [virtual]

Definition at line 457 of file glist.cpp.

Referenced by sAttrsTagNorm::CopyDefaultAttrNorms(), gHOutOpt::CopyHOutOpt(), gHtmlOpt::CopyOptions(), gHttpRequestList::CopyRequest(), and gArg::FlushParams().unsigned gList::DeleteString (gString & s) [virtual]

Definition at line 479 of file glist.cpp.unsigned gList::DeleteStrings (gString & s) [virtual]

Definition at line 491 of file glist.cpp.unsigned gList::Find (char \* s, unsigned strPos, eFindCriteria findCriteria) [virtual]

Definition at line 407 of file glist.cpp.

Referenced by gArg::thisFillParamFromChr(), and gArg::thisFillParamFromStr().unsigned gList::FindAny (char \* s, unsigned strPos, eFindCriteria findCriteria, gList & posL) [virtual]

Definition at line 415 of file glist.cpp.unsigned gList::FindFirst (char \* s, unsigned strPos, eFindCriteria findCriteria) [virtual]

Definition at line 395 of file glist.cpp.

Referenced by gHttpRequestList::FindHeadFirst(), and gHttpRequestList::FindHeadFullFirst().int gList::GetInt (unsigned idx) [virtual]

Definition at line 368 of file glist.cpp.

Referenced by gListInt::FindInt(), gListInt::operator[](), gHtmlParser::SetOptions(), gHOutOpt::thisConfig(), and gConfig::thisProcess().unsigned gList::GetUInt (unsigned idx) [virtual]

Definition at line 375 of file glist.cpp.

**Referenced by** `gArg::thisFindParamFromStr()`, `gArg::thisFlushAll()`, and `gArg::thisProcessParamElem().unsigned gList::Match (char * s) [virtual]`

Definition at line 382 of file glist.cpp.

**Referenced by** `gdHCouple::CopyNormalizeAttr()`, `DeleteString()`, `DeleteStrings()`, `gArg::FindOption()`, `gXHttpRequestHeader::GetLine()`, `gParam::GetNewObjectFromFormat()`, `gHOutOpt::HasToSkip()`, `gHOutOpt::IsTagSkipped()`, `gXHttpRequestHeader::IsText()`, `gSmartList::MatchWhere()`, `gArg::thisFindParamFromStr()`, and `gXHttpRequestGeneric::thisParseServerReply().bool gList::RestoreGuts (FILE * f) [virtual]`

Reimplemented from `gListGeneric` (p.244).Reimplemented in `gArg` (p.7), and `gDirGeneric` (p.54).

**Definition at line 515 of file glist.cpp.**`bool gList::SaveGuts (FILE * f) [virtual]`

Reimplemented from `gListGeneric` (p.244).Reimplemented in `gArg` (p.7), and `gDirGeneric` (p.54).

**Definition at line 510 of file glist.cpp.**`void gList::Show (bool doShowAll = true) [virtual]`

Reimplemented from `gStorage` (p.276).Reimplemented in `gdHCouple` (p.42), `gdTxtCouple` (p.65), `gHAttrs` (p.119), `gHtmlContent` (p.186), `gHTree` (p.209), and `gArg` (p.7).

Definition at line 520 of file glist.cpp.

**Referenced by** `gArg::FlushParams()`, `sFileKind::Show()`, `gHOutOpt::Show()`, `gdTxtCouple::Show()`, `gdHCouple::Show()`, and `gArg::Show().unsigned gList::thisFind (char * s, unsigned strPos, eFindCriteria findCriteria, bool doStopOnFirst, gList & posL) [protected]`

Definition at line 540 of file glist.cpp.

**Referenced by** `Find()`, `FindAny()`, and `FindFirst().t_uchar * gList::ToString (t_uchar * uBuf) [virtual]`

Reimplemented from `gListGeneric` (p.245).Reimplemented in `gArg` (p.8), and `gDirGeneric` (p.54).

Definition at line 505 of file glist.cpp.

Referenced by `gArg::ToString()`.

---

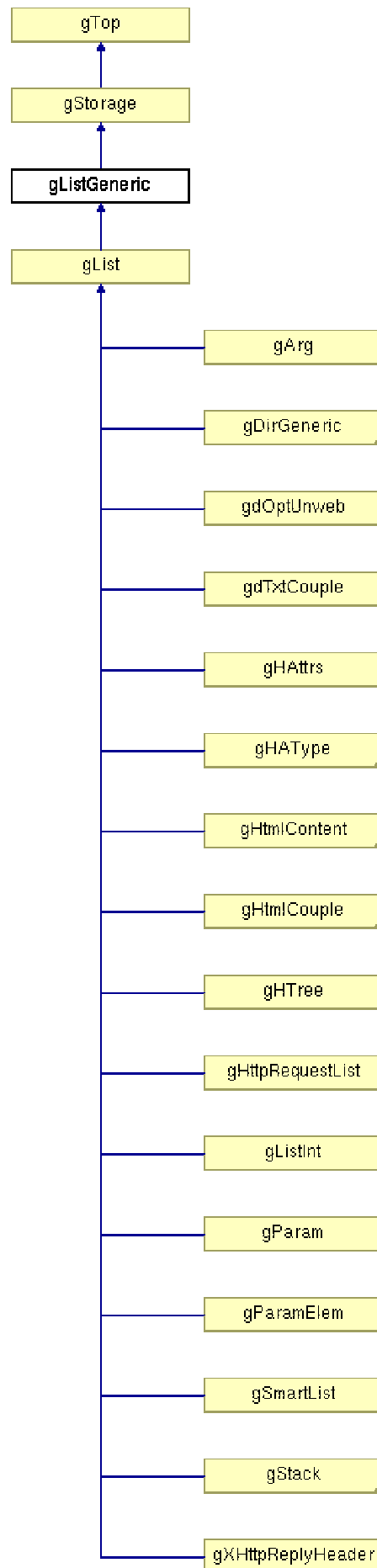
The documentation for this class was generated from the following files:

- `glist.h`
- `glist.cpp`

## **gListGeneric Class Reference**

gListGenericgListGeneric#include <glist.h>

Inheritance diagram for gListGeneric:



**Public Types**

- enum **eListStrategy** { **e\_LstDefault**, **e\_LstPointer**, **e\_LstHash** }
- enum **eListIndexes** { **e\_LstIdx1toN**, **e\_LstIdx1toNstrict**, **e\_LstIdx0Unused** }

**Public Member Functions**

- virtual **~gListGeneric** ()
- virtual bool **IsEmpty** ()
- virtual unsigned **N** ()
- virtual bool **IsValidIndex** (unsigned idx)
- virtual char \* **Str** (unsigned idx)
- virtual **t\_uchar** \* **UStr** (unsigned idx)
- virtual **gElem** & **GetElement** (unsigned idx)
- virtual **gElem** \* **GetElementPtr** (unsigned idx)
- virtual **gStorage** \* **GetObjectPtr** (unsigned idx)
- virtual **gStorage** \* **GetFirstObjectPtr** ()
- virtual **gStorage** \* **GetLastObjectPtr** ()
- virtual **eStorage** **ElementsKind** ()
- virtual int **MinimumStorageSize** ()
- virtual int **MaximumStorageSize** ()
- virtual void **Reset** ()
- virtual unsigned **Delete** (unsigned startPos=0, unsigned endPos=0)
- virtual bool **SetCaseSense** (bool doCaseSense)
- virtual bool **AppendObject** (**gStorage** \*newObj)
- virtual **gElem** \* **StartPtr** ()
- virtual **gElem** \* **EndPtr** ()
- virtual **gStorage** \* **NewObject** ()
- virtual **t\_uchar** \* **ToString** (**t\_uchar** \*uBuf)
- virtual bool **SaveGuts** (FILE \*f)
- virtual bool **RestoreGuts** (FILE \*f)

**Protected Member Functions**

- **gListGeneric** (**eStorage** aKind, **eListStrategy** aStgy, **eListIndexes** aLstIdxs)
- void **thisPreAllocate** (unsigned toSize)
- unsigned **thisDelete** ()
- bool **thisIndex** (unsigned &idx)
- bool **thisAppend** (**gStorage** \*newObj)

**Protected Attributes**

- unsigned **size**
- unsigned **preMaxSize**
- unsigned **maxSize**
- **eListIndexes** **lstIdxs**
- **eListStrategy** **stgy**
- **gUCharBuffer** **genUCharBuf**
- **gElem** \* **pStart**
- **gElem** \* **pEnd**
- **gElem** \* **pCurrent**
- bool **doIgnoreCase**

---

**Member Enumeration Documentation****enum gListGeneric::eListIndexes**

Enumeration values:

*e\_LstIdx1toN*  
*e\_LstIdx1toNstrict*  
*e\_LstIdx0Unused*

Definition at line 58 of file glist.h.enum gListGeneric::eListStrategy

Enumeration values:

*e\_LstDefault*  
*e\_LstPointer*  
*e\_LstHash*

Definition at line 53 of file glist.h.

---

## Constructor & Destructor Documentation

**gListGeneric::~gListGeneric ()** [virtual]

Definition at line 92 of file glist.cpp.gListGeneric::gListGeneric (eStorage *aKind*, eListStrategy *aStgy*, eListIndexes *aLstIdxs*) [protected]

Definition at line 74 of file glist.cpp.

---

## Member Function Documentation

**virtual bool gListGeneric::AppendObject (gStorage \* *newObj*)** [inline, virtual]

Definition at line 104 of file glist.h.

Referenced by sCoordText::AddCoordToList(), gParamVal::AddToList(), gListInt::Append(), gHList::AppendCouple(), gHAttrs::BuildFromLRLists(), gList::CopyList(), gStack::Push(), gHtmlContent::thisAddCouple(), gHash::thisAddElem(), gArrayCollect::thisAddIntoList(), and gConfig::thisAddLineToList().unsigned gListGeneric::Delete (unsigned *startPos* = 0, unsigned *endPos* = 0) [virtual]

Definition at line 174 of file glist.cpp.

Referenced by gControl::ClearLogMem(), sCoordText::Delete(), gList::DeleteString(), gList::DeleteStrings(), gXHttpGeneric::GetContent(), gStack::Pop(), gArrayCollect::ReleaseAll(), Reset(), gHAttrs::Reset(), gControl::ResetLog(), gConfig::thisConfigDelete(), gConfig::thisConfigInit(), gUnweb::thisPreProcess(), gFileFetch::thisReadFile(), gHAttrs::TypeEnumToSmartL(), and gXHttpGeneric::WriteHead().gStorage::eStorage gListGeneric::ElementsKind () [virtual]

Definition at line 124 of file glist.cpp.virtual gElem\* gListGeneric::EndPtr () [inline, virtual]

Definition at line 114 of file glist.h.

**Referenced by** `gStack::GetCurrent().gElem` & `gListGeneric::GetElement (unsigned idx) [virtual]`

**Definition at line 141 of file** `glist.cpp.gElem * gListGeneric::GetElementPtr (unsigned idx) [virtual]`

Definition at line 148 of file `glist.cpp`.

**Referenced by** `gList::CopyList(), Delete(), GetObjectPtr(),` and `gList::Show().gStorage * gListGeneric::GetFirstObjectPtr () [virtual]`

Definition at line 162 of file `glist.cpp`.

**Referenced by** `gArrayCollect::GetFirstObjectPtr().gStorage * gListGeneric::GetLastObjectPtr () [virtual]`

Definition at line 168 of file `glist.cpp`.

**Referenced by** `gdSnarfCont::Add(),` and `gArrayCollect::GetLastObjectPtr().gStorage * gListGeneric::GetObjectPtr (unsigned idx) [virtual]`

Definition at line 154 of file `glist.cpp`.

**Referenced by** `gHashTriple::Find(), gArg::FindOptionOccurr(), gHAttrs::GetAttrPtr(), gHAttrs::GetAttrValuePtr(), sCoordText::GetCoord(), gHParsed::GetCouple(), gHtmlContent::GetCouple(), gDirGeneric::GetName(), gArrayCollect::GetObjectPtr(), gArg::GetOptionPtr(), gConfig::GetSectionLine(), gHAttrs::IsOk(), SaveGuts(), gDirGeneric::SaveGuts(), gHash::Show(), gHParsed::StrMust(), gConfig::thisAddLineToList(), gDirGeneric::thisAllNamesOk(), gUnweb::thisCutCommentsInTxt(), gHash::thisFindKey(),` and `gHtmlParser::thisParse().virtual bool gListGeneric::IsEmpty () [inline, virtual]`

Reimplemented in `gHTree (p.209)`.

Definition at line 67 of file `glist.h`.

**Referenced by** `gdHCouple::CopyNormalizeAttr().bool gListGeneric::IsValidIndex (unsigned idx) [virtual]`

Definition at line 97 of file `glist.cpp`.

**Referenced by** `gHParsed::GetCouple(),` and `gHtmlContent::GetCouple().virtual int gListGeneric::MaximumStorageSize () [inline, virtual]`

Reimplemented from `gStorage (p.275)`.

**Definition at line 89 of file** `glist.h.virtual int gListGeneric::MinimumStorageSize () [inline, virtual]`

Reimplemented from `gStorage (p.275)`.

**Definition at line 86 of file** `glist.h.virtual unsigned gListGeneric::N () [inline, virtual]`

Definition at line 70 of file glist.h.

Referenced by `gParamElem::Add()`, `gSmartList::AddFromList()`, `gdSnarfCont::AddFromList()`, `gSmartList::AddFromStr()`, `gXHttpReplyHeader::AddLine()`, `gArg::AddParams()`, `gHtmlCouple::AddText()`, `gHAttrs::BuildFromLRLists()`, `gList::CopyList()`, `gdHCouple::CopyNormalizeAttr()`, `Delete()`, `gHParsed::Depth()`, `gUnweb::Dump()`, `gHashTriple::Find()`, `gHParsed::FindCouple()`, `gListInt::FindInt()`, `gArg::FindOption()`, `gHAttrs::GetAttrPtr()`, `gStack::GetCurrent()`, `gdHttpSnarf::GetHeaderLines()`, `gParam::GetNewObjectFromFormat()`, `gArg::GetOptionPtr()`, `gConfig::GetSectionLine()`, `gHtmlCouple::GetStr()`, `gdHCouple::GetStr()`, `gHtmlCouple::GetStrForTree()`, `gConfig::HasSection()`, `sCoordText::IsOk()`, `gHAttrs::IsOk()`, `gList::Match()`, `gSmartList::MatchWhere()`, `sCoordText::N()`, `gHttpRequestList::NLines()`, `gArg::NoArg()`, `gArg::NumberParams()`, `gArrayCollect::NumObjs()`, `gdHttpURI::ParseProxyStr()`, `gStack::Pop()`, `sFileKind::Process()`, `gFileControl::RemoveTemp()`, `SaveGuts()`, `gDirGeneric::SaveGuts()`, `gHAttrList::Set()`, `gHInOpt::SetFromString()`, `gHtmlParser::SetOptions()`, `gVersion::SetVersion()`, `gList::Show()`, `gHtmlContent::Show()`, `gHAttrs::Show()`, `gHash::Show()`, `gdHCouple::Show()`, `gHSeq::ShowPart()`, `gHtmlParser::ShowTree()`, `gHAttrList::Str()`, `gConfig::thisAddLineToList()`, `gDirGeneric::thisAllNamesOk()`, `gHSeq::thisBuild()`, `gHSeq::thisCheck()`, `gHOutOpt::thisConfig()`, `gUnweb::thisCutCommentsInTxt()`, `gList::thisFind()`, `gHash::thisFindKey()`, `gArg::thisFindParamFromStr()`, `gArg::thisFlushAll()`, `gXHttpCont::thisGetHtmlContrl()`, `gStrControl::thisInit()`, `gdTxtCouple::thisInitTxtCouple()`, `gHtmlParser::thisParse()`, `gConfig::thisParseLine()`, `gUnweb::thisPostProcess()`, `gUnweb::thisPreJoin()`, `gUnweb::thisPreProcess()`, `gUnweb::thisPreStripComments()`, `gConfig::thisProcess()`, `gArg::thisProcessParamElem()`, `gConfig::thisRead()`, `gHParsed::TrashLast()`, `gHtmlContent::UpCaseAttributes()`, and `gXHttpGeneric::WriteHead().gStorage * gListGeneric::NewObject () [virtual]`

Implements `gStorage` (p.276). Reimplemented in `gParamElem` (p.256).

Definition at line 241 of file glist.cpp. `virtual void gListGeneric::Reset () [inline, virtual]`

Reimplemented from `gStorage` (p.276). Reimplemented in `gHAttrs` (p.119), `gHAType` (p.125), and `gHTree` (p.209).

Definition at line 94 of file glist.h.

Referenced by `gHtmlCouple::CopyTag()`, `gHTree::Reset()`, `gHAType::Reset()`, and `gHAttrs::Reset().bool gListGeneric::RestoreGuts (FILE * f) [virtual]`

Implements `gStorage` (p.276). Reimplemented in `gArg` (p.7), `gDirGeneric` (p.54), and `gList` (p.238).

Definition at line 273 of file glist.cpp.

Referenced by `gList::RestoreGuts().bool gListGeneric::SaveGuts (FILE * f) [virtual]`

Implements `gStorage` (p.276). Reimplemented in `gArg` (p.7), `gDirGeneric` (p.54), and `gList` (p.238).

Definition at line 260 of file glist.cpp.

Referenced by `gList::SaveGuts().virtual bool gListGeneric::SetCaseSense (bool doCaseSense) [inline, virtual]`

Definition at line 100 of file glist.h.

Referenced by `gXHttpRequestHeader::IsText()`, and `gHttpAttrs::TypeEnumToSmartL().virtual gElem* gListGeneric::StartPtr () [inline, virtual]`

Definition at line 111 of file `glist.h`. `char * gListGeneric::Str (unsigned idx) [virtual]`

Reimplemented in `gdSnarfCont` (p.63), `gHtmlContent` (p.186), and `gHParsed` (p.175).

Definition at line 102 of file `glist.cpp`.

Referenced by `gParamElem::Add()`, `gSmartList::AddFromList()`, `gdSnarfCont::AddFromList()`, `gSmartList::AddFromStr()`, `gXHttpRequestHeader::AddLine()`, `gArg::AddParams()`, `gHttpAttrs::BuildFromLRLists()`, `gHttpRequestList::Consolidate()`, `gdHCouple::CopyNormalizeAttr()`, `gHtmlCouple::CopyTag()`, `gHttpAttrList::Find()`, `sCoordText::FindCoordX()`, `gHttpAttrList::GetAttrLValue()`, `gHttpAttrList::GetAttrRValue()`, `gdHttpSnarf::GetHeaderLines()`, `gXHttpRequestHeader::GetLine()`, `gParam::GetNewObjectFromFormat()`, `gConfig::GetSectionFromName()`, `gConfig::GetSectionLine()`, `gdHttpSnarf::HttpCodeStr()`, `gdHttpURI::ParseProxyStr()`, `sFileKind::Process()`, `gFileControl::RemoveTemp()`, `gHttpAttrList::Set()`, `gHInOpt::SetFromString()`, `gVersion::SetVersion()`, `gArg::Show()`, `gUnweb::Str()`, `sCoordText::Str()`, `gHttpAttrList::Str()`, `gFileFetch::Str()`, `gConfig::thisAddLineToList()`, `gHOutOpt::thisConfig()`, `gUnweb::thisConsolidateData()`, `gUnweb::thisCutCommentsInTxt()`, `gArg::thisFillParamFromChr()`, `gArg::thisFillParamFromStr()`, `gArg::thisFindParamFromStr()`, `gXHttpCont::thisGetHtmlContrl()`, `gdTxtCouple::thisInitTxtCouple()`, `gHtmlParser::thisParse()`, `gXHttpGeneric::thisParseServerReply()`, `gUnweb::thisPostProcess()`, `gUnweb::thisPreJoin()`, `gUnweb::thisPreProcess()`, `gUnweb::thisPreStripComments()`, `gConfig::thisProcess()`, `gArg::thisProcessParamElem()`, `gConfig::thisRead()`, `gUnweb::thisStrSetParse()`, `gHtmlContent::UpCaseAttributes()`, and `gXHttpGeneric::WriteHead().bool gListGeneric::thisAppend (gStorage * newObj) [protected]`

Definition at line 329 of file `glist.cpp`.

Referenced by `gList::Add()`, `AppendObject()`, and `gDir::thisAddSystemName().unsigned gListGeneric::thisDelete () [protected]`

Definition at line 287 of file `glist.cpp`.

Referenced by `gList::CopyList()`, `Delete()`, `gDir::gDir()`, and `~gListGeneric().bool gListGeneric::thisIndex (unsigned & idx) [protected]`

Definition at line 305 of file `glist.cpp`.

Referenced by `Delete()`, `ElementsKind()`, `GetElement()`, `GetElementPtr()`, `gList::GetInt()`, `gList::GetUInt()`, `IsValidIndex()`, and `Str().void gListGeneric::thisPreAllocate (unsigned toSize) [protected]`

Definition at line 278 of file `glist.cpp`.

Referenced by `gListGeneric().t_uchar * gListGeneric::ToString (t_uchar * uBuf) [virtual]`

Implements `gStorage` (p.277). Reimplemented in `gArg` (p.8), `gDirGeneric` (p.54), and `gList` (p.238).

Definition at line 247 of file glist.cpp.

**Referenced by** `gList::ToString().t_uchar * gListGeneric::UStr (unsigned idx)`  
[`virtual`]

Definition at line 110 of file glist.cpp.

---

## Member Data Documentation

**bool gListGeneric::dolgnoreCase** [`protected`]

Definition at line 136 of file glist.h.

**Referenced by** `gList::Match()`, `gSmartList::MatchWhere()`, `SetCaseSense()`, and  
`gList::thisFind().gUCharBuffer gListGeneric::genUCharBuf` [`protected`]

Definition at line 132 of file glist.h.

**Referenced by** `Str().eListIndexes gListGeneric::lstIdxs` [`protected`]

Definition at line 130 of file glist.h.

**Referenced by** `gListGeneric()`, and `thisIndex().unsigned gListGeneric::maxSize`  
[`protected`]

**Definition at line 129 of file glist.h.**`gElem* gListGeneric::pCurrent` [`protected`]

Definition at line 135 of file glist.h.

**Referenced by** `Delete()`, `ElementsKind()`, `GetElement()`, `GetElementPtr()`, `gList::GetInt()`,  
`gList::GetUInt()`, `Str()`, `thisAppend()`, `thisDelete()`, `thisIndex()`, and  
`thisPreAllocate().gElem* gListGeneric::pEnd` [`protected`]

Reimplemented in `gHTree (p.210)`.

Definition at line 134 of file glist.h.

**Referenced by** `Delete()`, `EndPtr()`, `GetLastObjectPtr()`, `thisAppend()`, and  
`thisDelete().unsigned gListGeneric::preMaxSize` [`protected`]

Definition at line 129 of file glist.h.

**Referenced by** `gListGeneric().gElem* gListGeneric::pStart` [`protected`]

Reimplemented in `gHTree (p.210)`.

Definition at line 133 of file glist.h.

**Referenced by** `Delete()`, `ElementsKind()`, `GetFirstObjectPtr()`, `StartPtr()`, `thisAppend()`,  
`thisDelete()`, and `thisIndex().unsigned gListGeneric::size` [`protected`]

Definition at line 129 of file glist.h.

**Referenced by gList::Add(), Delete(), ElementsKind(), IsEmpty(), N(), thisAppend(), thisDelete(), and thisIndex().eListStrategy gListGeneric::stgy [protected]**

Definition at line 131 of file glist.h.

Referenced by thisPreAllocate().

---

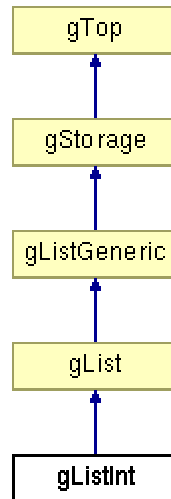
The documentation for this class was generated from the following files:

- **glist.h**
- **glist.cpp**

## gListInt Class Reference

gListIntgListInt#include <glist.h>

Inheritance diagram for gListInt:



### Public Member Functions

- **gListInt** ()
- virtual **~gListInt** ()
- virtual unsigned **FindInt** (int v)
- bool **Append** (gInt &v)
- bool **Append** (int v)
- int **operator[]** (unsigned idx)

---

### Constructor & Destructor Documentation

**gListInt::gListInt ()**

Definition at line 574 of file glist.cpp.**gListInt::~gListInt ()** [virtual]

Definition at line 578 of file glist.cpp.

---

### Member Function Documentation

**bool gListInt::Append (int v)**

Definition at line 591 of file glist.cpp.**bool gListInt::Append (gInt & v)** [inline]

Definition at line 214 of file glist.h.

**Referenced by gHInOpt::thisAddLineSup().unsigned gListInt::FindInt (int v)**  
[virtual]

Definition at line 582 of file glist.cpp.

**Referenced by `gHlnOpt::HasToSkip()`, and `gHlnOpt::thisHasToShow().int`  
`gListInt::operator[] (unsigned idx) [inline]`**

Definition at line 220 of file `glist.h`.

---

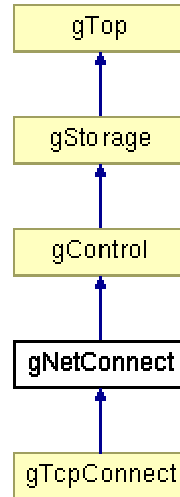
The documentation for this class was generated from the following files:

- `glist.h`
- `glist.cpp`

## gNetConnect Class Reference

gNetConnectgNetConnect#include <gnet.h>

Inheritance diagram for gNetConnect:



### Public Member Functions

- virtual ~gNetConnect ()
- virtual int **Handle** ()=0
- bool **Read** (t\_uchar &c)
- bool **Read** (t\_uchar \*uBuf, unsigned nBytes)
- virtual bool **ReadLine** (gString &s)
- int **Write** (char \*s)
- int **Write** (gString &s)
- int **Write** (char \*s, unsigned nOctets)

### Protected Member Functions

- gNetConnect ()

---

### Constructor & Destructor Documentation

**gNetConnect::~gNetConnect ()** [virtual]

**Definition at line 475 of file gnet.cpp.**gNetConnect::gNetConnect () [protected]

Definition at line 471 of file gnet.cpp.

---

### Member Function Documentation

**virtual int gNetConnect::Handle ()** [pure virtual]

Implemented in gTcpConnect (p.307).

**Referenced by Read(), and Write().**bool gNetConnect::Read (t\_uchar \* uBuf, unsigned nBytes)

**Definition at line 500 of file gnet.cpp.bool gNetConnect::Read (t\_uchar & c)**

Definition at line 479 of file gnet.cpp.

**Referenced by ReadLine(), gXHttpCont::ReadReplyBin(), gXHttpCont::ReadReplyText(), and gXHttpCont::ReadReplyUnsizeD().bool gNetConnect::ReadLine (gString & s) [virtual]**

Definition at line 519 of file gnet.cpp.

**Referenced by gXHttpCont::thisReadChunkSize().int gNetConnect::Write (char \* s, unsigned nOctets)**

**Definition at line 542 of file gnet.cpp.int gNetConnect::Write (gString & s)**

**Definition at line 537 of file gnet.cpp.int gNetConnect::Write (char \* s)**

Definition at line 532 of file gnet.cpp.

Referenced by Write().

---

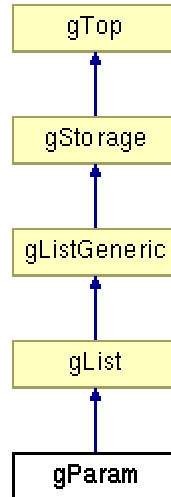
The documentation for this class was generated from the following files:

- gnet.h
- gnet.cpp

## gParam Class Reference

gParamgParam#include <garg.h>

Inheritance diagram for gParam:



### Public Types

- enum **eParamCriteria** { **e\_Normal**, **e\_StopSplitOnFirst** = 1, **e\_NormalQuoted** }

### Public Member Functions

- **gParam** ()
- **gParam** (gString &copy, char \*sParamSplit=nil, **eParamCriteria** aParamCriteria=e\_Normal)
- **gParam** (char \*s, char \*sParamSplit=nil, **eParamCriteria** aParamCriteria=e\_Normal)
- virtual ~**gParam** ()
- **gStorage** \* **GetNewObjectFromFormat** (char \*s)
- virtual unsigned **Find** (gString &s, gString &sSubStr, int iCriteria)

### Public Attributes

- gString strParamSplit

### Static Public Attributes

- static bool **doAutoTrim** = true

### Protected Member Functions

- int **thisSplit** (char \*s, gString &strSplit, gList &resL)

### Protected Attributes

- **eParamCriteria** paramCriteria

---

## Member Enumeration Documentation

enum gParam::eParamCriteria

Enumeration values:

*e\_Normal*  
*e\_StopSplitOnFirst*  
*e\_NormalQuoted*

Definition at line 25 of file garg.h.

---

## Constructor & Destructor Documentation

**gParam::gParam ()**

Definition at line 13 of file garg.cpp.  
**gParam::gParam (gString & copy, char \* sParamSplit = nil, eParamCriteria aParamCriteria = e\_Normal)**

Definition at line 18 of file garg.cpp.  
**gParam::gParam (char \* s, char \* sParamSplit = nil, eParamCriteria aParamCriteria = e\_Normal)**

Definition at line 31 of file garg.cpp.  
**gParam::~~gParam () [virtual]**

Definition at line 46 of file garg.cpp.

---

## Member Function Documentation

**unsigned gParam::Find (gString & s, gString & sSubStr, int iCriteria) [virtual]**

Definition at line 110 of file garg.cpp.

**Referenced by thisSplit().gStorage \* gParam::GetNewObjectFromFormat (char \* s)**

Definition at line 50 of file garg.cpp.

**Referenced by sParamRaw::BuildParamVal().int gParam::thisSplit (char \* s, gString & strSplit, gList & resL) [protected]**

Definition at line 135 of file garg.cpp.

Referenced by GetNewObjectFromFormat(), and gParam().

---

## Member Data Documentation

**bool gParam::doAutoTrim = true [static]**

Definition at line 10 of file garg.cpp.

**Referenced by thisSplit().eParamCriteria gParam::paramCriteria [protected]**

Definition at line 46 of file garg.h.

**Referenced by thisSplit().gString gParam::strParamSplit**

Definition at line 38 of file garg.h.

Referenced by `GetNewObjectFromFormat()`, and `gParam()`.

---

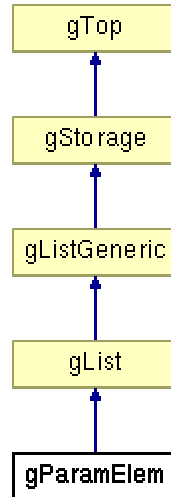
The documentation for this class was generated from the following files:

- **`garg.h`**
- **`garg.cpp`**

## gParamElem Class Reference

gParamElemgParamElem#include <garg.h>

Inheritance diagram for gParamElem:



### Public Member Functions

- **gParamElem** (eParamConfig aParamConfig=e\_ParamNotUsed)
- virtual ~gParamElem ()
- **t\_uchar MainChar** ()
- unsigned **Add** (gString &copy)
- unsigned **Add** (char \*s)
- virtual gStorage \* **NewObject** ()

### Public Attributes

- eParamConfig paramConfig
- t\_uchar mainChr
- sParamRaw sRaw

---

### Constructor & Destructor Documentation

**gParamElem::gParamElem** (eParamConfig *aParamConfig* = e\_ParamNotUsed)

Definition at line 367 of file garg.cpp.gParamElem::~gParamElem () [virtual]

Definition at line 373 of file garg.cpp.

---

### Member Function Documentation

**unsigned gParamElem::Add** (char \* s)

Reimplemented from gList (p.236).

Definition at line 382 of file garg.cpp.unsigned gParamElem::Add (gString & copy)

Reimplemented from gList (p.236).

Definition at line 377 of file garg.cpp.

**Referenced by** `gArg::thisProcessParamElem().t_uchar gParamElem::MainChar ()`  
[inline]

Definition at line 171 of file garg.h.

**Referenced by** `gArg::thisFillParamFromStr()`, and  
`gArg::thisFindParamFromChr().gStorage * gParamElem::NewObject ()` [virtual]

Reimplemented from `gListGeneric` (p.244).

Definition at line 415 of file garg.cpp.

---

## Member Data Documentation

**t\_uchar gParamElem::mainChr**

Definition at line 167 of file garg.h.

**Referenced by** `MainChar()`, and `gArg::thisProcessParamElem().eParamConfig`  
`gParamElem::paramConfig`

Definition at line 166 of file garg.h.

**Referenced by** `gArg::thisFillParamFromChr()`, `gArg::thisFillParamFromStr()`, and  
`gArg::thisProcessParamElem().sParamRaw gParamElem::sRaw`

Definition at line 168 of file garg.h.

Referenced by `Add()`, `gArg::Show()`, `gArg::thisFillParamFromChr()`, `gArg::thisFillParamFromStr()`,  
`gArg::thisFindParamFromStr()`, and `gArg::thisFlushAll()`.

---

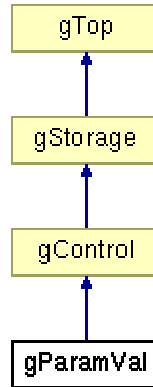
The documentation for this class was generated from the following files:

- **garg.h**
- **garg.cpp**

## gParamVal Class Reference

gParamValgParamVal#include <garg.h>

Inheritance diagram for gParamVal:



### Public Member Functions

- **gParamVal** ()
- virtual **~gParamVal** ()
- bool **GetChar** (t\_uchar &chr)
- long **GetLongValue** ()
- bool **GetLong** (long &val)
- bool **GetFloat** (float &val)
- bool **SetLong** (long val)
- bool **SetString** (char \*s)
- void **CopyParam** (gParamVal &copy)
- virtual bool **AddToList** (gList &resL)
- virtual bool **FillParam** (gString &newSVal, gStorage \*aObj)
- **gParamVal** \* **FindObj** (gList &copyL, t\_uchar chr, unsigned &idx)
- unsigned **FindMainChar** (gList &copyL, t\_uchar chr)
- virtual **gStorage** \* **NewObject** ()
- virtual t\_uchar \* **ToString** (t\_uchar \*uBuf)
- virtual void **Show** (bool doShowAll=true)

### Public Attributes

- t\_uchar **cVal**
- gString **allStr**
- gString **sufStr**
- gString **sVal**
- long long **lVal**
- float **realVal**
- short **repeats**
- int **errorCode**

---

### Constructor & Destructor Documentation

**gParamVal::gParamVal** () [inline]

**Definition at line 83 of file garg.h.virtual gParamVal::~gParamVal () [inline, virtual]**

Definition at line 91 of file garg.h.

---

## Member Function Documentation

**bool gParamVal::AddToList (gList & resL) [virtual]**

Definition at line 288 of file garg.cpp.

**Referenced by gArg::thisFlushAll().void gParamVal::CopyParam (gParamVal & copy)**

Definition at line 230 of file garg.cpp.

**Referenced by AddToList(), and NewObject().bool gParamVal::FillParam (gString & newSVal, gStorage \* aObj) [virtual]**

Definition at line 242 of file garg.cpp.

**Referenced by gArg::thisFlushAll().unsigned gParamVal::FindMainChar (gList & copyL, t\_uchar chr)**

**Definition at line 317 of file garg.cpp.gParamVal \* gParamVal::FindObj (gList & copyL, t\_uchar chr, unsigned & idx)**

Definition at line 297 of file garg.cpp.

**Referenced by FindMainChar(), and gArg::thisFlushAll().bool gParamVal::GetChar (t\_uchar & chr) [inline]**

**Definition at line 105 of file garg.h.bool gParamVal::GetFloat (float & val) [inline]**

**Definition at line 120 of file garg.h.bool gParamVal::GetLong (long & val) [inline]**

Definition at line 115 of file garg.h.

**Referenced by GetLongValue().long gParamVal::GetLongValue () [inline]**

Definition at line 110 of file garg.h.

**Referenced by Show().gStorage \* gParamVal::NewObject () [virtual]**

Reimplemented from gControl (p.29).

**Definition at line 328 of file garg.cpp.bool gParamVal::SetLong (long val) [inline]**

Definition at line 127 of file garg.h.

**Referenced by FillParam().bool gParamVal::SetString (char \* s) [inline]**

**Definition at line 132 of file garg.h.void gParamVal::Show (bool *doShowAll* = true) [virtual]**

Reimplemented from gStorage (*p.276*).

**Definition at line 341 of file garg.cpp.t\_uchar \* gParamVal::ToString (t\_uchar \* *uBuf*) [virtual]**

Reimplemented from gControl (*p.30*).

Definition at line 336 of file garg.cpp.

---

## Member Data Documentation

**gString gParamVal::allStr**

Definition at line 96 of file garg.h.

**Referenced by CopyParam(), Show(), gArg::thisFillParamFromChr(), and gArg::thisFillParamFromStr().t\_uchar gParamVal::cVal**

Definition at line 95 of file garg.h.

**Referenced by CopyParam(), FindObj(), gArg::FindOption(), GetChar(), Show(), gArg::thisFillParamFromChr(), and gArg::thisFillParamFromStr().int gParamVal::errorCode**

Definition at line 102 of file garg.h.

**Referenced by CopyParam(), FillParam(), Show(), and gArg::thisFlushAll().long long gParamVal::lVal**

Definition at line 99 of file garg.h.

**Referenced by CopyParam(), FillParam(), gArg::FindOption(), GetLong(), SetLong(), and SetString().float gParamVal::realVal**

Definition at line 100 of file garg.h.

**Referenced by CopyParam(), FillParam(), GetFloat(), SetLong(), SetString(), and Show().short gParamVal::repeats**

Definition at line 101 of file garg.h.

**Referenced by CopyParam(), gArg::FindOptionOccurr(), Show(), gArg::thisFillParamFromChr(), gArg::thisFillParamFromStr(), and gArg::thisFlushAll().gString gParamVal::sufStr**

Definition at line 97 of file garg.h.

**Referenced by CopyParam(), Show(), gArg::thisFillParamFromChr(),  
gArg::thisFillParamFromStr(), and ToString().gString gParamVal::sVal**

Definition at line 98 of file garg.h.

Referenced by CopyParam(), FillParam(), gArg::FindOption(), SetString(), and Show().

---

The documentation for this class was generated from the following files:

- **garg.h**
- **garg.cpp**

## gRandom Class Reference

`gRandom` `#include <gmath.h>`

Inheritance diagram for `gRandom`:



### Public Member Functions

- `gRandom` (unsigned `uVal`=0)
- virtual `~gRandom` ()
- virtual void `Reset` ()
- virtual void `SetSeed` (unsigned `uVal`)
- virtual void `GarbleSeed` (unsigned `uVal`=0)

### Protected Member Functions

- unsigned `thisGetRandom` (unsigned `uVal`)

### Protected Attributes

- unsigned `uRange`

---

## Constructor & Destructor Documentation

`gRandom::gRandom` (unsigned `uVal` = 0)

Definition at line 75 of file `gmath.cpp`.  
`gRandom::~gRandom` () [virtual]

Definition at line 82 of file `gmath.cpp`.

---

## Member Function Documentation

`void gRandom::GarbleSeed` (unsigned `uVal` = 0) [virtual]

Definition at line 96 of file `gmath.cpp`.  
`void gRandom::Reset` () [virtual]

Reimplemented from `gInt` (p.216).

Definition at line 86 of file `gmath.cpp`.  
`void gRandom::SetSeed` (unsigned `uVal`) [virtual]

Definition at line 91 of file gmath.cpp.

**Referenced by GarbleSeed().unsigned gRandom::thisGetRandom (unsigned *uVal*)**  
**[protected]**

Definition at line 103 of file gmath.cpp.

Referenced by gRandom(), and Reset().

---

## Member Data Documentation

**unsigned gRandom::uRange** [protected]

Definition at line 76 of file gmath.h.

Referenced by gRandom(), and Reset().

---

The documentation for this class was generated from the following files:

- **gmath.h**
- **gmath.cpp**

## gReal Class Reference

gRealgReal#include <gstorage.h>

Inheritance diagram for gReal:



### Public Member Functions

- **gReal** (float v)
- **gReal** (unsigned v=0)
- virtual ~**gReal** ()
- virtual int **GetInt** ()
- virtual int **MaximumStorageSize** ()
- virtual void **Reset** ()
- virtual bool **SetInt** (int v)
- virtual **gStorage** \* **NewObject** ()
- virtual **t\_uchar** \* **ToString** (t\_uchar \*uBuf)
- virtual bool **SaveGuts** (FILE \*f)
- virtual bool **RestoreGuts** (FILE \*f)
- virtual void **Show** (bool doShowAll=true)

### Protected Attributes

- double c

---

### Constructor & Destructor Documentation

**gReal::gReal** (float v) [inline]

Definition at line 460 of file gstorage.h.

**Referenced by NewObject().gReal::gReal** (unsigned v = 0) [inline]

**Definition at line 464 of file gstorage.h.virtual gReal::~gReal** () [inline, virtual]

Definition at line 468 of file gstorage.h.

---

### Member Function Documentation

**virtual int gReal::GetInt** () [inline, virtual]

**Definition at line 472 of file gstorage.h.****virtual int gReal::MaximumStorageSize ()**  
[inline, virtual]

Reimplemented from **gStorage** (p.275).

**Definition at line 476 of file gstorage.h.****gStorage \* gReal::NewObject ()** [virtual]

Implements **gStorage** (p.276).

**Definition at line 459 of file gstorage.cpp.****void gReal::Reset ()** [virtual]

Reimplemented from **gStorage** (p.276).

**Definition at line 453 of file gstorage.cpp.****bool gReal::RestoreGuts (FILE \* f)**  
[virtual]

Implements **gStorage** (p.276).

**Definition at line 478 of file gstorage.cpp.****bool gReal::SaveGuts (FILE \* f)** [virtual]

Implements **gStorage** (p.276).

**Definition at line 472 of file gstorage.cpp.****virtual bool gReal::SetInt (int v)** [inline, virtual]

**Definition at line 482 of file gstorage.h.****void gReal::Show (bool *doShowAll* = true)**  
[virtual]

Reimplemented from **gStorage** (p.276).

**Definition at line 488 of file gstorage.cpp.****t\_uchar \* gReal::ToString (t\_uchar \* *uBuf*)**  
[virtual]

Implements **gStorage** (p.277).

Definition at line 465 of file gstorage.cpp.

---

## Member Data Documentation

**double gReal::c** [protected]

Definition at line 498 of file gstorage.h.

Referenced by **GetInt()**, **NewObject()**, **Reset()**, **RestoreGuts()**, **SaveGuts()**, **SetInt()**, **Show()**, and **ToString()**.

---

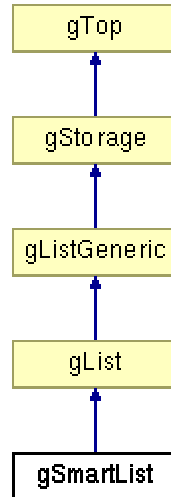
The documentation for this class was generated from the following files:

- **gstorage.h**
- **gstorage.cpp**

## gSmartList Class Reference

gSmartListgSmartList#include <glistext.h>

Inheritance diagram for gSmartList:



### Public Member Functions

- **gSmartList** (char \*s=nil, char aSmartChr=',')
- virtual **~gSmartList** ()
- virtual unsigned **MatchWhere** (char \*s)
- virtual bool **SetSmartChr** (char aSmartChr)
- virtual int **AddFromStr** (char \*s)
- virtual int **AddFromString** (gString &aS)
- virtual int **AddFromList** (gList &aL)

### Protected Attributes

- char **smartChr**
- gString **sSmartChr**

### Constructor & Destructor Documentation

**gSmartList::gSmartList** (char \* s = nil, char aSmartChr = ' , ')

Definition at line 12 of file glistext.cpp.**gSmartList::~~gSmartList** () [virtual]

Definition at line 18 of file glistext.cpp.

### Member Function Documentation

**int gSmartList::AddFromList** (gList & aL) [virtual]

Definition at line 68 of file glistext.cpp.**int gSmartList::AddFromStr** (char \* s) [virtual]

Definition at line 44 of file glistext.cpp.

**Referenced by AddFromList(), AddFromString(), gSmartList(), and gHAttrs::TypeEnumToSmartL().**  
**int gSmartList::AddFromString (gString & aS)**  
[virtual]

**Definition at line 63 of file glistext.cpp.**  
**unsigned gSmartList::MatchWhere (char \* s)**  
[virtual]

Definition at line 22 of file glistext.cpp.

**Referenced by gHATypeEnum::gHATypeEnum().**  
**bool gSmartList::SetSmartChr (char aSmartChr)** [virtual]

Definition at line 35 of file glistext.cpp.  
Referenced by gSmartList(), and gHAttrs::TypeEnumToSmartL().

---

## Member Data Documentation

**char gSmartList::smartChr** [protected]

Definition at line 22 of file glistext.h.

**Referenced by SetSmartChr().**  
**gString gSmartList::sSmartChr** [protected]

Definition at line 23 of file glistext.h.  
Referenced by AddFromStr(), and SetSmartChr().

---

The documentation for this class was generated from the following files:

- **glistext.h**
- **glistext.cpp**

## gSocket Class Reference

gSocketgSocket#include <gnet.h>

Inheritance diagram for gSocket:



### Public Types

- enum **eSocketKind** { **e\_None**, **e\_TCP** = 1, **e\_UDP** = 2, **e\_other** }

### Public Member Functions

- gSocket** (int socketHandle, **eSocketKind** socketKind)
- virtual ~**gSocket** ()
- virtual bool **IsOk** ()
- virtual bool **IsOpened** ()
- virtual bool **IsConnected** ()
- virtual int **Handle** ()
- virtual bool **Open** (t\_uchar \*uName)
- virtual bool **Close** ()
- bool **SetConnection** (gIpAddr &ipAddr)
- bool **SetConnection** (gHostAddr &hostAddr)

### Protected Attributes

- eSocketKind** sockKind

### Static Protected Attributes

- static int **sockCount** = 0

## Member Enumeration Documentation

### enum gSocket::eSocketKind

Enumeration values:

*e\_None*  
*e\_TCP*  
*e\_UDP*  
*e\_other*

Definition at line 165 of file gnet.h.

## Constructor & Destructor Documentation

**gSocket::gSocket (int *socketHandle*, eSocketKind *socketKind*)**

**Definition at line 358 of file gnet.cpp.gSocket::~gSocket () [virtual]**

Definition at line 373 of file gnet.cpp.

---

## Member Function Documentation

**bool gSocket::Close () [virtual]**

Definition at line 445 of file gnet.cpp.

**Referenced by gTcpConnect::Close(), and gTcpConnect::~gTcpConnect().int gSocket::Handle () [virtual]**

Definition at line 389 of file gnet.cpp.

**Referenced by gTcpConnect::Handle().bool gSocket::IsConnected () [virtual]**

Definition at line 395 of file gnet.cpp.

**Referenced by IsOk().bool gSocket::IsOk () [virtual]**

Reimplemented from gStorage (p.275).

Definition at line 379 of file gnet.cpp.

**Referenced by SetConnection().bool gSocket::IsOpened () [virtual]**

Definition at line 384 of file gnet.cpp.

**Referenced by gTcpConnect::Connect(), Handle(), gTcpConnect::IsOk(), IsOk(), and gTcpConnect::Show().bool gSocket::Open (t\_uchar \* *uName*) [virtual]**

Definition at line 400 of file gnet.cpp.

**Referenced by gTcpConnect::Connect().bool gSocket::SetConnection (gHostAddr & *hostAddr*)**

**Definition at line 462 of file gnet.cpp.bool gSocket::SetConnection (glpAddr & *ipAddr*)**

Definition at line 453 of file gnet.cpp.

Referenced by SetConnection().

---

## Member Data Documentation

**int gSocket::sockCount = 0** [`static`, `protected`]

Definition at line 20 of file gnet.cpp.

**Referenced by gSocket(), and Open().eSocketKind gSocket::sockKind** [`protected`]

Definition at line 188 of file gnet.h.

Referenced by Open().

---

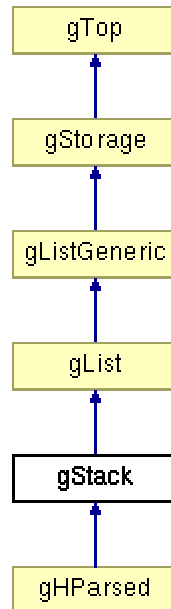
The documentation for this class was generated from the following files:

- **gnet.h**
- **gnet.cpp**

## gStack Class Reference

gStackgStack#include <gstack.h>

Inheritance diagram for gStack:



### Public Member Functions

- **gStack ()**
- **virtual ~gStack ()**
- **virtual gStorage \* GetCurrent ()**
- **virtual bool Push (gStorage \*newObj)**
- **virtual bool Pop ()**

---

### Constructor & Destructor Documentation

**gStack::gStack () [inline]**

**Definition at line 8 of file gstack.h.virtual gStack::~gStack () [inline, virtual]**

Definition at line 9 of file gstack.h.

---

### Member Function Documentation

**gStorage \* gStack::GetCurrent () [virtual]**

return GetObjectPtr( n );

Definition at line 10 of file gstack.cpp.

**Referenced by gHParsed::CurrentCouple().bool gStack::Pop () [virtual]**

Definition at line 27 of file gstack.cpp.

**Referenced by gHParsed::PopTag(), and gHParsed::TrashLast().bool gStack::Push(gStorage \* *newObj*) [virtual]**

Definition at line 21 of file gstack.cpp.

Referenced by gHParsed::thisPush().

---

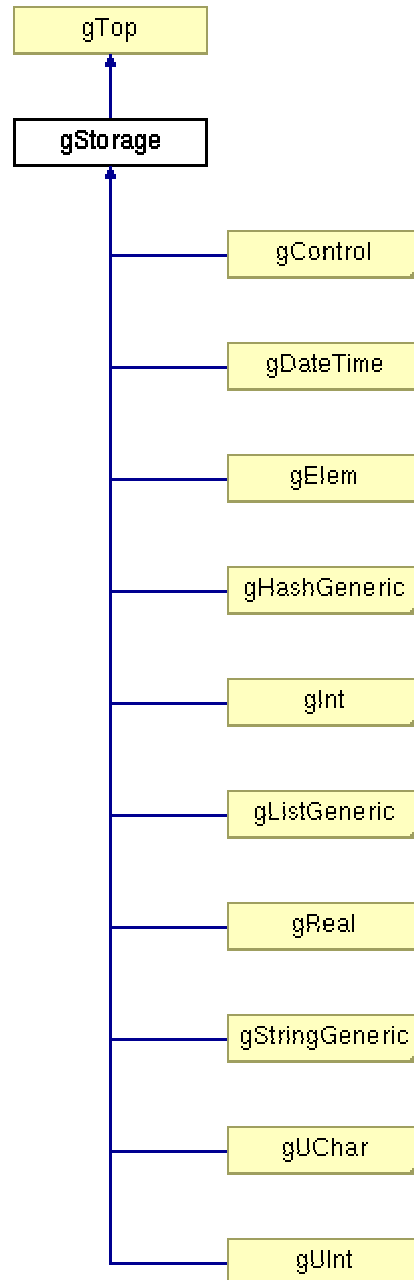
The documentation for this class was generated from the following files:

- **gstack.h**
- **gstack.cpp**

## gStorage Class Reference

gStoragegStorage#include <gstorage.h>

Inheritance diagram for gStorage:



### Public Types

- enum eStorage { e\_NoStorage, e\_ResvdStore = 1, e\_UChar = 2, e\_SChar = 3, e\_UInt = 4, e\_SInt = 5, e\_ULongInt = 6, e\_SLongInt = 7, e\_ResvdStore8 = 8, e\_ResvdStore9 = 9, e\_Real = 10, e\_List = 11, e\_ResvdStore12 = 12, e\_ResvdStore13 = 13, e\_ResvdStore14 = 14, e\_ResvdStore15 = 15, e\_ResvdStore16 = 16, e\_ResvdStore17 = 17, e\_ResvdStore18 = 18, e\_ResvdStore19 = 19, e\_String = 20, e\_StrUnicode = 21, e\_ResvdStore22 = 22, e\_ResvdStore23 = 23, e\_ResvdStore24 = 24, e\_ResvdStore25 = 25, e\_ResvdStore26 = 26, e\_ResvdStore27 = 27, e\_ResvdStore28 = 28, e\_ResvdStore29 = 29, e\_ResvdStore30 = 30, e\_StoreExtend = 31, e\_Control, e\_UnusedStore }

- enum **eStoreMethod** { **e\_StgNoStore** = 0, **e\_StgGlobalString** = 1, **e\_StgGlobalFlat** = 2, **e\_StgString** = 3, **e\_StgFlat** = 4, **e\_StgDefault** = 64 }

#### Public Member Functions

- virtual ~**gStorage** ()
- virtual bool **IsOk** ()
- **eStorage** **Kind** ()
- virtual **eStoreMethod** **GetStoreMethod** ()
- virtual char \* **StorageName** ()
- virtual bool **IsString** ()
- virtual char \* **Str** ()
- virtual int **MinimumStorageSize** ()
- virtual int **MaximumStorageSize** ()
- virtual void **Reset** ()
- virtual int **SetError** (int opError)
- virtual void **SetStoreMethod** (**eStoreMethod** aMethod)
- virtual **gStorage** \* **NewObject** ()=0
- virtual **t\_uchar** \* **ToString** (**t\_uchar** \*uBuf)=0
- virtual bool **EndGuts** ()
- virtual bool **SaveGuts** (FILE \*f)=0
- virtual bool **RestoreGuts** (FILE \*f)=0
- virtual void **Show** (bool doShowAll=true)

#### Static Public Attributes

- static const **sStorageDesc** **storeKindDesc** []

#### Protected Member Functions

- **gStorage** (**eStorage** aKind, **eStoreMethod** aMethod=**e\_StgDefault**)
- bool **thisSetStoreMethod** (**eStoreMethod** aMethod, **eStoreMethod** &resMethod)
- bool **CanSave** (FILE \*f)
- bool **CanRestore** (FILE \*f)

#### Protected Attributes

- **eStorage** **kind**
- **eStoreMethod** **storeMethod**

#### Static Protected Attributes

- static **gUCharBuffer** **oneCharBuf**

### Member Enumeration Documentation

#### enum **gStorage::eStorage**

##### Enumeration values:

*e\_NoStorage*  
*e\_ResvdStore*  
*e\_UChar*  
*e\_SChar*  
*e\_UInt*  
*e\_SInt*  
*e\_ULongInt*  
*e\_SLongInt*  
*e\_ResvdStore8*  
*e\_ResvdStore9*

*e\_Real*  
*e\_List*  
*e\_ResvdStore12*  
*e\_ResvdStore13*  
*e\_ResvdStore14*  
*e\_ResvdStore15*  
*e\_ResvdStore16*  
*e\_ResvdStore17*  
*e\_ResvdStore18*  
*e\_ResvdStore19*  
*e\_String*  
*e\_StrUnicode*  
*e\_ResvdStore22*  
*e\_ResvdStore23*  
*e\_ResvdStore24*  
*e\_ResvdStore25*  
*e\_ResvdStore26*  
*e\_ResvdStore27*  
*e\_ResvdStore28*  
*e\_ResvdStore29*  
*e\_ResvdStore30*  
*e\_StoreExtend*  
*e\_Control*  
*e\_UnusedStore*

**Definition at line 92 of file gstorage.h.enum gStorage::eStoreMethod**

**Enumeration values:**

*e\_StgNoStore*  
*e\_StgGlobalString*  
*e\_StgGlobalFlat*  
*e\_StgString*  
*e\_StgFlat*  
*e\_StgDefault*

Definition at line 128 of file gstorage.h.

---

## **Constructor & Destructor Documentation**

**gStorage::~gStorage ()** [virtual]

**Definition at line 134 of file gstorage.cpp.gStorage::gStorage (eStorage aKind, eStoreMethod aMethod = e\_StgDefault)** [protected]

Definition at line 126 of file gstorage.cpp.

---

## **Member Function Documentation**

**bool gStorage::CanRestore (FILE \* f)** [protected]

Definition at line 217 of file gstorage.cpp.

Referenced by `CanSave()`, `gUniString::RestoreGuts()`, `gDateDay::RestoreGuts()`, `gStringGeneric::RestoreGuts()`, `gReal::RestoreGuts()`, `gUInt::RestoreGuts()`, `gInt::RestoreGuts()`, `gUChar::RestoreGuts()`, `gListGeneric::RestoreGuts()`, `gHashGeneric::RestoreGuts()`, `gDirGeneric::RestoreGuts()`, `gControl::RestoreGuts()`, and `gDateTime::RestoreGuts().bool gStorage::CanSave (FILE * f) [protected]`

Definition at line 212 of file `gstorage.cpp`.

Referenced by `gUniString::SaveGuts()`, `gDateDay::SaveGuts()`, `gStringGeneric::SaveGuts()`, `gReal::SaveGuts()`, `gUInt::SaveGuts()`, `gInt::SaveGuts()`, `gUChar::SaveGuts()`, `gListGeneric::SaveGuts()`, `gHashGeneric::SaveGuts()`, `gDirGeneric::SaveGuts()`, `gControl::SaveGuts()`, and `gDateTime::SaveGuts().bool gStorage::EndGuts () [virtual]`

Definition at line 165 of file `gstorage.cpp.virtual eStoreMethod gStorage::GetStoreMethod () [inline, virtual]`

Definition at line 149 of file `gstorage.h.virtual bool gStorage::IsOk () [inline, virtual]`

Reimplemented in `gdURI (p.67)`, `gHtmlString (p.205)`, `gdHCouple (p.42)`, `gdHttpURI (p.48)`, `gdTxtCouple (p.65)`, `gHAttrs (p.119)`, `gHAType (p.125)`, `gHATypeStringSingle (p.156)`, `gHATypeSimple (p.150)`, `gHATypeSimple32 (p.152)`, `gHATypeSimpleU32 (p.154)`, `gHtmlCouple (p.190)`, `gTagTree (p.304)`, `gVector (p.342)`, `gArray (p.12)`, `gDateTime (p.35)`, `gTimeStamp (p.314)`, `gControl (p.29)`, `gFileSysName (p.96)`, `gDirGeneric (p.54)`, `gKey (p.232)`, `gURI (p.337)`, `gIpAddr (p.225)`, `gHostAddr (p.168)`, `gSocket (p.268)`, `gTcpConnect (p.307)`, and `gTagCoord (p.303)`.

Definition at line 143 of file `gstorage.h`.

Referenced by `gHAttrs::IsOk()`, `gArray::IsOk()`, and `gVector::IsOk().virtual bool gStorage::IsString () [inline, virtual]`

Definition at line 154 of file `gstorage.h.eStorage gStorage::Kind () [inline]`

Definition at line 146 of file `gstorage.h`.

Referenced by `gListGeneric::ElementsKind()`, `gParamVal::FillParam()`, `gList::GetInt()`, `gConfig::GetSectionLine()`, `gList::GetUInt()`, and `gKey::MatchStorage().virtual int gStorage::MaximumStorageSize () [inline, virtual]`

Reimplemented in `gControl (p.29)`, `gFileOut (p.87)`, `gElem (p.69)`, `gListGeneric (p.243)`, `gUChar (p.319)`, `gReal (p.264)`, and `gStringGeneric (p.295)`.

Definition at line 163 of file `gstorage.h`.

Referenced by `gDateDay::MinimumStorageSize().virtual int gStorage::MinimumStorageSize () [inline, virtual]`

Reimplemented in `gControl (p.29)`, `gFileOut (p.87)`, `gListGeneric (p.243)`, `gStringGeneric (p.295)`, and `gDateDay (p.33)`.

Definition at line 160 of file `gstorage.h`.

**Referenced by `IsString().virtual gStorage* gStorage::NewObject ()` [pure virtual]**

Implemented in `gParamVal` (p.258), `gParamElem` (p.256), `gDateTime` (p.36), `gControl` (p.29), `gKey` (p.232), `gHashGeneric` (p.110), `gElem` (p.69), `gListGeneric` (p.244), `gUChar` (p.319), `gInt` (p.216), `gUInt` (p.323), `gReal` (p.264), `gString` (p.289), `gDateDay` (p.33), `gUniString` (p.325), and `gIntCoord` (p.219).

**Referenced by `gList::CopyList().virtual void gStorage::Reset ()` [inline, virtual]**

Reimplemented in `gHAttrList` (p.116), `gHAttrs` (p.119), `gHAType` (p.125), `gTagTree` (p.305), `gHTree` (p.209), `gVector` (p.343), `gArray` (p.13), `gDateTime` (p.36), `gControl` (p.29), `gKey` (p.232), `gListGeneric` (p.244), `gRandom` (p.261), `gIpAddr` (p.225), `gUChar` (p.319), `gInt` (p.216), `gUInt` (p.323), `gReal` (p.264), `gStringGeneric` (p.295), `gTimerTic` (p.312), `gIntCoord` (p.219), and `gTagCoord` (p.303).

Definition at line 172 of file `gstorage.h`.

**Referenced by `gStringGeneric::Reset()`, `gReal::Reset()`, `gUInt::Reset()`, `gInt::Reset()`, and `gUChar::Reset().virtual bool gStorage::RestoreGuts (FILE * f)` [pure virtual]**

Implemented in `gArg` (p.7), `gDateTime` (p.36), `gControl` (p.30), `gDirGeneric` (p.54), `gHashGeneric` (p.110), `gHash` (p.103), `gElem` (p.70), `gListGeneric` (p.244), `gList` (p.238), `gUChar` (p.319), `gInt` (p.216), `gUInt` (p.323), `gReal` (p.264), `gStringGeneric` (p.295), `gString` (p.290), `gDateDay` (p.33), and `gUniString` (p.326). **`virtual bool gStorage::SaveGuts (FILE * f)` [pure virtual]**

Implemented in `gArg` (p.7), `gDateTime` (p.36), `gControl` (p.30), `gDirGeneric` (p.54), `gHashGeneric` (p.110), `gHash` (p.103), `gElem` (p.70), `gListGeneric` (p.244), `gList` (p.238), `gUChar` (p.319), `gInt` (p.216), `gUInt` (p.323), `gReal` (p.264), `gStringGeneric` (p.295), `gString` (p.290), `gDateDay` (p.33), and `gUniString` (p.326).

**Referenced by `gElem::RestoreGuts()`, and `gElem::SaveGuts().int gStorage::SetError (int opError)` [virtual]**

Reimplemented in `gHtmlParser` (p.201), `gDateTime` (p.36), and `gControl` (p.30).

Definition at line 149 of file `gstorage.cpp`.

**Referenced by `Reset()`, and `gDateTime::SetError().void gStorage::SetStoreMethod (eStoreMethod aMethod)` [virtual]**

**Definition at line 157 of file `gstorage.cpp.void gStorage::Show (bool doShowAll = true)` [virtual]**

Reimplemented in `gdHCouple` (p.42), `gdTxtCouple` (p.65), `gHAttrs` (p.119), `gHOutOpt` (p.171), `gHtmlContent` (p.186), `gHSelConf` (p.178), `gHTree` (p.209), `gParamVal` (p.259), `gArg` (p.7), `gKey` (p.233), `gHashElemTriple` (p.107), `gHash` (p.103), `gList` (p.238), `gIpAddr` (p.225), `gHostAddr` (p.168), `gTcpConnect` (p.307), `gInt` (p.216), `gUInt` (p.323), `gReal` (p.264), `gString` (p.290), `gUniString` (p.326), and `gIntCoord` (p.220).

Definition at line 172 of file `gstorage.cpp`.

**Referenced by `sParamRaw::BuildParamVal()`, `gUniString::Show()`, `gList::Show()`, and `gHash::Show().char * gStorage::StorageName ()` [virtual]**

Reimplemented in `gDateTime` (p.36).

**Definition at line 138 of file `gstorage.cpp.char * gStorage::Str ()` [virtual]**

Reimplemented in `gHAttrList` (p.116), `gTagTree` (p.305), `gVector` (p.343), `gArray` (p.13), `gFileName` (p.96), `gDirName` (p.57), `gURI` (p.337), `gElem` (p.70), and `gStringGeneric` (p.296).

Definition at line 144 of file gstorage.cpp.

**Referenced by** gHtmlCouple::AddText(), gConfig::GetSectionLine(), gHtmlCouple::GetStr(), gdTxtCouple::GetStr(), gdHCouple::GetStr(), gHtmlCouple::GetStrForTree(), gList::Match(), gSmartList::MatchWhere(), gList::Show(), gHtmlContent::Show(), gdTxtCouple::Show(), gElem::Str(), gList::thisFind(), gKey::ToString(), gListGeneric::UStr(), and gHSeq::~gHSeq().bool gStorage::thisSetStoreMethod (eStoreMethod *aMethod*, eStoreMethod & *resMethod*) [protected]

Definition at line 188 of file gstorage.cpp.

**Referenced by** SetStoreMethod().virtual t\_uchar\* gStorage::ToString (t\_uchar \* *uBuf*) [pure virtual]

Implemented in gParamVal (p.259), gArg (p.8), gDateTime (p.37), gControl (p.30), gDirName (p.57), gDirGeneric (p.54), gKey (p.233), gHashGeneric (p.111), gHash (p.104), gElem (p.70), gListGeneric (p.245), gList (p.238), gIpAddr (p.226), gTcpConnect (p.307), gUChar (p.319), gInt (p.216), gUInt (p.323), gReal (p.264), gStringGeneric (p.298), gString (p.291), gUniString (p.326), and gIntCoord (p.220).

Referenced by sParamRaw::BuildParamVal(), Str(), and gElem::ToString().

---

## Member Data Documentation

**eStorage gStorage::kind** [protected]

Definition at line 194 of file gstorage.h.

**Referenced by** Kind(), Show(), and StorageName().gUCharBuffer gStorage::oneCharBuf [static, protected]

**Referenced by** gReal::MaximumStorageSize(), and Str().const sStorageDesc gStorage::storeKindDesc [static]

Definition at line 14 of file gstorage.cpp.

**Referenced by** Show(), and StorageName().eStoreMethod gStorage::storeMethod [protected]

Definition at line 195 of file gstorage.h.

Referenced by GetStoreMethod(), and SetStoreMethod().

---

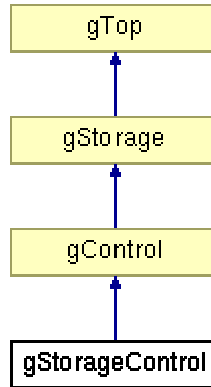
The documentation for this class was generated from the following files:

- gstorage.h
- gstorage.cpp

## gStorageControl Class Reference

gStorageControlgStorageControl#include <gcontrol.h>

Inheritance diagram for gStorageControl:



### Public Member Functions

- virtual ~gStorageControl ()
- virtual int NumObjs ()
- virtual char \* StorageKindName (short refKind)
- void StaticAlloc (char \*msgStr, int incrNrStaticStgObjs)
- bool IsServiceUsed (short servIdx)
- char \* GetServiceName (short servIdx)
- sStorageDesc & GetServiceDescriptor (short servIdx)
- sServiceRegister & GetService (char \*descStr)
- sServiceRegister \* GetServicePtr (char \*descStr)
- short RegisterService (char \*descStr, short refKind, short servIdx=-1)
- void ServiceAlloc (char \*descStr, unsigned nNodes=0)
- bool ServiceAdd (char \*descStr, sServiceNode &aNode)
- bool ServiceDelete (char \*descStr, gStorage \*pStorage)
- void Release ()

### Static Public Member Functions

- static gStorageControl & Self ()

### Static Public Attributes

- static short assertedNr = 0

### Protected Member Functions

- gStorageControl ()
- short thisFindService (char \*descStr, short &refKind)

### Protected Attributes

- short nServices

### Static Protected Attributes

- static sServiceRegister \* pServReg = nil

## Constructor & Destructor Documentation

**gStorageControl::~gStorageControl ()** [virtual]

Definition at line 141 of file gcontrol.cpp.gStorageControl::gStorageControl ()  
[protected]

Definition at line 134 of file gcontrol.cpp.

---

## Member Function Documentation

**sServiceRegister & gStorageControl::GetService (char \* descStr)**

Definition at line 197 of file gcontrol.cpp.sStorageDesc &  
gStorageControl::GetServiceDescriptor (short servIdx)

Definition at line 190 of file gcontrol.cpp.char \* gStorageControl::GetServiceName  
(short servIdx)

Definition at line 182 of file gcontrol.cpp.sServiceRegister \*  
gStorageControl::GetServicePtr (char \* descStr)

Definition at line 205 of file gcontrol.cpp.bool gStorageControl::IsServiceUsed (short  
servIdx)

Definition at line 177 of file gcontrol.cpp.int gStorageControl::NumObjs () [virtual]

Definition at line 149 of file gcontrol.cpp.short gStorageControl::RegisterService (char  
\* descStr, short refKind, short servIdx = -1)

Definition at line 213 of file gcontrol.cpp.void gStorageControl::Release ()

Definition at line 264 of file gcontrol.cpp.

**Referenced by ~gStorageControl().static gStorageControl& gStorageControl::Self ()**  
[inline, static]

Definition at line 82 of file gcontrol.h.

Referenced by `gSocket::Close()`, `gFileControl::End()`, `gArrayCollect::gArrayCollect()`, `gControl::gControl()`, `gSocket::gSocket()`, `gStrControl::gStrControl()`, `gHtmlCtrl::Init()`, `gSocket::Open()`, and `gFileFetch::thisReadAll().bool` `gStorageControl::ServiceAdd(char * descStr, sServiceNode & aNode)`

Definition at line 243 of file `gcontrol.cpp`.  
`void gStorageControl::ServiceAlloc(char * descStr, unsigned nNodes = 0)`

Definition at line 237 of file `gcontrol.cpp`.  
`bool gStorageControl::ServiceDelete(char * descStr, gStorage * pStorage)`

Definition at line 255 of file `gcontrol.cpp`.  
`void gStorageControl::StaticAlloc(char * msgStr, int incrNrStaticStgObjs)`

Definition at line 170 of file `gcontrol.cpp`.  
`char * gStorageControl::StorageKindName(short refKind) [virtual]`

Definition at line 156 of file `gcontrol.cpp`.  
`short gStorageControl::thisFindService(char * descStr, short & refKind) [protected]`

Definition at line 275 of file `gcontrol.cpp`.

---

## Member Data Documentation

`short gStorageControl::assertedNr = 0 [static]`

Definition at line 15 of file `gcontrol.cpp`.

Referenced by `~gStorageControl()`.  
`short gStorageControl::nServices [protected]`

Definition at line 115 of file `gcontrol.h`.  
`sServiceRegister * gStorageControl::pServReg = nil [static, protected]`

Definition at line 16 of file `gcontrol.cpp`.

Referenced by `gStorageControl()`.

---

The documentation for this class was generated from the following files:

- `gcontrol.h`
- `gcontrol.cpp`

## gStrControl Class Reference

gStrControlgStrControl#include <gstringext.h>

### Public Member Functions

- **~gStrControl** ()
- **bool DoUseCaseCp** ()
- **bool IsOkChar** (t\_uchar c)
- **t\_gCpCode GetDefaultIsoPage** ()
- **bool IsDigConvRelaxed** ()
- **char \* GetPathUnicode** ()
- **int GetFilenameCode** (t\_gCpCode aCpCode, gString &sCodepage)
- **bool Match** (char \*s1, char \*s2, bool doIgnoreCase=false)
- **int Compare** (char \*s1, char \*s2, bool doIgnoreCase=false)
- **unsigned Find** (char \*s, char \*sub, bool doIgnoreCase=false)
- **unsigned Find** (char \*s, t\_uchar subChr, bool doIgnoreCase=false)
- **int Init** (char \*strPath=nil, t\_gCpCode alsoPage=1)
- **int InitTab** (t\_gCpCode alsoPage)
- **bool UseCaseCodepage** (bool doUseCaseCp)
- **void SetConvertRelax** (bool doRelax)
- **int ConvertToUInt32** (char \*s, t\_uint32 &vRes)
- **int ConvertToInt32** (char \*s, t\_int32 &vRes)
- **int ConvertToUInt32** (char \*s, unsigned base, eDigitConv caseSense, t\_uint32 &vRes, unsigned &posErr)
- **int ConvertToInt32** (char \*s, unsigned base, eDigitConv caseSense, t\_int32 &vRes, unsigned &posErr)
- **int ConvertHexToUInt32** (char \*s, eDigitConv caseSense, t\_uint32 &vRes)
- **void ConvertBinToStr** (t\_uint32 v, t\_int16 places, gString &sRes)
- **void ConvertBinToStr** (t\_uint32 v, gString &sRes)
- **int ReturnAndAssignUInt32** (int returnValue, t\_uint64 value, t\_uint32 &vRes)

### Static Public Member Functions

- **static gStrControl & Self** ()

### Public Attributes

- **int lastOpError**
- **FILE \* fReport**

### Static Public Attributes

- **static sIanaCountry2 tblIanaCountry []**

### Protected Member Functions

- **gStrControl** ()
- **int thisInit** (char \*thbFilename, gDir &dir, t\_gCpCode alsoPage)
- **unsigned thisFind** (char \*s, char \*sub, unsigned startPos, bool doIgnoreCase, bool doUseCaseCp)
- **unsigned thisFindChr** (char \*s, t\_uchar subChr, unsigned startPos, bool doIgnoreCase, bool doUseCaseCp)

---

## Constructor & Destructor Documentation

**gStrControl::~gStrControl** ()

**Definition at line 1058 of file gstringext.cpp.gStrControl::gStrControl () [protected]**

Definition at line 1041 of file gstringext.cpp.

---

## Member Function Documentation

**int gStrControl::Compare (char \* s1, char \* s2, bool *doIgnoreCase* = false)**

Definition at line 1080 of file gstringext.cpp.

**Referenced by Match().void gStrControl::ConvertBinToStr (t\_uint32 v, gString & sRes) [inline]**

**Definition at line 337 of file gstringext.h.void gStrControl::ConvertBinToStr (t\_uint32 v, t\_int16 *places*, gString & sRes)**

Definition at line 1253 of file gstringext.cpp.

**Referenced by ConvertBinToStr().int gStrControl::ConvertHexToUInt32 (char \* s, eDigitConv *caseSense*, t\_uint32 & vRes) [inline]**

**Definition at line 326 of file gstringext.h.int gStrControl::ConvertToInt32 (char \* s, unsigned *base*, eDigitConv *caseSense*, t\_int32 & vRes, unsigned & posErr)**

**Definition at line 1223 of file gstringext.cpp.int gStrControl::ConvertToInt32 (char \* s, t\_int32 & vRes)**

**Definition at line 1139 of file gstringext.cpp.int gStrControl::ConvertToUInt32 (char \* s, unsigned *base*, eDigitConv *caseSense*, t\_uint32 & vRes, unsigned & posErr)**

**Definition at line 1151 of file gstringext.cpp.int gStrControl::ConvertToUInt32 (char \* s, t\_uint32 & vRes)**

Definition at line 1127 of file gstringext.cpp.

**Referenced by ConvertHexToUInt32(), and ConvertToInt32().bool gStrControl::DoUseCaseCp () [inline]**

Definition at line 266 of file gstringext.h.

**Referenced by Find().unsigned gStrControl::Find (char \* s, t\_uchar *subChr*, bool *doIgnoreCase* = false) [inline]**

**Definition at line 294 of file gstringext.h.unsigned gStrControl::Find (char \* s, char \* sub, bool *doIgnoreCase* = false) [inline]**

**Definition at line 290 of file gstringext.h.t\_gCpCode gStrControl::GetDefaultIsoPage () [inline]**

**Definition at line 271 of file gstringext.h.int gStrControl::GetFilenameCode (t\_gCpCode aCpCode, gString & sCodepage)**

**Definition at line 1067 of file gstringext.cpp.char\* gStrControl::GetPathUnicode () [inline]**

Definition at line 279 of file gstringext.h.

**Referenced by GetFilenameCode().int gStrControl::Init (char \* *strPath* = nil, t\_gCpCode *alsoPage* = 1)**

Definition at line 1092 of file gstringext.cpp.

**Referenced by gStrControl().int gStrControl::InitTab (t\_gCpCode *alsoPage*)**

**Definition at line 1120 of file gstringext.cpp.bool gStrControl::IsDigConvRelaxed () [inline]**

Definition at line 275 of file gstringext.h.

**Referenced by ConvertToUInt32().bool gStrControl::IsOkChar (t\_uchar c)**

**Definition at line 1062 of file gstringext.cpp.bool gStrControl::Match (char \* s1, char \* s2, bool *doIgnoreCase* = false) [inline]**

**Definition at line 286 of file gstringext.h.int gStrControl::ReturnAndAssignUInt32 (int *returnValue*, t\_uint64 *value*, t\_uint32 & *vRes*)**

Definition at line 1279 of file gstringext.cpp.

**Referenced by ConvertToUInt32().static gStrControl& gStrControl::Self () [inline, static]**

Definition at line 256 of file gstringext.h.

**Referenced by gXHttpRequestHeader::AddLine(), gHtmlString::ConvertAmpToAscii(), gHATypeSimpleU32::ConvertHexStrToUInt32(), gHInOpt::ConvertToInt(), gdHCouple::CopyNormalizeAttr(), gAttrList::Find(), gUnweb::FindStringKey(),**

**gUniString::GetHexa(), gUniString::GetHexa0x(), gXHttpRequestHeader::GetLength(),  
gHATypeColor::gHATypeColor(), gHATypeLength::gHATypeLength(),  
gHATypeSimple32::gHATypeSimple32(), gHATypeSimpleU32::gHATypeSimpleU32(),  
gSmartList::MatchWhere(), gdHttpRequest::ParseProxyStr(),  
gHtmlContent::thisAddHtmlTag(), gURL::thisFetchScheme(),  
gXHttpRequestGeneric::thisParseServerReply(), gURL::thisParseString(),  
gUnweb::thisPostProcess(), gUnweb::thisPreProcess(),  
gUnweb::thisPreStripComments(), gXHttpRequestCont::thisReadChunkSize(), and  
gVersion::thisSetMajorOrMinor().void gStrControl::SetConvertRelax (bool *doRelax*)  
[inline]**

**Definition at line 303 of file gstringext.h.unsigned gStrControl::thisFind (char \* *s*, char \*  
*sub*, unsigned *startPos*, bool *doIgnoreCase*, bool *doUseCaseCp*) [protected]**

Definition at line 1300 of file gstringext.cpp.

**Referenced by Find(), and thisFindChr().unsigned gStrControl::thisFindChr (char \* *s*,  
t\_uchar *subChr*, unsigned *startPos*, bool *doIgnoreCase*, bool *doUseCaseCp*)  
[protected]**

Definition at line 1329 of file gstringext.cpp.

**Referenced by Find().int gStrControl::thisInit (char \* *thbFilename*, gDir & *dir*,  
t\_gCpCode *alsoPage*) [protected]**

Definition at line 1287 of file gstringext.cpp.

**Referenced by Init().bool gStrControl::UseCaseCodepage (bool *doUseCaseCp*)**

Definition at line 1112 of file gstringext.cpp.

---

## Member Data Documentation

**FILE\* gStrControl::fReport**

**Definition at line 262 of file gstringext.h.int gStrControl::lastOpError**

Definition at line 261 of file gstringext.h.

**Referenced by Init().slanaCountry2 gStrControl::tblanaCountry [static]**

Definition at line 13 of file gstringext.cpp.

---

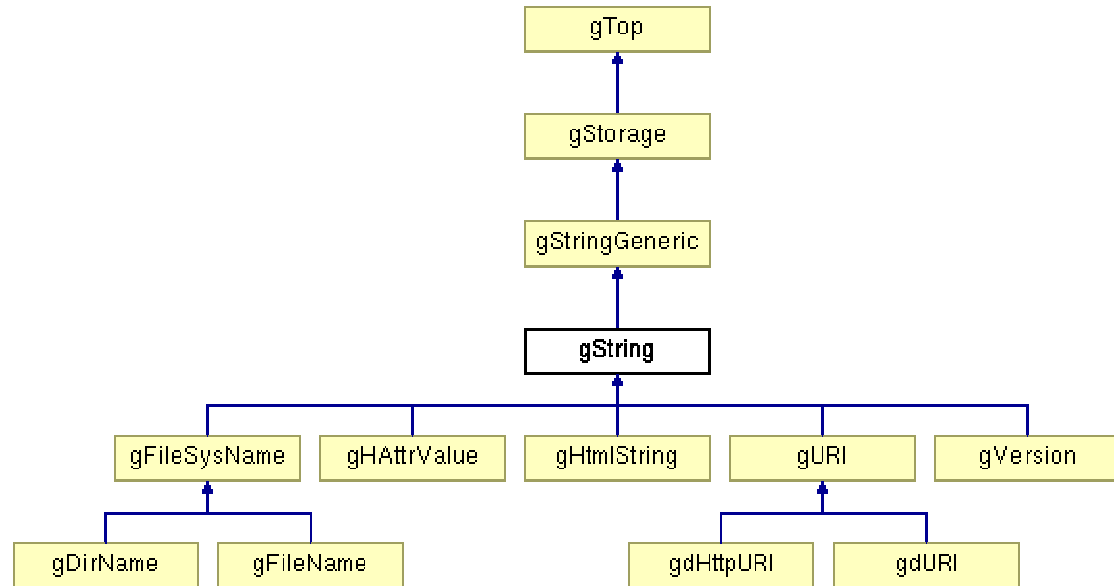
The documentation for this class was generated from the following files:

- **gstringext.h**
- **gstringext.cpp**

## gString Class Reference

gStringgString#include <gstring.h>

Inheritance diagram for gString:



### Public Member Functions

- **gString** ()
- **gString** (gString &copy)
- **gString** (char \*s)
- **gString** (t\_uchar \*s)
- **gString** (char c)
- **gString** (unsigned nBytes, char c)
- virtual ~gString ()
- bool **Match** (gString &copy, bool doIgnoreCase=false)
- bool **Match** (char \*s, bool doIgnoreCase=false)
- unsigned **Find** (gString &sSub, bool doIgnoreCase=false)
- unsigned **Find** (char \*s, bool doIgnoreCase=false)
- unsigned **Find** (char c, bool doIgnoreCase=false)
- unsigned **Find** (gString &sSub, unsigned &nOcc, bool doIgnoreCase=false)
- unsigned **Find** (char \*s, unsigned &nOcc, bool doIgnoreCase=false)
- unsigned **Find** (char c, unsigned &nOcc, bool doIgnoreCase=false)
- unsigned **FindBack** (gString &sSub, bool doIgnoreCase=false)
- unsigned **FindBack** (char \*s, bool doIgnoreCase=false)
- unsigned **FindBack** (char c, bool doIgnoreCase=false)
- unsigned **FindAnyChr** (gString &b, bool doIgnoreCase=false)
- unsigned **FindAnyChr** (char \*s, bool doIgnoreCase=false)
- unsigned **FindAnyChr** (gString &b, bool doIgnoreCase, unsigned &posAny)
- unsigned **FindAnyChr** (char \*s, bool doIgnoreCase, unsigned &posAny)
- unsigned **FindExcept** (gString &sExcept, bool doIgnoreCase=false)
- unsigned **FindExcept** (char \*s, bool doIgnoreCase=false)
- virtual unsigned **AddString** (gString &a)
- virtual void **Copy** (gString &copy)
- virtual gString & **CopyFromTo** (gString &copy, unsigned startPos=0, unsigned endPos=0)
- virtual gString & **CopyFromToStr** (char \*s, unsigned startPos=0, unsigned endPos=0)
- virtual unsigned **Delete** (unsigned startPos=0, unsigned endPos=0)
- virtual unsigned **Insert** (gString &copy, unsigned startPos=0)

- virtual unsigned **InsertStr** (char \*s, unsigned startPos=0)
- virtual bool **Trim** ()
- virtual bool **TrimLeft** ()
- virtual bool **TrimRight** ()
- **gString** & **operator=** (gString &copy)
- **gString** & **operator=** (char \*s)
- **gString** & **operator=** (char c)
- **gString** & **operator=** (int v)
- **gString** & **operator+** (gString &copy)
- **gString** & **operator+=** (gString &copy)
- virtual gStorage \* **NewObject** ()
- virtual t\_uchar \* **ToString** (t\_uchar \*uBuf)
- virtual bool **SaveGuts** (FILE \*f)
- virtual bool **RestoreGuts** (FILE \*f)
- virtual void **Show** (bool doShowAll=true)

### Protected Member Functions

- int **thisMatch** (char \*s1, char \*s2, bool doIgnoreCase)
- unsigned **thisFind** (char \*s, char \*sub, unsigned startPos, bool doIgnoreCase)
- unsigned **thisFindAny** (char \*s, char \*strAny, bool doIgnoreCase, unsigned &posAny)
- unsigned **thisFindFwd** (char \*s, char \*sub, unsigned startPos, bool doIgnoreCase, unsigned &nOcc)
- unsigned **thisFindFwdOcc** (char \*s, char \*sub, unsigned &nOcc)
- unsigned **thisFindBack** (char \*s, char \*sub, unsigned startPos, bool doIgnoreCase, unsigned &nOcc)
- unsigned **thisFindBackOcc** (char \*s, char \*sub, unsigned &nOcc)
- unsigned **thisFindExcept** (char \*s, char \*exceptStr, unsigned startPos, bool doIgnoreCase)

### Constructor & Destructor Documentation

#### gString::gString ()

Definition at line 315 of file gstring.cpp.

#### Referenced by NewObject().gString::gString (gString & copy)

Definition at line 324 of file gstring.cpp.gString::gString (char \* s)

Definition at line 334 of file gstring.cpp.gString::gString (t\_uchar \* s)

Definition at line 344 of file gstring.cpp.gString::gString (char c)

Definition at line 354 of file gstring.cpp.gString::gString (unsigned nBytes, char c)

Definition at line 364 of file gstring.cpp.gString::~gString () [virtual]

Definition at line 378 of file gstring.cpp.

## Member Function Documentation

**unsigned gString::AddString (gString & a) [virtual]**

Definition at line 491 of file gstring.cpp.

Referenced by gHtmlOpt::GetBaseHRef(), gDir::GetFullNameDir(), gXHttpCont::GetHeadRefererStr(), gXHttpCont::GetHeadUserAgentStr(), gHtmlCouple::GetStr(), gdHCouple::GetStr(), gHtmlCouple::GetStrForTree(), Insert(), operator+=(), gHtmlCouple::TagString(), gXHttpReplyHeader::thisAddLine(), gXHttpCont::thisGetHtmlContrl(), gUnweb::thisPostProcess(), gUnweb::thisPreJoin(), gHtmlContent::UpCaseAttributes(), and gXHttpGeneric::WriteHead().void gString::Copy (gString & copy) [virtual]

Definition at line 497 of file gstring.cpp.

Referenced by gFileStat::CopyStat(), Delete(), operator=(), TrimLeft(), and TrimRight().gString & gString::CopyFromTo (gString & copy, unsigned startPos = 0, unsigned endPos = 0) [virtual]

Definition at line 502 of file gstring.cpp.

Referenced by gHtmlString::ConvertAmpToAscii(), gHtmlString::ConvertHTToAscii(), CopyFromToStr(), gAttrList::Find(), gAttrList::GetAttrValue(), gdURL::GetDomainAndPathStr(), gdURL::GetPathNameStr(), gdURL::GetRelativePathStr(), Insert(), sFileKind::Process(), gHtmlContent::thisAddHmtlLine(), gUnweb::thisConsolidateDataCoord(), gdTxtCouple::thisInitTxtCouple(), gConfig::thisParseLine(), gUnweb::thisPostProcess(), gUnweb::thisPreJoin(), gConfig::thisProcess(), gArg::thisProgramName(), gURL::thisSetDomainPath(), gUnweb::thisStrMove(), and gHAType::Unquote().virtual gString& gString::CopyFromToStr (char \* s, unsigned startPos = 0, unsigned endPos = 0) [inline, virtual]

Definition at line 132 of file gstring.h.unsigned gString::Delete (unsigned startPos = 0, unsigned endPos = 0) [virtual]

Definition at line 523 of file gstring.cpp.

Referenced by gHtmlString::ConvertToHString(), sFileKind::Process(), gArg::thisFlushAll(), gConfig::thisRead(), and gParam::thisSplit().unsigned gString::Find (char c, unsigned & nOcc, bool dolgnoreCase = false)

Definition at line 421 of file gstring.cpp.unsigned gString::Find (char \* s, unsigned & nOcc, bool dolgnoreCase = false)

Definition at line 416 of file gstring.cpp.unsigned gString::Find (gString & sSub, unsigned & nOcc, bool dolgnoreCase = false)

**Definition at line 411 of file gstring.cpp.unsigned gString::Find (char c, bool *dolgnoreCase* = false)**

**Definition at line 402 of file gstring.cpp.unsigned gString::Find (char \* s, bool *dolgnoreCase* = false)**

**Definition at line 397 of file gstring.cpp.unsigned gString::Find (gString & sSub, bool *dolgnoreCase* = false)**

Definition at line 392 of file gstring.cpp.

**Referenced by gParam::Find(), gHttpRequestList::FindHeadFullFirst(), gXHttpCont::GetContent(), gXHttpReplyHeader::GetLength(), gFileTemp::gFileTemp(), gHOutOpt::HasToSkip(), gHATypeStringSingle::IsOk(), gURI::IsValidDomain(), sFileKind::Process(), gUnweb::thisConsolidateDataCoord(), gList::thisFind(), gArg::thisFindParamFromStr(), gArg::thisFlushAll(), gUnweb::thisPreJoin(), gConfig::thisProcess(), gConfig::thisRead(), gURI::thisSetDomainPath(), and gUnweb::thisStrMove().unsigned gString::FindAnyChr (char \* s, bool *dolgnoreCase*, unsigned & posAny)**

**Definition at line 469 of file gstring.cpp.unsigned gString::FindAnyChr (gString & b, bool *dolgnoreCase*, unsigned & posAny)**

**Definition at line 464 of file gstring.cpp.unsigned gString::FindAnyChr (char \* s, bool *dolgnoreCase* = false)**

**Definition at line 458 of file gstring.cpp.unsigned gString::FindAnyChr (gString & b, bool *dolgnoreCase* = false)**

Definition at line 452 of file gstring.cpp.

**Referenced by gConfig::thisParseLine().unsigned gString::FindBack (char c, bool *dolgnoreCase* = false)**

**Definition at line 442 of file gstring.cpp.unsigned gString::FindBack (char \* s, bool *dolgnoreCase* = false)**

**Definition at line 436 of file gstring.cpp.unsigned gString::FindBack (gString & sSub, bool *dolgnoreCase* = false)**

Definition at line 430 of file gstring.cpp.

**Referenced by gdURI::GetDomainAndPathStr(), gdURI::GetPathNameStr(), gHInOpt::SetFromString(), gConfig::thisProcess(), and**

**gArg::thisProgramName().unsigned gString::FindExcept (char \* s, bool *doIgnoreCase* = false)**

**Definition at line 484 of file gstring.cpp.unsigned gString::FindExcept (gString & *sExcept*, bool *doIgnoreCase* = false)**

Definition at line 474 of file gstring.cpp.

**Referenced by sParamRaw::AddMember(), gdURI::GetRelativePathStr(), gdURI::IsValidDomain(), gdHttpURI::ParseProxyStr(), gUnweb::thisAddTxt(), gUnweb::thisConsolidateDataCoord(), and gArg::thisProcessParamElem().unsigned gString::Insert (gString & *copy*, unsigned *startPos* = 0) [virtual]**

Definition at line 549 of file gstring.cpp.

**Referenced by gdURI::GetDomainAndPathStr(), and InsertStr().virtual unsigned gString::InsertStr (char \* s, unsigned *startPos* = 0) [inline, virtual]**

**Definition at line 140 of file gstring.h.bool gString::Match (char \* s, bool *doIgnoreCase* = false)**

**Definition at line 387 of file gstring.cpp.bool gString::Match (gString & *copy*, bool *doIgnoreCase* = false)**

Definition at line 382 of file gstring.cpp.

**Referenced by gHtmlCouple::AddTag(), gdHttpSnarf::GetHeaderLines(), gConfig::GetSectionFromName(), sOptSnarf::GoCmdHttp(), gKey::HashStrPos(), gList::Match(), gFileControl::SetSignaledByStr(), gURI::thisFetchScheme(), gHOutOpt::thisHasTidyAttr(), gDirGeneric::thisNameOk(), gArg::thisProcessParamElem(), and gHtmlContent::UpCaseAttributes().gStorage \* gString::NewObject () [virtual]**

Implements gStorage (p.276).

**Definition at line 608 of file gstring.cpp.gString & gString::operator+ (gString & *copy*)**

**Definition at line 595 of file gstring.cpp.gString & gString::operator+= (gString & *copy*)**

**Definition at line 602 of file gstring.cpp.gString & gString::operator= (int v)**

**Definition at line 587 of file gstring.cpp.gString & gString::operator= (char c)**

**Definition at line 578 of file gstring.cpp.gString & gString::operator= (char \* s)**

**Definition at line 570 of file gstring.cpp.gString & gString::operator= (gString & copy)**

**Definition at line 564 of file gstring.cpp.bool gString::RestoreGuts (FILE \* f) [virtual]**

Reimplemented from **gStringGeneric** (p.295).

**Definition at line 624 of file gstring.cpp.bool gString::SaveGuts (FILE \* f) [virtual]**

Reimplemented from **gStringGeneric** (p.295).

Definition at line 619 of file gstring.cpp.

**Referenced by gListGeneric::SaveGuts().void gString::Show (bool doShowAll = true) [virtual]**

Reimplemented from **gStorage** (p.276).

**Definition at line 629 of file gstring.cpp.unsigned gString::thisFind (char \* s, char \* sub, unsigned startPos, bool dolgnoreCase) [protected]**

Definition at line 652 of file gstring.cpp.

**Referenced by Find(), thisFindBackOcc(), and thisFindFwdOcc().unsigned gString::thisFindAny (char \* s, char \* strAny, bool dolgnoreCase, unsigned & posAny) [protected]**

Definition at line 680 of file gstring.cpp.

**Referenced by FindAnyChr().unsigned gString::thisFindBack (char \* s, char \* sub, unsigned startPos, bool dolgnoreCase, unsigned & nOcc) [protected]**

Definition at line 756 of file gstring.cpp.

**Referenced by FindBack().unsigned gString::thisFindBackOcc (char \* s, char \* sub, unsigned & nOcc) [protected]**

Definition at line 774 of file gstring.cpp.

**Referenced by thisFindBack().unsigned gString::thisFindExcept (char \* s, char \* exceptStr, unsigned startPos, bool dolgnoreCase) [protected]**

Definition at line 795 of file gstring.cpp.

**Referenced by FindExcept().unsigned gString::thisFindFwd (char \* s, char \* sub, unsigned startPos, bool dolgnoreCase, unsigned & nOcc) [protected]**

Definition at line 716 of file gstring.cpp.

**Referenced by Find().unsigned gString::thisFindFwdOcc (char \* s, char \* sub, unsigned & nOcc) [protected]**

Definition at line 734 of file gstring.cpp.

**Referenced by thisFindFwd().int gString::thisMatch (char \* s1, char \* s2, bool dolgnoreCase) [protected]**

Definition at line 639 of file gstring.cpp.

**Referenced by Match().t\_uchar \* gString::ToString (t\_uchar \* uBuf) [virtual]**

Reimplemented from **gStringGeneric** (p.298).Reimplemented in **gDirName** (p.57).

Definition at line 614 of file gstring.cpp.

**Referenced by gDirName::ToString().bool gString::Trim () [virtual]**

Definition at line 177 of file gstring.cpp.

**Referenced by sCoordText::Add(), gHtmlCouple::Add(), gHtmlCouple::AddTag(), gStrControl::ConvertToInt32(), gStrControl::ConvertToUInt32(), gHATypeLength::gHATypeLength(), sFileKind::Process(), gHtmlContent::thisAddHmtlLine(), gHtmlContent::thisAddHtmlTag(), gHOutOpt::thisConfig(), gdTxtCouple::thisInitTxtCouple(), gConfig::thisParseLine(), gUnweb::thisPostProcess(), gUnweb::thisPreJoin(), gConfig::thisProcess(), gConfig::thisRead(), gParam::thisSplit(), gUnweb::thisStrMove(), and gHtmlContent::UpCaseAttributes().bool gString::TrimLeft () [virtual]**

Definition at line 184 of file gstring.cpp.

**Referenced by Trim().bool gString::TrimRight () [virtual]**

Definition at line 200 of file gstring.cpp.

Referenced by **gUnweb::thisConsolidateData()**, **gUnweb::thisPreProcess()**, **Trim()**, and **gHtmlContent::UpCaseAttributes()**.

---

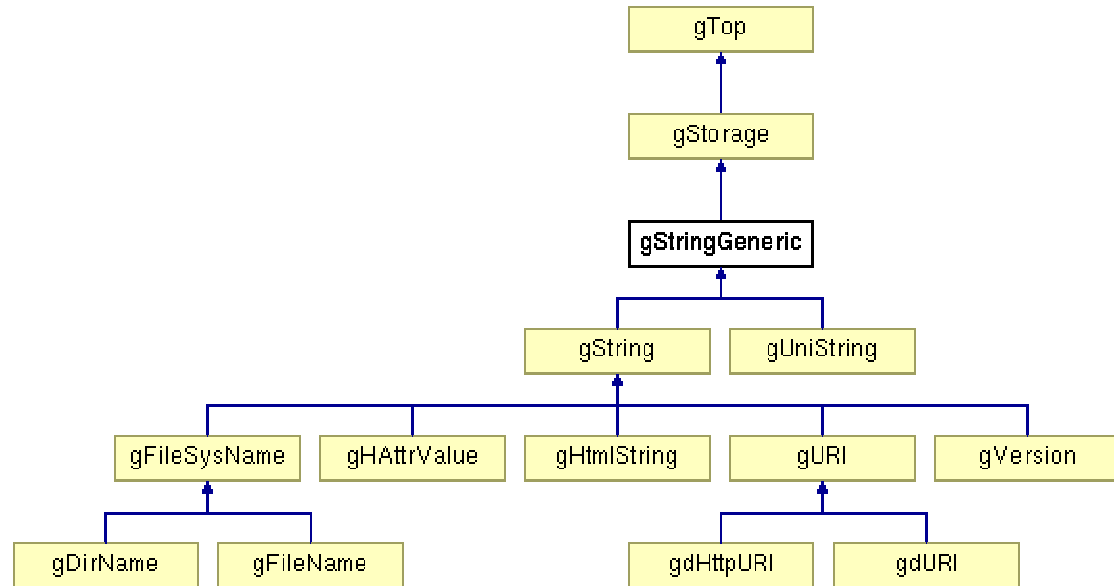
The documentation for this class was generated from the following files:

- **gstring.h**
- **gstring.cpp**

## gStringGeneric Class Reference

gStringGeneric gStringGeneric#include <gstring.h>

Inheritance diagram for gStringGeneric:



### Public Types

- enum eStrStrategy { e\_StrDefault, e\_StrAlloc, e\_StrPreAlloc }

### Public Member Functions

- virtual ~gStringGeneric ()
- virtual bool IsEmpty ()
- virtual unsigned Length ()
- virtual t\_uchar GetUChar (unsigned idx)
- virtual char GetChar (unsigned idx)
- virtual char \* Str ()
- virtual t\_uchar \* UStr ()
- virtual int MinimumStorageSize ()
- virtual int MaximumStorageSize ()
- virtual void Reset ()
- virtual void SetEmpty ()
- void Set (char \*s)
- void Set (t\_uchar \*s)
- void Set (int v)
- void Set (unsigned v)
- unsigned Add (char c)
- unsigned Add (t\_uchar c)
- unsigned Add (char \*s)
- unsigned Add (t\_uchar \*s)
- unsigned Add (int v)
- unsigned Add (unsigned v)
- virtual void UpString ()
- virtual void DownString ()
- t\_uchar & operator[] (int index)
- virtual t\_uchar \* ToString (t\_uchar \*uBuf)
- virtual bool SaveGuts (FILE \*f)
- virtual bool RestoreGuts (FILE \*f)

### Protected Member Functions

- **gStringGeneric** (**eStorage** kind, **eStrStrategy** aStgy, **t\_uchar** \*s, unsigned aMaxSize)
- void **thisPreAllocate** (**t\_uchar** \*s, unsigned toSize)
- void **thisDelete** ()
- int **thisCopy** (**t\_uchar** \*s, unsigned len)
- bool **thisIndex** (unsigned &idx)
- bool **thisIsValidIndex** (int index)
- virtual unsigned **thisSize** ()

### Protected Attributes

- unsigned **size**
- unsigned **preMaxSize**
- unsigned **maxSize**
- **eStrStrategy** stgy
- **t\_uchar** \* str
- bool **doRevalidateSize**

### Static Protected Attributes

- static **t\_uchar** myChrNul = 0

## Member Enumeration Documentation

### enum gStringGeneric::eStrStrategy

Enumeration values:

*e\_StrDefault*  
*e\_StrAlloc*  
*e\_StrPreAlloc*

Definition at line 9 of file gstring.h.

## Constructor & Destructor Documentation

### **gStringGeneric::~gStringGeneric** () [virtual]

Definition at line 28 of file gstring.cpp.**gStringGeneric::gStringGeneric** (**eStorage** kind, **eStrStrategy** aStgy, **t\_uchar** \* s, unsigned aMaxSize) [protected]

Definition at line 13 of file gstring.cpp.

## Member Function Documentation

### unsigned **gStringGeneric::Add** (unsigned v)

Definition at line 139 of file gstring.cpp.**unsigned gStringGeneric::Add** (int v)

Definition at line 131 of file gstring.cpp.**unsigned gStringGeneric::Add** (**t\_uchar** \* s)

Reimplemented in **gUniString** (p.325).

**Definition at line 105 of file gstring.cpp.unsigned gStringGeneric::Add (char \* s)**

Reimplemented in **gUniString** (p.325).

**Definition at line 100 of file gstring.cpp.unsigned gStringGeneric::Add (t\_uchar c)**

Reimplemented in **gUniString** (p.325).

**Definition at line 95 of file gstring.cpp.unsigned gStringGeneric::Add (char c)**

Reimplemented in **gUniString** (p.325).

Definition at line 87 of file gstring.cpp.

**Referenced by** **gUniString::Add()**, **Add()**, **gParamElem::Add()**, **gXHttpGeneric::AddHead()**, **gXHttpReplyHeader::AddLine()**, **gString::AddString()**, **gHtmlString::AsciiToString()**, **gHtmlString::ConvertAmpToAscii()**, **gStrControl::ConvertBinToStr()**, **gString::Delete()**, **gHtmlOpt::GetBaseHRef()**, **gdURI::GetDomainAndPathStr()**, **gXHttpCont::GetHeadRefererStr()**, **gHtmlCouple::GetStr()**, **gdHCouple::GetStr()**, **gHtmlCouple::GetStrForTree()**, **gHSeq::GetURL()**, **gFileTemp::gFileTemp()**, **sOptSnarf::GoCmdHttp()**, **gStrControl::gStrControl()**, **gString::gString()**, **gStrControl::Init()**, **gString::operator+()**, **sUnCodeBin::ReadFromStream()**, **gNetConnect::ReadLine()**, **Set()**, **gHSeq::SetBaseHRef()**, **sHOutFormat::SetIndentString()**, **gFileOut::SetModeDOS()**, **gSmartList::SetSmartChr()**, **gHAttrList::Str()**, **gArray::Str()**, **gArray::StrFormat()**, **gVector::StrFormat()**, **gHtmlCouple::TagString()**, **gXHttpReplyHeader::thisAddLine()**, **gDirName::thisBuildDirStr()**, **gHOutOpt::thisConfig()**, **gHtmlString::thisConvertToHStringIgnoreAmp()**, **gUnweb::thisCutCommentsInTxt()**, **gArg::thisFindParamFromStr()**, **gXHttpCont::thisGetHtmlContrl()**, **gUnweb::thisPostProcess()**, **gUnweb::thisPreJoin()**, **gUnweb::thisPreStripComments()**, **gdHttpURI::thisProcessHttpURI()**, **gFileFetch::thisReadFileThrough()**, **gXHttpGeneric::thisReadHeadReply()**, **gFileFetch::thisReadStringAsFile()**, **gDir::thisScanDir()**, **gURI::thisSetPath()**, **gHtmlString::thisStrSymbolAmp()**, **gUniString::thisUniDelete()**, **gString::TrimLeft()**, **gHtmlContent::UpCaseAttributes()**, and **gXHttpGeneric::WriteHead().void gStringGeneric::DownString () [virtual]**

Reimplemented in **gUniString** (p.325).

Definition at line 162 of file gstring.cpp.

**Referenced by** **gUniString::DownString()**, and **gHTypeEnum::gHTypeEnum().virtual char gStringGeneric::GetChar (unsigned idx) [inline, virtual]**

**Definition at line 27 of file gstring.h.t\_uchar gStringGeneric::GetUChar (unsigned idx) [virtual]**

Definition at line 43 of file gstring.cpp.

**Referenced by** **GetChar().virtual bool gStringGeneric::IsEmpty () [inline, virtual]**

Definition at line 18 of file gstring.h.

**Referenced by** **sCoordText::Add()**, **gSmartList::AddFromStr()**, **gXHttpGeneric::AddHead()**, **gString::AddString()**, **gHtmlCouple::AddTag()**, **gFileControl::AddTempFile()**, **sTidyElem::AnyAttr()**, **gHtmlOpt::DoBaseHRef()**, **sFileStreamCtrl::DoRemove()**, **gFileFetch::Fetch()**, **gDir::gDir()**, **gdURI::GetDomainAndPathStr()**, **gXHttpCont::GetHeadRefererStr()**, **gXHttpCont::GetHeadUserAgentStr()**, **gParam::GetNewObjectFromFormat()**, **gdURI::GetPathNameStr()**, **gConfig::GetSectionLine()**, **gFileStat::gFileStat()**,

**sOptSnarf::HasProxy(), gStrControl::InitTab(), sFileStreamCtrl::IsAutoNamed(), sOptProxy::IsValid(), gConfig::Process(), sUnCodeBin::SaveToStream(), gXHttpCont::thisGetHtmlCtrl(), gUnweb::thisPostProcess(), gConfig::thisProcess(), gdHttpURL::thisProcessHttpURL(), gArg::thisProgramName(), gFileFetch::thisReadFileThrough(), gFileFetch::thisReadStringAsFile(), gDir::thisScanDir(), gFileStat::Update(), and gFileTemp::~gFileTemp().virtual unsigned gStringGeneric::Length () [inline, virtual]**

Definition at line 22 of file gstring.h.

**Referenced by Add(), gHttpRequestList::Consolidate(), gHtmlString::ConvertAmpToAscii(), gUniString::ConvertChrFromTo(), gHtmlString::ConvertHTToAscii(), gStrControl::ConvertToUInt32(), gString::CopyFromTo(), gParamVal::FillParam(), gHAttrList::Find(), gParam::Find(), gUnweb::FindStringKey(), gStrControl::GetFilenameCode(), gFileTemp::gFileTemp(), gHATypeLength::gHATypeLength(), gKey::HashStrPos(), gFileSysName::IsStrOk(), sUnCodeBin::SaveToStream(), gHSeq::SetBaseHRef(), gXHttpGeneric::SetProtocolVersion(), gVector::StrFormat(), gHttpRequestList::thisAdjustColonStr(), gDirName::thisBuildDirStr(), gHOutOpt::thisConfig(), gUnweb::thisConsolidateData(), gUnweb::thisConsolidateDataCoord(), gString::thisFindAny(), gString::thisFindBackOcc(), gString::thisFindFwdOcc(), gArg::thisFlushAll(), gdTxtCouple::thisInitTxtCouple(), gConfig::thisParseLine(), gUnweb::thisPostProcess(), gUnweb::thisPreJoin(), gConfig::thisProcess(), gArg::thisProcessParamElem(), gParam::thisSplit(), gHAttrList::thisValidateValue(), gString::TrimLeft(), gString::TrimRight(), gHAttrs::TypeName2HAttrType(), gHAType::Unquote(), gHtmlContent::UpCaseAttributes(), gNetConnect::Write(), and gXHttpGeneric::WriteHead().virtual int gStringGeneric::MaximumStorageSize () [inline, virtual]**

Reimplemented from **gStorage** (p.275).

**Definition at line 37 of file gstring.h.virtual int gStringGeneric::MinimumStorageSize () [inline, virtual]**

Reimplemented from **gStorage** (p.275).

**Definition at line 34 of file gstring.h.t\_uchar & gStringGeneric::operator[] (int index)**

Reimplemented in **gUniString** (p.326).

**Definition at line 217 of file gstring.cpp.void gStringGeneric::Reset () [virtual]**

Reimplemented from **gStorage** (p.276).

**Definition at line 49 of file gstring.cpp.bool gStringGeneric::RestoreGuts (FILE \* f) [virtual]**

Implements **gStorage** (p.276).Reimplemented in **gString** (p.290), and **gUniString** (p.326).

Definition at line 239 of file gstring.cpp.

**Referenced by gString::RestoreGuts().bool gStringGeneric::SaveGuts (FILE \* f) [virtual]**

Implements **gStorage** (p.276).Reimplemented in **gString** (p.290), and **gUniString** (p.326).

Definition at line 232 of file gstring.cpp.

**Referenced by gString::SaveGuts().void gStringGeneric::Set (unsigned v)**

**Definition at line 80 of file gstring.cpp.**`void gStringGeneric::Set (int v)`

**Definition at line 74 of file gstring.cpp.**`void gStringGeneric::Set (t_uchar * s)`

Reimplemented in `gUniString` (p.326).

**Definition at line 67 of file gstring.cpp.**`void gStringGeneric::Set (char * s)`

Reimplemented in `gUniString` (p.326).

Definition at line 61 of file gstring.cpp.

Referenced by `gStrControl::ConvertBinToStr()`, `gHtmlString::ConvertToHString()`, `gStrControl::ConvertToInt32()`, `gString::Copy()`, `gdHCouple::CopyNormalizeAttr()`, `gHAttrList::Find()`, `sAttrRefer::FindAttr()`, `gHtmlOpt::GetBaseHRef()`, `gDir::GetFullNameDir()`, `gXHttpCont::GetHeadRefererStr()`, `gXHttpCont::GetHeadUserAgentStr()`, `gXHttpReplyHeader::GetLine()`, `gHSeq::GetURL()`, `gKey::gKey()`, `gTagTree::gTagTree()`, `gXHttpCont::gXHttpCont()`, `gXHttpGeneric::gXHttpGeneric()`, `gString::operator=()`, `gUniString::Set()`, `gHostAddr::SetHostName()`, `gXHttpGeneric::SetProtocolVersion()`, `gURL::SetString()`, `gHttpRequestList::thisAdjustColonStr()`, `gDirName::thisBuildDirStr()`, `gHOutOpt::thisConfig()`, `glpAddr::thisGetHostByAddr()`, `gdTxtCouple::thisInitTxtCouple()`, `gHtmlParser::thisParse()`, `gUnweb::thisPostProcess()`, `gdHttpURL::thisProcessHttpURL()`, `gURL::thisSetDomainPath()`, `gURL::thisSetPath()`, `gHtmlContent::UpCaseAttributes()`, and `gFileStat::Update().void gStringGeneric::SetEmpty () [virtual]`

Reimplemented in `gUniString` (p.326).

Definition at line 55 of file gstring.cpp.

Referenced by `gXHttpReplyHeader::AddLine()`, `gHtmlString::AsciiToString()`, `gHtmlString::ConvertAmpToAscii()`, `gStrControl::ConvertBinToStr()`, `gHtmlString::ConvertToHString()`, `gString::CopyFromTo()`, `gdHCouple::CopyNormalizeAttr()`, `gString::Delete()`, `gFileControl::ErrorStr()`, `sAttrRefer::FindAttr()`, `gdURL::GetDomainAndPathStr()`, `gdURL::GetPathNameStr()`, `gConfig::GetSectionLine()`, `gHtmlCouple::GetStr()`, `gdHCouple::GetStr()`, `gHtmlCouple::GetStrForTree()`, `gHSeq::GetURL()`, `sHOutFormat::Prepare()`, `gNetConnect::ReadLine()`, `Reset()`, `gKey::Reset()`, `sOptProxy::Reset()`, `gUniString::SetEmpty()`, `gHostAddr::SetHostName()`, `gFileOut::SetModeDOS()`, `gSmartList::SetSmartChr()`, `gURL::SetString()`, `gHAttrList::Str()`, `gArray::Str()`, `gArray::StrFormat()`, `gHtmlCouple::TagString()`, `gFileFetch::thisReadFileThrough()`, `gFileFetch::thisReadStringAsFile()`, `gHtmlString::thisStrSymbolAmp()`, and `gHtmlContent::UpCaseAttributes().char * gStringGeneric::Str () [virtual]`

Reimplemented from `gStorage` (p.276).Reimplemented in `gFileSysName` (p.96), `gDirName` (p.57), and `gURI` (p.337).

Definition at line 33 of file gstring.cpp.

Referenced by `sCoordText::Add()`, `gList::Add()`, `gHtmlCouple::Add()`, `gdSnarfCont::Add()`, `gParamElem::Add()`, `gSmartList::AddFromStr()`, `gdSnarfCont::AddFromString()`, `gString::AddString()`, `gHList::AppendCouple()`, `gHTree::AppendCouplePtr()`, `gHtmlString::AsciiToString()`, `gStrControl::Compare()`, `gdHttpURL::ConnectHostStr()`, `gHttpRequestList::Consolidate()`, `gdHttpURL::ContentHostStr()`, `gHtmlString::ConvertAmpToAscii()`, `gHtmlString::ConvertToHString()`, `gStrControl::ConvertToInt32()`, `gString::Copy()`, `gdHCouple::CopyNormalizeAttr()`, `gList::DeleteString()`, `gList::DeleteStrings()`, `sFileStreamCtrl::DoRemove()`, `gFileControl::ErrorStr()`, `gFileFetch::Fetch()`, `gParamVal::FillParam()`, `gString::Find()`, `gHAttrList::Find()`, `gString::FindAnyChr()`, `gString::FindBack()`, `gString::FindExcept()`, `gHttpRequestList::FindHeadFirst()`,

```

gHttpRequestList::FindHeadFullFirst(), gUnweb::FindStringKey(), gDir::gDir(),
gDirName::gDirName(), gHAType::GetAttrStr(), gHtmlOpt::GetBaseHRef(),
sHOutFormat::GetBeginLineStr(), gdURL::GetDomainAndPathStr(),
gURI::GetDomainStr(), gStrControl::GetFilenameCode(),
gXHttpCont::GetHeadRefererStr(), gXHttpCont::GetHeadUserAgentStr(),
gHostAddr::GetHostName(), sHtmlSymbol::GetHtmlStr(),
gXHttpReplyHeader::GetLength(), gURI::GetOriginalStr(), gdURL::GetPathNameStr(),
gURI::GetPathStr(), gStrControl::GetPathUnicode(),
gXHttpGeneric::GetProtocolString(), gdURL::GetRelativePathStr(),
gHtmlCouple::GetStr(), gdHCouple::GetStr(), gHtmlCouple::GetStrForTree(),
gHSeq::GetURL(), gFileStat::gFileStat(), gFileTemp::gFileTemp(),
gHATypeColor::gHATypeColor(), gHATypeEnum::gHATypeEnum(),
gHATypeLength::gHATypeLength(), gHATypeSimple32::gHATypeSimple32(),
gHATypeSimpleU32::gHATypeSimpleU32(), sOptSnarf::GoCmdHttp(),
gParam::gParam(), gStrControl::gStrControl(), gHOutOpt::HasToSkip(),
gStrControl::Init(), gString::Insert(), gString::Match(), gDirStream::Name(),
gFileOut::NewLine(), gString::operator+(), gdHttpURI::ParseProxyStr(),
gdHttpURI::PathStr(), gConfig::Process(), gArg::Program(), gFileTemp::Rewind(),
sUnCodeSymbol::SaveBin(), sUnCodeBin::SaveToStream(), gHSeq::SetBaseHRef(),
gURI::SetString(), gVersion::SetVersion(), sFileKind::Show(), gHostAddr::Show(),
gHashElemTriple::Show(), gArg::Show(), gParamVal::Show(), gURI::Str(),
gTagTree::Str(), gHAttrList::Str(), gDirName::Str(), gFileSysName::Str(), gArray::Str(),
gArray::StrFormat(), gVector::StrFormat(), gHostAddr::String(), gIpAddr::String(),
gHtmlContent::thisAddHmtlLine(), gHtmlContent::thisAddHtmlTag(),
gDirName::thisBuildDirStr(), gHOutOpt::thisConfig(), gUnweb::thisConsolidateData(),
gUnweb::thisCutCommentsInTxt(), gString::thisFind(), gString::thisFindAny(),
gString::thisFindBack(), gString::thisFindExcept(), gString::thisFindFwd(),
gArg::thisFindParamFromStr(), gArg::thisFlushAll(), gArray::thisFmtOptions(),
gFileControl::thisGetUniqueName(), gHOutOpt::thisHasTidy(),
gHOutOpt::thisHasTidyAttr(), gdHCouple::thisInitTag(),
gdTxtCouple::thisInitTxtCouple(), gString::thisMatch(), gHtmlParser::thisParse(),
gUnweb::thisPostProcess(), gdHttpURI::thisProcessHttpURI(), gHParsed::thisPush(),
gXHttpCont::thisReadChunkSize(), gDir::thisScanDir(), gURI::thisSetPath(),
gHtmlString::thisStrSymbolAmp(), gUniString::thisUniDelete(),
gHAType::thisUnquotedStr(), gString::TrimLeft(), gString::TrimRight(),
gHtmlContent::UpCaseAttributes(), gFileStat::Update(), gNetConnect::Write(),
gXHttpGeneric::WriteHead(), gFileTemp::~gFileTemp(), and
sFileStreamCtrl::~sFileStreamCtrl().int gStringGeneric::thisCopy (t_uchar * s, unsigned
len) [protected]

```

Definition at line 274 of file gstring.cpp.

```

Referenced by Add(), gString::CopyFromTo(), gString::gString(),
gUniString::RestoreGuts(), RestoreGuts(), thisPreAllocate(), and
gUniString::thisUniCopyFromTo().void gStringGeneric::thisDelete () [protected]

```

Definition at line 267 of file gstring.cpp.

```

Referenced by gUniString::RestoreGuts(), RestoreGuts(), Set(), SetEmpty(), thisCopy(),
gUniString::thisUniCopyFromTo(), and ~gStringGeneric().bool
gStringGeneric::thisIndex (unsigned & idx) [protected]

```

Definition at line 287 of file gstring.cpp.

**Referenced by** `GetUChar().bool gStringGeneric::thisIsValidIndex (int index)`  
[protected]

Definition at line 298 of file `gstring.cpp`.

**Referenced by** `gUniString::operator[]()`, and `operator[]().void gStringGeneric::thisPreAllocate (t_uchar * s, unsigned toSize)` [protected]

Definition at line 258 of file `gstring.cpp`.

**Referenced by** `gStringGeneric()`, `Set()`, and `SetEmpty().unsigned gStringGeneric::thisSize ()` [protected, virtual]

Definition at line 308 of file `gstring.cpp`.

**Referenced by** `DownString()`, `IsEmpty()`, `Length()`, and `UpString().t_uchar * gStringGeneric::ToString (t_uchar * uBuf)` [virtual]

Implements `gStorage` (p.277). Reimplemented in `gDirName` (p.57), `gString` (p.291), and `gUniString` (p.326).

Definition at line 224 of file `gstring.cpp`.

**Referenced by** `gString::ToString().void gStringGeneric::UpString ()` [virtual]

Reimplemented in `gUniString` (p.326).

Definition at line 147 of file `gstring.cpp`.

**Referenced by** `gHtmlCouple::AddTag()`, `gStrControl::Compare()`, `gString::FindExcept()`, `gHOutOpt::HasToSkip()`, `gHOutOpt::thisConfig()`, `gUnweb::thisConsolidateDataCoord()`, `gString::thisFind()`, `gString::thisFindAny()`, `gString::thisFindBack()`, `gString::thisFindExcept()`, `gString::thisFindFwd()`, `gHOutOpt::thisHasTidy()`, `gHOutOpt::thisHasTidyAttr()`, `gString::thisMatch()`, `gUnweb::thisStrMove()`, `gHtmlContent::UpCaseAttributes()`, and `gUniString::UpString().t_uchar * gStringGeneric::UStr ()` [virtual]

Definition at line 38 of file `gstring.cpp`.

Referenced by `Add()`, `Str()`, and `gParamVal::ToString()`.

---

## Member Data Documentation

**bool gStringGeneric::doRevalidateSize** [protected]

Definition at line 76 of file `gstring.h`.

**Referenced by** `gString::CopyFromTo()`, `gUniString::operator[]()`, `operator[]()`, `thisSize()`, and `gUniString::thisUniCopyFromTo().unsigned gStringGeneric::maxSize` [protected]

Definition at line 73 of file `gstring.h`.

**Referenced by thisCopy().t\_uchar gStringGeneric::myChrNul = 0 [static, protected]**

Definition at line 8 of file gstring.cpp.

**Referenced by GetUChar(), gUniString::operator[](), and operator[]().unsigned gStringGeneric::preMaxSize [protected]**

Definition at line 73 of file gstring.h.

**Referenced by gStringGeneric(), Set(), and thisCopy().unsigned gStringGeneric::size [protected]**

Definition at line 73 of file gstring.h.

**Referenced by Add(), gString::Delete(), DownString(), thisCopy(), thisDelete(), thisIndex(), thisIsValidIndex(), thisSize(), gUniString::thisUniDelete(), and UpString().eStrStrategy gStringGeneric::stgy [protected]**

Definition at line 74 of file gstring.h.

**Referenced by thisPreAllocate().t\_uchar\* gStringGeneric::str [protected]**

Definition at line 75 of file gstring.h.

Referenced by Add(), gUniString::ConvertChrFromTo(), gString::CopyFromTo(), gString::Delete(), DownString(), gString::FindAnyChr(), gUniString::GetHexa(), gUniString::GetHexa0x(), GetUChar(), gString::gString(), gFileSysName::IsStrOk(), gDirName::Name(), gUniString::NewObject(), gString::NewObject(), gUniString::operator[](), operator[](), gdHttpURI::ParseProxyStr(), gUniString::SaveGuts(), SaveGuts(), gString::Show(), gFileSysName::Str(), gHtmlString::thisConvertHTToAscii(), gHtmlString::thisConvertToHStringIgnoreAmp(), thisCopy(), thisDelete(), thisPreAllocate(), gdHttpURI::thisProcessHttpURI(), thisSize(), gUniString::thisUniCopyFromTo(), gUniString::thisUniDelete(), gUniString::ToString(), ToString(), UpString(), and UStr().

---

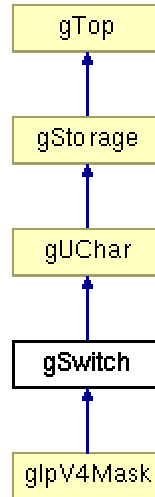
The documentation for this class was generated from the following files:

- **gstring.h**
- **gstring.cpp**

## gSwitch Class Reference

gSwitchgSwitch#include <gstorage.h>

Inheritance diagram for gSwitch:



### Public Member Functions

- **gSwitch** (bool isOn=false)
- virtual ~**gSwitch** ()
- virtual bool **IsOn** ()
- virtual bool **SetOn** (bool isOn)

---

### Constructor & Destructor Documentation

**gSwitch::gSwitch** (bool *isOn* = false) [inline]

Definition at line 330 of file gstorage.h.  
**virtual gSwitch::~gSwitch** () [inline, virtual]

Definition at line 333 of file gstorage.h.

---

### Member Function Documentation

**virtual bool gSwitch::IsOn** () [inline, virtual]

Definition at line 336 of file gstorage.h.

Referenced by sAttrRefer::FindAttr(), sHOutFormat::Prepare(), and gHtmlParser::thisParse().  
**virtual bool gSwitch::SetOn** (bool *isOn*) [inline, virtual]

Definition at line 339 of file gstorage.h.

Referenced by sHOutFormat::CopyHOutFormat(), and gHtmlOpt::CopyOptions().

---

The documentation for this class was generated from the following file:

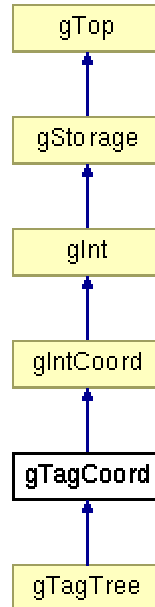
- **gstorage.h**



## gTagCoord Class Reference

gTagCoordgTagCoord#include <gweb.h>

Inheritance diagram for gTagCoord:



### Public Member Functions

- **gTagCoord** ()
- virtual **~gTagCoord** ()
- virtual bool **IsOk** ()
- virtual **t\_int16 GetTagId** ()
- virtual void **Reset** ()
- virtual bool **SetTagId** (t\_int16 id)
- virtual bool **SetZ** (int az)

### Public Attributes

- **t\_int16 opId**
- **int depth**

---

### Constructor & Destructor Documentation

**gTagCoord::gTagCoord** ()

Definition at line 66 of file gweb.cpp.gTagCoord::~gTagCoord () [virtual]

Definition at line 72 of file gweb.cpp.

---

### Member Function Documentation

**virtual t\_int16 gTagCoord::GetTagId** () [inline, virtual]

**Definition at line 99 of file gweb.h.virtual bool gTagCoord::IsOk () [inline, virtual]**

Reimplemented from **gStorage** (p.275).Reimplemented in **gTagTree** (p.304).

Definition at line 96 of file gweb.h.

**Referenced by gHSeq::thisCheck().void gTagCoord::Reset () [virtual]**

Reimplemented from **gIntCoord** (p.219).Reimplemented in **gTagTree** (p.305).

Definition at line 76 of file gweb.cpp.

**Referenced by gTagTree::Reset().virtual bool gTagCoord::SetTagId (t\_int16 id) [inline, virtual]**

Definition at line 106 of file gweb.h.

**Referenced by gHSeq::thisCheck().bool gTagCoord::SetZ (int az) [virtual]**

Reimplemented from **gIntCoord** (p.220).

Definition at line 83 of file gweb.cpp.

Referenced by **gHSeq::thisCheck()**.

---

## Member Data Documentation

**int gTagCoord::depth**

Definition at line 93 of file gweb.h.

**Referenced by Reset(), gHSeq::thisBuild(), and gHSeq::thisCheck().t\_int16 gTagCoord::opId**

Definition at line 92 of file gweb.h.

Referenced by **Reset()**, and **gHSeq::thisBuild()**.

---

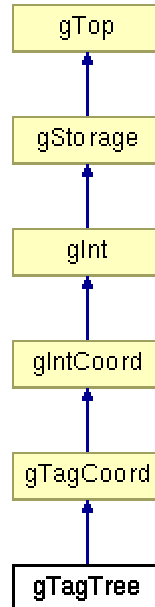
The documentation for this class was generated from the following files:

- **gweb.h**
- **gweb.cpp**

## gTagTree Class Reference

gTagTree gTagTree#include <gHtmlSeq.h>

Inheritance diagram for gTagTree:



### Public Member Functions

- **gTagTree** (char \*descStr=nil)
- virtual ~**gTagTree** ()
- virtual bool **IsOk** ()
- virtual char \* **Str** ()
- virtual void **Reset** ()

### Public Attributes

- gString sDesc
- t\_int32 mCoord
- gHTree \* myTree

---

### Constructor & Destructor Documentation

**gTagTree::gTagTree** (char \* *descStr* = nil)

Definition at line 6 of file gHtmlSeq.cpp.  
**gTagTree::~gTagTree** () [virtual]

Definition at line 13 of file gHtmlSeq.cpp.

---

### Member Function Documentation

**virtual bool gTagTree::IsOk** () [inline, virtual]

Reimplemented from **gTagCoord** (p.303).

**Definition at line 19 of file gHtmlSeq.h.void gTagTree::Reset () [virtual]**

Reimplemented from **gTagCoord** (*p.303*).

Definition at line 23 of file gHtmlSeq.cpp.

**Referenced by gHSeq::thisBuild().char \* gTagTree::Str () [virtual]**

Reimplemented from **gStorage** (*p.276*).

Definition at line 18 of file gHtmlSeq.cpp.

---

**Member Data Documentation**

**t\_int32 gTagTree::mCoord**

Definition at line 16 of file gHtmlSeq.h.

**Referenced by Reset().gHTree\* gTagTree::myTree**

Definition at line 17 of file gHtmlSeq.h.

**Referenced by IsOk(), Reset(), and gHSeq::thisFindRememberedBlock().gString  
gTagTree::sDesc**

Definition at line 15 of file gHtmlSeq.h.

Referenced by gTagTree(), and Str().

---

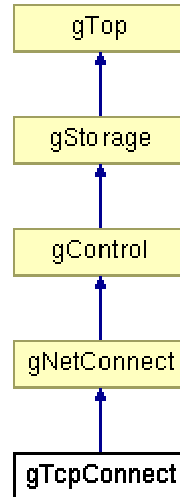
The documentation for this class was generated from the following files:

- **gHtmlSeq.h**
- **gHtmlSeq.cpp**

## gTcpConnect Class Reference

gTcpConnectgTcpConnect#include <gnet.h>

Inheritance diagram for gTcpConnect:



### Public Member Functions

- **gTcpConnect** (char \*destHostname, t\_gPort cPort, bool doConnect=true)
- **gTcpConnect** (t\_uint8 c1, t\_uint8 c2, t\_uint8 c3, t\_uint8 c4, t\_gPort cPort, bool doConnect=true)
- virtual ~gTcpConnect ()
- virtual bool **IsOk** ()
- virtual int **Handle** ()
- virtual t\_uchar \* **String** ()
- virtual t\_uchar \* **Tostring** (t\_uchar \*uBuf)
- bool **Connect** ()
- virtual bool **Close** ()
- virtual void **Show** (bool doShowAll=true)

### Public Attributes

- gHostAddr destAddr
- t\_gPort destPort
- gSocket socket

### Protected Member Functions

- int **thisConnect** (gSocket &aSocket)

---

### Constructor & Destructor Documentation

**gTcpConnect::gTcpConnect** (char \* *destHostname*, t\_gPort *cPort*, bool *doConnect* = true)

Definition at line 559 of file gnet.cpp.  
**gTcpConnect::gTcpConnect** (t\_uint8 *c1*, t\_uint8 *c2*, t\_uint8 *c3*, t\_uint8 *c4*, t\_gPort *cPort*, bool *doConnect* = true)

**Definition at line 568 of file gnet.cpp.gTcpConnect::~gTcpConnect () [virtual]**

Definition at line 577 of file gnet.cpp.

---

## Member Function Documentation

**bool gTcpConnect::Close () [virtual]**

**Definition at line 626 of file gnet.cpp.bool gTcpConnect::Connect ()**

Definition at line 610 of file gnet.cpp.

**Referenced by gTcpConnect().int gTcpConnect::Handle () [virtual]**

Implements `gNetConnect` (*p.250*).

**Definition at line 587 of file gnet.cpp.bool gTcpConnect::IsOk () [virtual]**

Reimplemented from `gControl` (*p.29*).

Definition at line 582 of file gnet.cpp.

**Referenced by Handle(), and gXHttpCont::ReadReplyText().void gTcpConnect::Show (bool *doShowAll* = true) [virtual]**

Reimplemented from `gStorage` (*p.276*).

**Definition at line 631 of file gnet.cpp.t\_uchar \* gTcpConnect::String () [virtual]**

Definition at line 597 of file gnet.cpp.

**Referenced by Connect(), Show(), and ToString().int gTcpConnect::thisConnect (gSocket & *aSocket*) [protected]**

Definition at line 641 of file gnet.cpp.

**Referenced by Connect().t\_uchar \* gTcpConnect::ToString (t\_uchar \* *uBuf*) [virtual]**

Reimplemented from `gControl` (*p.30*).

Definition at line 602 of file gnet.cpp.

---

## Member Data Documentation

**gHostAddr gTcpConnect::destAddr**

Definition at line 230 of file gnet.h.

**Referenced by gTcpConnect(), String(), and thisConnect().t\_gPort gTcpConnect::destPort**

Definition at line 231 of file gnet.h.

**Referenced by this**`Connect().gSocket gTcpConnect::socket`

Definition at line 232 of file gnet.h.

Referenced by `Close()`, `Connect()`, `Handle()`, `IsOk()`, `Show()`, and `~gTcpConnect()`.

---

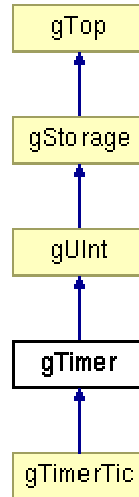
The documentation for this class was generated from the following files:

- `gnet.h`
- `gnet.cpp`

## gTimer Class Reference

gTimer gTimer#include <gtime.h>

Inheritance diagram for gTimer:



### Public Types

- enum eTimerPrec { e\_PrecTic }

### Public Member Functions

- gTimer (eTimerPrec aPrecision)
- virtual ~gTimer ()
- virtual double GetSecondsFromTics (t\_gTicElapsed aElapsed)
- virtual double GetMilisecsFromTics (t\_gTicElapsed aElapsed)
- virtual void Start ()

### Public Attributes

- double tic

### Protected Attributes

- t\_gTicElapsed ticStart
- t\_gTicElapsed ticLast

---

## Member Enumeration Documentation

### enum gTimer::eTimerPrec

Enumeration values:

*e\_PrecTic*

Definition at line 33 of file gtime.h.

---

## Constructor & Destructor Documentation

### gTimer::gTimer (eTimerPrec aPrecision)

**Definition at line 10 of file gtime.cpp.gTimer::~gTimer () [virtual]**

Definition at line 18 of file gtime.cpp.

---

## Member Function Documentation

**virtual double gTimer::GetMilisecsFromTics (t\_gTicElapsed aElapsed) [inline, virtual]**

Definition at line 48 of file gtime.h.

**Referenced by sOptSnarf::ShowStats().double gTimer::GetSecondsFromTics (t\_gTicElapsed aElapsed) [virtual]**

Definition at line 22 of file gtime.cpp.

**Referenced by GetMilisecsFromTics().void gTimer::Start () [virtual]**

Definition at line 32 of file gtime.cpp.

Referenced by gTimer(), and gXHttpCont::thisGetHtmlContrl().

---

## Member Data Documentation

**double gTimer::tic**

Definition at line 41 of file gtime.h.

**Referenced by gTimerTic::CpuTics(), and Start().t\_gTicElapsed gTimer::ticLast [protected]**

Definition at line 56 of file gtime.h.

**Referenced by gTimerTic::CpuTics(), and gTimerTic::Reset().t\_gTicElapsed gTimer::ticStart [protected]**

Definition at line 56 of file gtime.h.

Referenced by gTimerTic::CpuTics(), gTimerTic::Reset(), and Start().

---

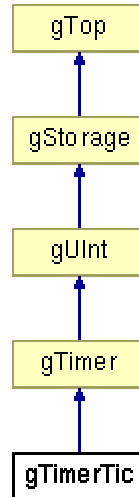
The documentation for this class was generated from the following files:

- **gtime.h**
- **gtime.cpp**

## gTimerTic Class Reference

gTimerTicTimerTic#include <gtime.h>

Inheritance diagram for gTimerTic:



### Public Member Functions

- **gTimerTic ()**
- **virtual ~gTimerTic ()**
- **virtual t\_gTicElapsed CpuTics ()**
- **virtual double GetElapsedMilisec ()**
- **virtual t\_uint32 GetMilisec ()**
- **virtual void Reset ()**
- **void GetTimeNow (sTimeSeconds &aTime)**
- **double GetMilisecsDiff (sTimeSeconds &aTime1, sTimeSeconds &aTime0)**

### Protected Member Functions

- **int thisGetTime (sTimeSeconds &aTime)**

### Protected Attributes

- **t\_gTicElapsed ticDiff**
- **sTimeSeconds timeStart**
- **sTimeSeconds timeEnd**

---

### Constructor & Destructor Documentation

**gTimerTic::gTimerTic ()**

**Definition at line 39 of file gtime.cpp.gTimerTic::~gTimerTic () [virtual]**

Definition at line 46 of file gtime.cpp.

---

### Member Function Documentation

**t\_gTicElapsed gTimerTic::CpuTics () [virtual]**

Definition at line 50 of file gtime.cpp.

**Referenced by gXHttpCont::thisGetHtmlContrl().double gTimerTic::GetElapsedMilisec () [virtual]**

Definition at line 66 of file gtime.cpp.

**Referenced by GetMilisec().t\_uint32 gTimerTic::GetMilisec () [virtual]**

Definition at line 71 of file gtime.cpp.

**Referenced by sOptSnarf::ShowStats().double gTimerTic::GetMilisecsDiff (sTimeSeconds & aTime1, sTimeSeconds & aTime0)**

Definition at line 84 of file gtime.cpp.

**Referenced by GetElapsedMilisec().void gTimerTic::GetTimeNow (sTimeSeconds & aTime) [inline]**

Definition at line 79 of file gtime.h.

**Referenced by CpuTics().void gTimerTic::Reset () [virtual]**

Reimplemented from gUInt (p.323).

**Definition at line 77 of file gtime.cpp.int gTimerTic::thisGetTime (sTimeSeconds & aTime) [protected]**

Definition at line 93 of file gtime.cpp.

Referenced by GetTimeNow(), and gTimerTic().

---

## Member Data Documentation

**t\_gTicElapsed gTimerTic::ticDiff [protected]**

Definition at line 85 of file gtime.h.

**Referenced by CpuTics(), and Reset().sTimeSeconds gTimerTic::timeEnd [protected]**

Definition at line 86 of file gtime.h.

**Referenced by CpuTics(), GetElapsedMilisec(), and Reset().sTimeSeconds gTimerTic::timeStart [protected]**

Definition at line 86 of file gtime.h.

Referenced by GetElapsedMilisec(), gTimerTic(), and Reset().

---

The documentation for this class was generated from the following files:

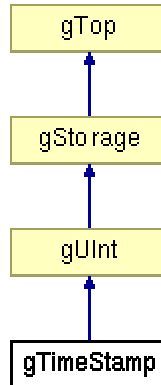
- **gtime.h**
- **gtime.cpp**



## gTimeStamp Class Reference

gTimeStamp gTimeStamp#include <gcalendar.h>

Inheritance diagram for gTimeStamp:



### Public Member Functions

- **gTimeStamp** (t\_stamp aStamp=0)
- **gTimeStamp** (gDateTime &aDtTm)
- virtual ~gTimeStamp ()
- virtual bool **IsOk** ()
- bool **SetStamp** (t\_stamp aStamp)
- virtual bool **SetUInt** (unsigned v)

### Public Attributes

- short **iValid**

---

### Constructor & Destructor Documentation

**gTimeStamp::gTimeStamp** (t\_stamp aStamp = 0)

Definition at line 274 of file gcalendar.cpp.**gTimeStamp::gTimeStamp** (gDateTime &aDtTm)

Definition at line 280 of file gcalendar.cpp.**gTimeStamp::~~gTimeStamp** () [virtual]

Definition at line 286 of file gcalendar.cpp.

---

### Member Function Documentation

**bool gTimeStamp::IsOk** () [virtual]

Reimplemented from **gStorage** (p.275).

Definition at line 290 of file gcalendar.cpp.

**Referenced by SetUInt().bool gTimeStamp::SetStamp** (t\_stamp aStamp)

Definition at line 295 of file gcalendar.cpp.

**Referenced by gTimeStamp().bool gTimeStamp::SetUInt (unsigned v) [virtual]**

Reimplemented from **gUInt** (p.323).

Definition at line 300 of file gcalendar.cpp.

Referenced by SetStamp().

---

## **Member Data Documentation**

**short gTimeStamp::iValid**

Definition at line 76 of file gcalendar.h.

Referenced by IsOk().

---

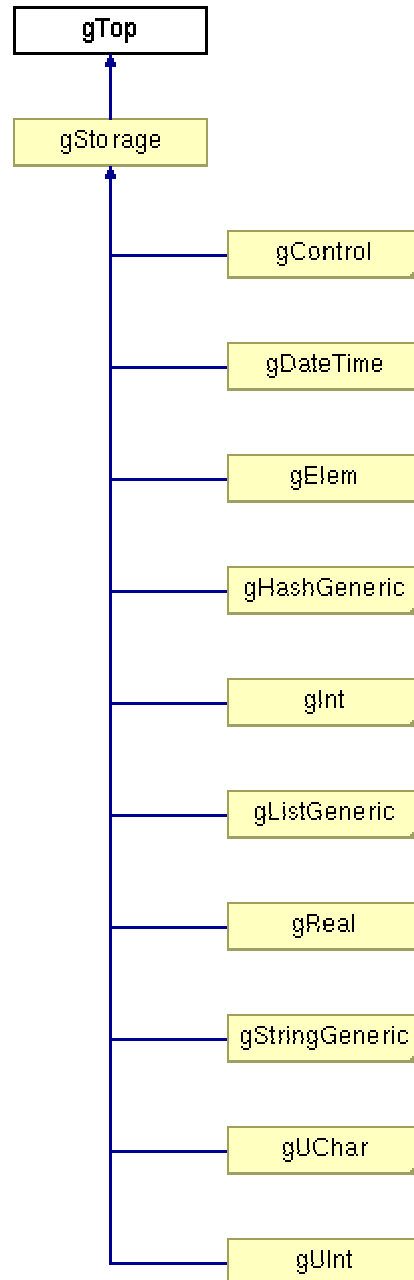
The documentation for this class was generated from the following files:

- **gcalendar.h**
- **gcalendar.cpp**

## gTop Class Reference

`gTop` `#include <gstorage.h>`

Inheritance diagram for `gTop`:



### Public Member Functions

- `virtual ~gTop ()`
- `int GetNumObjects ()`

### Public Attributes

- `t_uint16 stgKind`

### Static Public Attributes

- `static short nObjHistogram [MAX_INTSTGKIND]`

**Protected Member Functions**

- **gTop (t\_uint16 intStgKind)**

**Constructor & Destructor Documentation****gTop::~gTop () [virtual]**

```
if (stgKind==gStorage::e_List) printf("DBG::-%d lists\n",nObjHistogram[stgKind],nObjs)
```

**Definition at line 66 of file gstorage.cpp.gTop::gTop (t\_uint16 intStgKind) [protected]**

```
if (stgKind==gStorage::e_List) printf("DBG::+%d lists\n",nObjHistogram[stgKind],nObjs)
```

Definition at line 52 of file gstorage.cpp.

**Member Function Documentation****int gTop::GetNumObjects () [inline]**

Definition at line 50 of file gstorage.h.

Referenced by gStorageControl::NumObjs().

**Member Data Documentation****short gTop::nObjHistogram [static]**

Definition at line 9 of file gstorage.cpp.

**Referenced by gTop(), and ~gTop().t\_uint16 gTop::stgKind**

Definition at line 47 of file gstorage.h.

Referenced by gTop(), and ~gTop().

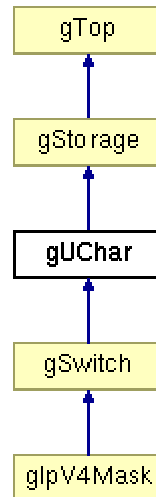
The documentation for this class was generated from the following files:

- **gstorage.h**
- **gstorage.cpp**

## gUChar Class Reference

gUChar#include <gstorage.h>

Inheritance diagram for gUChar:



### Public Member Functions

- **gUChar** (t\_uchar v='\0')
- virtual ~gUChar ()
- virtual t\_uchar GetUChar ()
- virtual int MaximumStorageSize ()
- virtual void Reset ()
- virtual bool SetUChar (t\_uchar v)
- virtual gStorage \* NewObject ()
- virtual t\_uchar \* ToString (t\_uchar \*uBuf)
- virtual bool SaveGuts (FILE \*f)
- virtual bool RestoreGuts (FILE \*f)

### Protected Attributes

- t\_uchar c

---

### Constructor & Destructor Documentation

**gUChar::gUChar** (t\_uchar v = '\0') [inline]

Definition at line 289 of file gstorage.h.

**Referenced by NewObject().virtual gUChar::~gUChar** () [inline, virtual]

Definition at line 293 of file gstorage.h.

---

### Member Function Documentation

**virtual t\_uchar gUChar::GetUChar** () [inline, virtual]

**Definition at line 297 of file gstorage.h.virtual int gUChar::MaximumStorageSize ()**  
[inline, virtual]

Reimplemented from **gStorage** (p.275).

**Definition at line 301 of file gstorage.h.gStorage \* gUChar::NewObject ()** [virtual]

Implements **gStorage** (p.276).

**Definition at line 356 of file gstorage.cpp.void gUChar::Reset ()** [virtual]

Reimplemented from **gStorage** (p.276).

**Definition at line 350 of file gstorage.cpp.bool gUChar::RestoreGuts (FILE \* f)**  
[virtual]

Implements **gStorage** (p.276).

**Definition at line 375 of file gstorage.cpp.bool gUChar::SaveGuts (FILE \* f)** [virtual]

Implements **gStorage** (p.276).

**Definition at line 369 of file gstorage.cpp.virtual bool gUChar::SetUChar (t\_uchar v)**  
[inline, virtual]

**Definition at line 307 of file gstorage.h.t\_uchar \* gUChar::ToString (t\_uchar \* uBuf)**  
[virtual]

Implements **gStorage** (p.277).

Definition at line 362 of file gstorage.cpp.

---

## Member Data Documentation

**t\_uchar gUChar::c** [protected]

Definition at line 320 of file gstorage.h.

Referenced by **GetUChar()**, **gSwitch::IsOn()**, **NewObject()**, **Reset()**, **RestoreGuts()**, **SaveGuts()**, **gSwitch::SetOn()**, **SetUChar()**, and **ToString()**.

---

The documentation for this class was generated from the following files:

- **gstorage.h**
- **gstorage.cpp**

## gUCharBuffer Class Reference

gUCharBuffergUCharBuffer#include <gstorage.h>

### Public Member Functions

- **gUCharBuffer** (t\_uint16 bufSize=0)
- **~gUCharBuffer** ()
- **char \* Str** ()
- **void Copy** (t\_uchar \*s)
- **void Copy** (char \*s)
- **void Clear** ()

### Public Attributes

- **t\_uint16 size**
- **t\_uchar \* uBuf**

---

### Constructor & Destructor Documentation

**gUCharBuffer::gUCharBuffer** (t\_uint16 *bufSize* = 0)

**Definition at line 78 of file gstorage.cpp.gUCharBuffer::~~gUCharBuffer ()**

Definition at line 86 of file gstorage.cpp.

### Member Function Documentation

**void gUCharBuffer::Clear** ()

Definition at line 101 of file gstorage.cpp.

**Referenced by gListGeneric::Str().void gUCharBuffer::Copy** (char \* *s*)

**Definition at line 96 of file gstorage.cpp.void gUCharBuffer::Copy** (t\_uchar \* *s*)

**Definition at line 91 of file gstorage.cpp.char\* gUCharBuffer::Str** () [inline]

Definition at line 71 of file gstorage.h.

Referenced by gFileControl::GetCwd(), and gDirGeneric::RestoreGuts().

---

### Member Data Documentation

**t\_uint16 gUCharBuffer::size**

Definition at line 67 of file gstorage.h.

**Referenced by `Clear()`, `gBigBuffer::Flush()`, `gUCharBuffer()`,  
`gReal::MaximumStorageSize()`, `gXHttpCont::ReadReplyBin()`,  
`gXHttpCont::ReadReplyText()`, `gXHttpCont::ReadReplyUnsize()`,  
`gUniString::RestoreGuts()`, `gStringGeneric::RestoreGuts()`, `gDirGeneric::RestoreGuts()`,  
and `gXHttpCont::thisGetHtmlContrl().t_uchar*` `gUCharBuffer::uBuf`**

Definition at line 68 of file `gstorage.h`.

Referenced by `gStringGeneric::Add()`, `sParamRaw::BuildParamVal()`, `Clear()`, `gBigBuffer::Flush()`,  
`gXHttpCont::ReadReplyBin()`, `gXHttpCont::ReadReplyChunked()`, `gXHttpCont::ReadReplyText()`,  
`gXHttpCont::ReadReplyUnsize()`, `gUniString::RestoreGuts()`, `gStringGeneric::RestoreGuts()`,  
`gDirGeneric::RestoreGuts()`, `Str()`, `gStorage::Str()`, `gListGeneric::Str()`, and `~gUCharBuffer()`.

---

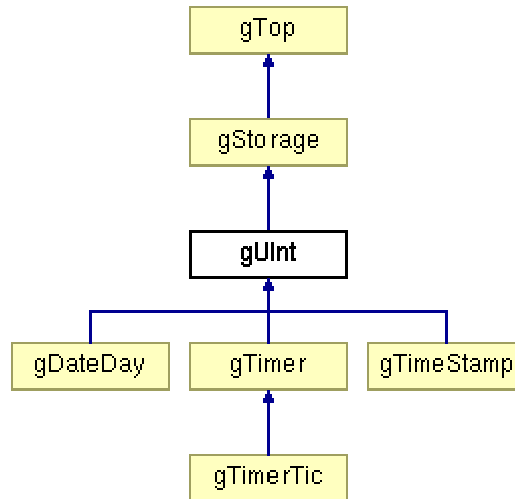
The documentation for this class was generated from the following files:

- **`gstorage.h`**
- **`gstorage.cpp`**

## gUInt Class Reference

gUIntgUInt#include <gstorage.h>

Inheritance diagram for gUInt:



### Public Member Functions

- **gUInt** (unsigned v=0)
- virtual **~gUInt** ()
- virtual unsigned **GetUInt** ()
- int **GetMaxUInt** ()
- virtual void **Reset** ()
- virtual bool **SetUInt** (unsigned v)
- virtual **gStorage** \* **NewObject** ()
- virtual **t\_uchar** \* **ToString** (t\_uchar \*uBuf)
- virtual bool **SaveGuts** (FILE \*f)
- virtual bool **RestoreGuts** (FILE \*f)
- virtual void **Show** (bool doShowAll=true)

### Protected Attributes

- unsigned c

### Constructor & Destructor Documentation

**gUInt::gUInt** (unsigned v = 0) [inline]

Definition at line 412 of file gstorage.h.

**Referenced by NewObject().virtual gUInt::~gUInt** () [inline, virtual]

Definition at line 416 of file gstorage.h.

### Member Function Documentation

**int gUInt::GetMaxUInt** () [inline]

**Definition at line 424 of file gstorage.h.**  
**virtual unsigned gUInt::GetUInt () [inline, virtual]**

Definition at line 420 of file gstorage.h.

**Referenced by gXHttpCont::ReadReplyChunked(), and sOptSnarf::ShowStats().**  
**gStorage \* gUInt::NewObject () [virtual]**

Implements **gStorage** (p.276). Reimplemented in **gDateDay** (p.33).

**Definition at line 423 of file gstorage.cpp.**  
**void gUInt::Reset () [virtual]**

Reimplemented from **gStorage** (p.276). Reimplemented in **gTimerTic** (p.312).

**Definition at line 417 of file gstorage.cpp.**  
**bool gUInt::RestoreGuts (FILE \* f) [virtual]**

Implements **gStorage** (p.276). Reimplemented in **gDateDay** (p.33).

**Definition at line 442 of file gstorage.cpp.**  
**bool gUInt::SaveGuts (FILE \* f) [virtual]**

Implements **gStorage** (p.276). Reimplemented in **gDateDay** (p.33).

**Definition at line 436 of file gstorage.cpp.**  
**virtual bool gUInt::SetUInt (unsigned v) [inline, virtual]**

Reimplemented in **gTimeStamp** (p.315).

Definition at line 434 of file gstorage.h.

**Referenced by gXHttpCont::ReadReplyChunked(), gTimeStamp::SetUInt(), and gXHttpCont::thisGetHtmlContrl().**  
**void gUInt::Show (bool doShowAll = true) [virtual]**

Reimplemented from **gStorage** (p.276).

**Definition at line 448 of file gstorage.cpp.**  
**t\_uchar \* gUInt::ToString (t\_uchar \* uBuf) [virtual]**

Implements **gStorage** (p.277).

Definition at line 429 of file gstorage.cpp.

---

## Member Data Documentation

**unsigned gUInt::c [protected]**

Definition at line 450 of file gstorage.h.

Referenced by **GetUInt()**, **gTimeStamp::IsOk()**, **NewObject()**, **Reset()**, **RestoreGuts()**, **SaveGuts()**, **SetUInt()**, **Show()**, and **ToString()**.

---

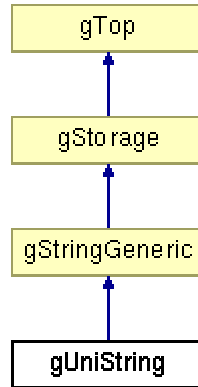
The documentation for this class was generated from the following files:

- **gstorage.h**
- **gstorage.cpp**

## gUniString Class Reference

gUniStringgUniString#include <gstringext.h>

Inheritance diagram for gUniString:



### Public Member Functions

- **gUniString** ()
- **gUniString** (char \*s)
- **gUniString** (t\_uchar \*s)
- **t\_uint32 GetHexa** (eDigitConv caseSense=e\_DigConvAny)
- **t\_uint32 GetHexa0x** (eDigitConv caseSense=e\_DigConvAny)
- virtual void **SetEmpty** ()
- void **Set** (char \*s)
- void **Set** (t\_uchar \*s)
- unsigned **Add** (char c)
- unsigned **Add** (t\_uchar c)
- unsigned **Add** (char \*s)
- unsigned **Add** (t\_uchar \*s)
- virtual void **UpString** ()
- virtual void **DownString** ()
- virtual **gUniString & CopyFromTo** (gUniString &copy, unsigned startPos, unsigned endPos)
- virtual unsigned **Delete** (unsigned startPos=0, unsigned endPos=0)
- virtual **gUniString & ConvertChrFromTo** (t\_uchar chrFrom, t\_uchar chrTo)
- **t\_uchar & operator[]** (int index)
- **gStorage \* NewObject** ()
- virtual **t\_uchar \* ToString** (t\_uchar \*uBuf)
- virtual bool **SaveGuts** (FILE \*f)
- virtual bool **RestoreGuts** (FILE \*f)
- void **Show** (bool doShowAll)

### Protected Member Functions

- void **thisUniUpdate** ()
- unsigned **thisUniDelete** (unsigned startPos, unsigned endPos)
- int **thisUniCopyFromTo** (gUniString &copy, unsigned startPos, unsigned endPos)

---

### Constructor & Destructor Documentation

#### gUniString::gUniString ()

Definition at line 1393 of file gstringext.cpp.

**Referenced by NewObject().gUniString::gUniString (char \* s)**

**Definition at line 1402 of file gstringext.cpp.gUniString::gUniString (t\_uchar \* s)**

Definition at line 1412 of file gstringext.cpp.

---

## **Member Function Documentation**

**unsigned gUniString::Add (t\_uchar \* s)**

Reimplemented from gStringGeneric (p.293).

**Definition at line 1482 of file gstringext.cpp.unsigned gUniString::Add (char \* s)**

Reimplemented from gStringGeneric (p.294).

**Definition at line 1477 of file gstringext.cpp.unsigned gUniString::Add (t\_uchar c)**

Reimplemented from gStringGeneric (p.294).

**Definition at line 1469 of file gstringext.cpp.unsigned gUniString::Add (char c)**

Reimplemented from gStringGeneric (p.294).

Definition at line 1464 of file gstringext.cpp.

**Referenced by Add().gUniString & gUniString::ConvertChrFromTo (t\_uchar chrFrom, t\_uchar chrTo) [virtual]**

**Definition at line 1595 of file gstringext.cpp.gUniString & gUniString::CopyFromTo (gUniString & copy, unsigned startPos, unsigned endPos) [virtual]**

**Definition at line 1500 of file gstringext.cpp.unsigned gUniString::Delete (unsigned startPos = 0, unsigned endPos = 0) [virtual]**

**Definition at line 1507 of file gstringext.cpp.void gUniString::DownString () [virtual]**

Reimplemented from gStringGeneric (p.294).

**Definition at line 1495 of file gstringext.cpp.t\_uint32 gUniString::GetHexa (eDigitConv caseSense = e\_DigConvAny)**

**Definition at line 1422 of file gstringext.cpp.t\_uint32 gUniString::GetHexa0x (eDigitConv caseSense = e\_DigConvAny)**

**Definition at line 1433 of file gstringext.cpp.gStorage \* gUniString::NewObject () [virtual]**

Implements gStorage (p.276).

**Definition at line 1527 of file gstringext.cpp.t\_uchar & gUniString::operator[] (int *index*)**

Reimplemented from `gStringGeneric` (p.295).

**Definition at line 1514 of file gstringext.cpp.bool gUniString::RestoreGuts (FILE \* *f*) [virtual]**

Reimplemented from `gStringGeneric` (p.295).

**Definition at line 1545 of file gstringext.cpp.bool gUniString::SaveGuts (FILE \* *f*) [virtual]**

Reimplemented from `gStringGeneric` (p.295).

**Definition at line 1538 of file gstringext.cpp.void gUniString::Set (t\_uchar \* *s*)**

Reimplemented from `gStringGeneric` (p.296).

**Definition at line 1457 of file gstringext.cpp.void gUniString::Set (char \* *s*)**

Reimplemented from `gStringGeneric` (p.296).

Definition at line 1451 of file `gstringext.cpp`.

**Referenced by thisUniDelete().void gUniString::SetEmpty () [virtual]**

Reimplemented from `gStringGeneric` (p.296).

Definition at line 1445 of file `gstringext.cpp`.

**Referenced by thisUniDelete().void gUniString::Show (bool *doShowAll*) [virtual]**

Reimplemented from `gStorage` (p.276).

**Definition at line 1522 of file gstringext.cpp.int gUniString::thisUniCopyFromTo (gUniString & *copy*, unsigned *startPos*, unsigned *endPos*) [protected]**

Definition at line 1608 of file `gstringext.cpp`.

**Referenced by CopyFromTo().unsigned gUniString::thisUniDelete (unsigned *startPos*, unsigned *endPos*) [protected]**

Definition at line 1568 of file `gstringext.cpp`.

**Referenced by Delete().void gUniString::thisUniUpdate () [protected]**

Definition at line 1564 of file `gstringext.cpp`.

**Referenced by Add(), CopyFromTo(), Delete(), operator[](), Set(), and SetEmpty().t\_uchar \* gUniString::ToString (t\_uchar \* *uBuf*) [virtual]**

Reimplemented from `gStringGeneric` (p.298).

**Definition at line 1533 of file gstringext.cpp.void gUniString::UpString () [virtual]**

Reimplemented from `gStringGeneric` (p.298).

Definition at line 1490 of file `gstringext.cpp`.

---

The documentation for this class was generated from the following files:

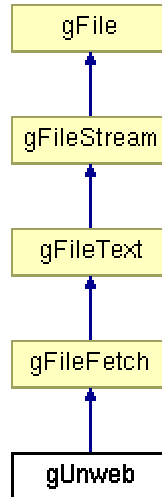
- `gstringext.h`
- `gstringext.cpp`



## gUnweb Class Reference

gUnwebgUnweb#include <gweb.h>

Inheritance diagram for gUnweb:



### Public Types

- enum **eTagCaseChange** { **e\_CaseUnchange**, **e\_CaseConvUpper**, **e\_CaseConvDown** }
- enum **eDumpMask** { **e\_ShowNonscript** = 1, **e\_ShowScript** = 2, **e\_ShowAll** = **e\_ShowNonscript** | **e\_ShowScript** }

### Public Member Functions

- **gUnweb** (char \*fName, bool doVerbose)
- **gUnweb** (gString &sInput, bool doVerbose)
- virtual ~**gUnweb** ()
- virtual bool **IsVerbose** ()
- virtual FILE \* **VerboseStream** ()
- virtual bool **IsBufferOk** ()
- virtual char \* **Str** (unsigned idx)
- virtual bool **HasProcessed** ()
- virtual bool **HasErrors** ()
- unsigned **FindStringKey** (gString &s, char \*sub, unsigned startPos, unsigned endPos)
- unsigned **FindStringKey** (gString &s, char \*sub)
- unsigned **FindStringKey** (char \*s, char \*sub, unsigned startPos, unsigned endPos)
- unsigned **FindStringKey** (char \*s, char \*sub)
- bool **SetVerboseStream** (FILE \*aFRepErr)
- void **SetTagCaseChange** (eTagCaseChange aTagCaseCh)
- void **SetChrHtmParsed** (t\_uchar c)
- int **Dump** (FILE \*fRepErr)

### Public Attributes

- int **firstHtmlError**
- int **firstHtmlErrLNr**
- int **lastHtmlError**
- int **lastHtmlErrLNr**
- int **nHtmlErrors**
- eDumpMask **showKind**
- sCoordText **coordComments**
- sCoordText **coordSerial**
- sCoordText **coordParseErr**

## Protected Member Functions

- `int thisConsolidateData (gList &iL, unsigned lowL, unsigned highL, short step)`
- `int thisConsolidateDataCoord (sCoordText &cErr, sCoordText &coord)`
- `int thisCutCommentsInTxt (sCoordText &coordCmt, sCoordText &zRes)`
- `int thisPreProcess (FILE *fRepErr, gList &iL, gList &oL)`
- `int thisPreJoin (FILE *fRepErr, gList &iL, gList &sL, gList &oL)`
- `int thisPreStripComments (FILE *fRepErr, gList &iL, sCoordText &zRes)`
- `int thisStrMove (gString &s, unsigned startPos, unsigned endPos, gList &oL)`
- `int thisStripReplace (gString &s, char *resStr)`
- `int thisStrSetParse (gString &s, unsigned startPos, unsigned endPos, gString &sResult)`
- `int thisPostProcess (FILE *fRepErr, gList &headL, gList &iL, gList &oL, sCoordText &coord)`
- `int thisAddTxt (int x, int y, char *s, sCoordText &coord)`
- `int thisAddTxt (int x, int y, gString &sTxt, sCoordText &coord)`
- `int thisAddCmd (int x, int y, char *s, sCoordText &coord)`
- `int thisAddCmd (int x, int y, gString &sCmd, sCoordText &coord)`
- `int thisTxtCheck (int x, int y, gString &s, sCoordText &cErr)`

## Protected Attributes

- `bool isVerbose`
- `eTagCaseChange tagCaseCh`

---

## Member Enumeration Documentation

### `enum gUnweb::eDumpMask`

Enumeration values:

*e\_ShowNonscript*  
*e\_ShowScript*  
*e\_ShowAll*

### Definition at line 171 of file gweb.h.`enum gUnweb::eTagCaseChange`

Enumeration values:

*e\_CaseUnchange*  
*e\_CaseConvUpper*  
*e\_CaseConvDown*

Definition at line 165 of file gweb.h.

---

## Constructor & Destructor Documentation

### `gUnweb::gUnweb (char * fName, bool doVerbose)`

Definition at line 222 of file gweb.cpp.`gUnweb::gUnweb (gString & sInput, bool doVerbose)`

### Definition at line 240 of file gweb.cpp.`gUnweb::~~gUnweb () [virtual]`

Definition at line 257 of file gweb.cpp.

---

## Member Function Documentation

**int gUnweb::Dump (FILE \* *fRepErr*)**

Definition at line 334 of file gweb.cpp. unsigned gUnweb::FindStringKey (char \* *s*, char \* *sub*)

Definition at line 327 of file gweb.cpp. unsigned gUnweb::FindStringKey (char \* *s*, char \* *sub*, unsigned *startPos*, unsigned *endPos*)

Definition at line 320 of file gweb.cpp. unsigned gUnweb::FindStringKey (gString & *s*, char \* *sub*)

Definition at line 315 of file gweb.cpp. unsigned gUnweb::FindStringKey (gString & *s*, char \* *sub*, unsigned *startPos*, unsigned *endPos*)

Definition at line 286 of file gweb.cpp.

Referenced by FindStringKey(), thisPostProcess(), and thisTxtCheck(). virtual bool gUnweb::HasErrors () [inline, virtual]

Definition at line 199 of file gweb.h. virtual bool gUnweb::HasProcessed () [inline, virtual]

Definition at line 196 of file gweb.h.

Referenced by Str(), and thisPreProcess(). bool gUnweb::IsBufferOk () [virtual]

Reimplemented from gFileFetch (p.82).

Definition at line 268 of file gweb.cpp. virtual bool gUnweb::IsVerbose () [inline, virtual]

Definition at line 188 of file gweb.h. void gUnweb::SetChrHtmParsed (t\_uchar *c*)

Definition at line 279 of file gweb.cpp.

Referenced by gUnweb(). void gUnweb::SetTagCaseChange (eTagCaseChange *aTagCaseCh*) [inline]

Definition at line 213 of file gweb.h. bool gUnweb::SetVerboseStream (FILE \* *aFRepErr*)

**Definition at line 399 of file gweb.cpp.char \* gUnweb::Str (unsigned *idx*)** [virtual]

Reimplemented from **gFileFetch** (*p.82*).

Definition at line 273 of file gweb.cpp.

**Referenced by Dump(), and gHtmlParser::thisFillFromUnweb().int gUnweb::thisAddCmd (int *x*, int *y*, gString & *sCmd*, sCoordText & *coord*)** [protected]

**Definition at line 1112 of file gweb.cpp.int gUnweb::thisAddCmd (int *x*, int *y*, char \* *s*, sCoordText & *coord*)** [protected]

Definition at line 1105 of file gweb.cpp.

**Referenced by thisPostProcess().int gUnweb::thisAddTxt (int *x*, int *y*, gString & *sTxt*, sCoordText & *coord*)** [protected]

**Definition at line 1082 of file gweb.cpp.int gUnweb::thisAddTxt (int *x*, int *y*, char \* *s*, sCoordText & *coord*)** [protected]

Definition at line 1075 of file gweb.cpp.

**Referenced by thisPostProcess().int gUnweb::thisConsolidateData (gList & *iL*, unsigned *lowL*, unsigned *highL*, short *step*)** [protected]

Definition at line 406 of file gweb.cpp.

**Referenced by Dump(), and thisPreProcess().int gUnweb::thisConsolidateDataCoord (sCoordText & *cErr*, sCoordText & *coord*)** [protected]

printf("DBG:%s:%d:[lvl%d]: [%s]\n",hasSomeScript?"SCR":"nor",x,levelScript,str);

Definition at line 447 of file gweb.cpp.

**Referenced by Dump().int gUnweb::thisCutCommentsInTxt (sCoordText & *coordCmt*, sCoordText & *zRes*)** [protected]

Definition at line 597 of file gweb.cpp.

**Referenced by Dump().int gUnweb::thisPostProcess (FILE \* *fRepErr*, gList & *headL*, gList & *iL*, gList & *oL*, sCoordText & *coord*)** [protected]

Definition at line 922 of file gweb.cpp.

**Referenced by Dump().int gUnweb::thisPreJoin (FILE \* *fRepErr*, gList & *iL*, gList & *sL*, gList & *oL*)** [protected]

Definition at line 715 of file gweb.cpp.

**Referenced by thisPreProcess().int gUnweb::thisPreProcess (FILE \* *fRepErr*, gList & *iL*, gList & *oL*) [protected]**

Definition at line 645 of file gweb.cpp.

**Referenced by Dump().int gUnweb::thisPreStripComments (FILE \* *fRepErr*, gList & *iL*, sCoordText & *zRes*) [protected]**

Definition at line 792 of file gweb.cpp.

**Referenced by thisPreProcess().int gUnweb::thisStripReplace (gString & *s*, char \* *resStr*) [protected]**

Definition at line 898 of file gweb.cpp.

**Referenced by thisPostProcess(), and thisPreJoin().int gUnweb::thisStrMove (gString & *s*, unsigned *startPos*, unsigned *endPos*, gList & *oL*) [protected]**

Definition at line 861 of file gweb.cpp.

**Referenced by thisPostProcess(), thisPreJoin(), and thisStrSetParse().int gUnweb::thisStrSetParse (gString & *s*, unsigned *startPos*, unsigned *endPos*, gString & *sResult*) [protected]**

Definition at line 910 of file gweb.cpp.

**Referenced by thisPostProcess(), and thisPreJoin().int gUnweb::thisTxtCheck (int *x*, int *y*, gString & *s*, sCoordText & *cErr*) [protected]**

Definition at line 1120 of file gweb.cpp.

**Referenced by thisAddTxt().FILE \* gUnweb::VerboseStream () [virtual]**

Definition at line 261 of file gweb.cpp.

Referenced by Dump(), and thisPreProcess().

---

## Member Data Documentation

**sCoordText gUnweb::coordComments**

Definition at line 183 of file gweb.h.

**Referenced by Dump(), and thisPreProcess().sCoordText gUnweb::coordParseErr**

Definition at line 185 of file gweb.h.

**Referenced by Dump(), and thisAddTxt().sCoordText gUnweb::coordSerial**

Definition at line 184 of file gweb.h.

**Referenced by Dump(), Str(), and gHtmlParser::thisFillFromUnweb().int gUnweb::firstHtmlErrLNr**

Definition at line 178 of file gweb.h.

**Referenced by thisConsolidateDataCoord(), and thisPreProcess().int gUnweb::firstHtmlError**

Definition at line 178 of file gweb.h.

**Referenced by thisPreProcess().bool gUnweb::isVerbose [protected]**

Definition at line 222 of file gweb.h.

**Referenced by Dump(), IsVerbose(), SetVerboseStream(), thisPreProcess(), and VerboseStream().int gUnweb::lastHtmlErrLNr**

Definition at line 179 of file gweb.h.

**Referenced by thisConsolidateDataCoord(), and thisPreProcess().int gUnweb::lastHtmlError**

Definition at line 179 of file gweb.h.

**Referenced by thisPreProcess().int gUnweb::nHtmlErrors**

Definition at line 180 of file gweb.h.

**Referenced by Dump(), HasErrors(), HasProcessed(), thisConsolidateDataCoord(), and thisPreProcess().eDumpMask gUnweb::showKind**

Definition at line 181 of file gweb.h.

**Referenced by thisAddTxt().eTagCaseChange gUnweb::tagCaseCh [protected]**

Definition at line 223 of file gweb.h.

Referenced by SetTagCaseChange(), and thisConsolidateDataCoord().

---

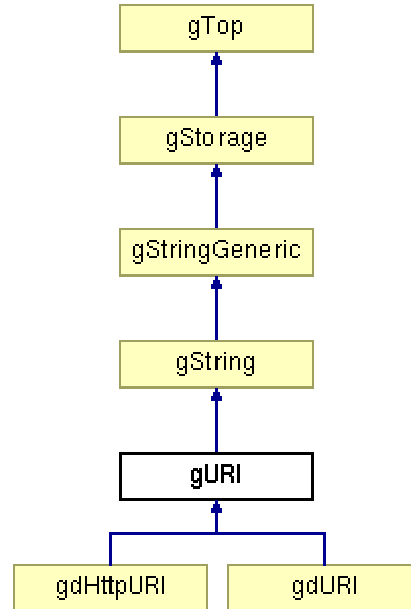
The documentation for this class was generated from the following files:

- **gweb.h**
- **gweb.cpp**

## gURI Class Reference

gURIgURI#include <ghttp.h>

Inheritance diagram for gURI:



### Public Types

- enum eScheme { e\_ftp, e\_http, e\_gopher, e\_mailto, e\_news, e\_nntp, e\_telnet, e\_wais, e\_file, e\_prospero, e\_z39\_50s, e\_z39\_50r, e\_cid, e\_mid, e\_vemmi, e\_service, e\_imap, e\_nfs, e\_acap, e\_rtsp, e\_tip, e\_pop, e\_data, e\_dav, e\_opaqueunlocktoken, e\_sip, e\_sips, e\_tel, e\_fax, e\_modem, e\_ldap, e\_https, e\_soap\_beep, e\_soap\_beeps, xmlrpc\_beep, xmlrpc\_beeps, e\_urn, e\_go, e\_h323, e\_ipp, e\_tftp, e\_mupdate, e\_pres, e\_im, e\_mtqp, e\_RSVD\_reserved, e\_afs, e\_tn3270, e\_mailserver, e\_invalid }
- enum ePathType { e\_NoType, e\_Absolute, e\_Relative, e\_RelativeQualified }

### Public Member Functions

- gURI ()
- gURI (eScheme aScheme)
- virtual ~gURI ()
- virtual bool IsOk ()
- virtual bool IsOkScheme ()
- virtual eScheme GetScheme ()
- virtual char \* Str ()
- ePathType GetPathType ()
- virtual char \* GetOriginalStr ()
- virtual char \* GetDomainStr ()
- virtual char \* GetPathStr ()
- virtual bool IsValidDomain ()
- virtual bool SetString (char \*s)

### Public Attributes

- int lastOpError

### Protected Member Functions

- int thisParseString (char \*s, eScheme aScheme)
- int thisSetDomainPath (char \*s, bool hasSpecScheme, eScheme aScheme)

- `int thisSetPath (char *s)`
- `gURI::eScheme thisGetSchemeFromString (char *s, int &error)`
- `int thisFetchScheme (char *s, eScheme &foundScheme)`

#### Protected Attributes

- `ePathType pathType`
- `gString sOriginal`
- `gString sDomain`
- `gString sPath`

#### Static Protected Attributes

- `static sSchemeUse schemeTbl []`

#### Classes

- `struct sSchemeUse`

### Member Enumeration Documentation

#### enum gURI::ePathType

Enumeration values:

*e\_NoType*  
*e\_Absolute*  
*e\_Relative*  
*e\_RelativeQualified*

Definition at line 160 of file ghttp.h.enum gURI::eScheme

Enumeration values:

*e\_ftp*  
*e\_http*  
*e\_gopher*  
*e\_mailto*  
*e\_news*  
*e\_nntp*  
*e\_telnet*  
*e\_wais*  
*e\_file*  
*e\_prospéro*  
*e\_z39\_50s*  
*e\_z39\_50r*  
*e\_cid*  
*e\_mid*  
*e\_vemmi*  
*e\_service*  
*e\_imap*  
*e\_nfs*  
*e\_acap*  
*e\_rtsp*  
*e\_tip*  
*e\_pop*  
*e\_data*  
*e\_dav*  
*e\_opaqueLocktoken*

*e\_sip*  
*e\_sips*  
*e\_tel*  
*e\_fax*  
*e\_modem*  
*e\_ldap*  
*e\_https*  
*e\_soap\_beep*  
*e\_soap\_beeps*  
*xmlrpc\_beep*  
*xmlrpc\_beeps*  
*e\_urn*  
*e\_go*  
*e\_h323*  
*e\_ipp*  
*e\_tftp*  
*e\_mupdate*  
*e\_pres*  
*e\_im*  
*e\_mqtt*  
*e\_RSVD\_reserved*  
*e\_afs*  
*e\_tn3270*  
*e\_mailserver*  
*e\_invalid*

Definition at line 99 of file ghttp.h.

---

## Constructor & Destructor Documentation

**gURI::gURI ()**

Definition at line 199 of file ghttp.cpp.gURI::gURI (eScheme aScheme)

Definition at line 207 of file ghttp.cpp.gURI::~gURI () [virtual]

Definition at line 215 of file ghttp.cpp.

---

## Member Function Documentation

**virtual char\* gURI::GetDomainStr () [inline, virtual]**

Definition at line 200 of file ghttp.h.

Referenced by gdURI::GetDomainAndPathStr(), gdURI::IsValidDomain(), and gdHttpURI::thisProcessHttpURI().virtual char\* gURI::GetOriginalStr () [inline, virtual]

Definition at line 197 of file ghttp.h.

**Referenced by sOptSnarf::GoCmdHttp(), and sOptSnarf::HasSpecURI().virtual char\* gURI::GetPathStr () [inline, virtual]**

Reimplemented in **gdURI** (p.67).

Definition at line 203 of file ghttp.h.

**Referenced by gdURI::GetPathStr(), sOptSnarf::GoCmdHttp(), and gdHttpURI::thisProcessHttpURI().ePathType gURI::GetPathType () [inline]**

Definition at line 194 of file ghttp.h.

**Referenced by gHSeq::GetURL(), and gHSeq::SetBaseHRef().virtual eScheme gURI::GetScheme () [inline, virtual]**

**Definition at line 188 of file ghttp.h.bool gURI::IsOk () [virtual]**

Reimplemented from **gStorage** (p.275).Reimplemented in **gdURI** (p.67), and **gdHttpURI** (p.48).

Definition at line 219 of file ghttp.cpp.

**Referenced by gdURI::IsOk().virtual bool gURI::IsOkScheme () [inline, virtual]**

Definition at line 184 of file ghttp.h.

**Referenced by sOptSnarf::GoCmdHttp(), IsOk(), and gdURI::IsOk().bool gURI::IsValidDomain () [virtual]**

Reimplemented in **gdURI** (p.67).

Definition at line 244 of file ghttp.cpp.

**Referenced by gdURI::IsValidDomain(), and gdHttpURI::thisProcessHttpURI().bool gURI::SetString (char \* s) [virtual]**

Definition at line 229 of file ghttp.cpp.

**Referenced by gdURI::gdURI(), gHSeq::GetURL(), sOptSnarf::GoCmdHttp(), and gHSeq::SetBaseHRef().char \* gURI::Str () [virtual]**

Reimplemented from **gStringGeneric** (p.296).

Definition at line 224 of file ghttp.cpp.

**Referenced by gdURI::GetPathNameStr(), gHSeq::GetURL(), sOptSnarf::HasSpecURI(), and thisSetPath().int gURI::thisFetchScheme (char \* s, eScheme & foundScheme) [protected]**

Definition at line 412 of file ghttp.cpp.

**Referenced by thisGetSchemeFromString().gURI::eScheme gURI::thisGetSchemeFromString (char \* s, int & error) [protected]**

Definition at line 371 of file ghttp.cpp.

**Referenced by thisParseString().int gURI::thisParseString (char \* s, eScheme aScheme) [protected]**

Definition at line 252 of file ghttp.cpp.

**Referenced by SetString().int gURI::thisSetDomainPath (char \* s, bool hasSpecScheme, eScheme aScheme) [protected]**

Definition at line 314 of file ghttp.cpp.

**Referenced by thisParseString().int gURI::thisSetPath (char \* s) [protected]**

Definition at line 341 of file ghttp.cpp.

Referenced by thisSetDomainPath().

---

## Member Data Documentation

**int gURI::lastOpError**

Definition at line 175 of file ghttp.h.

**Referenced by SetString().ePathType gURI::pathType [protected]**

Definition at line 213 of file ghttp.h.

**Referenced by GetPathType(), IsOk(), thisParseString(), and thisSetPath().gURI::sSchemeUse gURI::schemeTbl [static, protected]**

```
Initial value: {
    { gURI::e_ftp, "ftp", 1738 },
    { gURI::e_http, "http", 2616 },
    { gURI::e_file, "file", 0 },
    { gURI::e_invalid, NULL, -1 }
}
```

Definition at line 12 of file ghttp.cpp.

**Referenced by thisFetchScheme().gString gURI::sDomain [protected]**

Definition at line 215 of file ghttp.h.

**Referenced by gdURI::GetDomainAndPathStr(), GetDomainStr(), IsValidDomain(), gdURI::IsValidDomain(), SetString(), thisSetDomainPath(), and thisSetPath().gString gURI::sOriginal [protected]**

Definition at line 214 of file ghttp.h.

**Referenced by GetOriginalStr(), and SetString().gString gURI::sPath [protected]**

Reimplemented in **gdHttpURI** (p. 49).

Definition at line 216 of file ghttp.h.

Referenced by GetPathStr(), SetString(), and thisSetPath().

---

The documentation for this class was generated from the following files:

- `ghttp.h`
- `ghttp.cpp`

## gURI::sSchemeUse Struct Reference

gURI::sSchemeUse gURI::sSchemeUse#include <ghttp.h>

### Public Attributes

- eScheme theScheme
- char \* name
- short rfcCode

---

### Member Data Documentation

**char\* gURI::sSchemeUse::name**

Definition at line 170 of file ghttp.h.

**Referenced by gURI::thisFetchScheme().short gURI::sSchemeUse::rfcCode**

**Definition at line 171 of file ghttp.h.eScheme gURI::sSchemeUse::theScheme**

Definition at line 169 of file ghttp.h.

Referenced by gURI::thisFetchScheme().

---

The documentation for this struct was generated from the following file:

- ghttp.h

## gVector Class Reference

`gVectorgVector#include <garray.h>`

Inheritance diagram for gVector:



### Public Member Functions

- **gVector** (unsigned nMax=0)
- **gVector** (gVector &copy)
- virtual ~gVector ()
- virtual unsigned **N** ()
- virtual int **GetNumInt** (unsigned iter)
- virtual bool **IsOk** ()
- virtual char \* **Str** ()
- virtual char \* **StrFormat** (char \*fmtOptions, char \*fmtString)
- virtual void **Reset** ()
- virtual void **Release** ()
- virtual void **Resize** (unsigned nMax)
- void **Zero** ()
- void **Set** (int iVal)
- **gVector & Sort** (bool isAscending=true)
- virtual **gVector & operator=** (gVector &copy)
- virtual **gVector & operator+** (gVector &copy)
- virtual **gVector & operator-** (gVector &copy)
- virtual **gVector & operator \*** (gVector &copy)
- virtual int & **operator[]** (unsigned idx)
- virtual bool **operator==** (gVector &copy)
- virtual bool **operator!=** (gVector &copy)

### Public Attributes

- gString sVector

### Protected Attributes

- unsigned **n**
- int \* **v**

---

## Constructor & Destructor Documentation

**gVector::gVector** (unsigned *nMax* = 0)

Definition at line 13 of file garray.cpp.

**Referenced by operator \*(), operator+(), and operator-().**`gVector::gVector (gVector & copy)`

**Definition at line 23 of file garray.cpp.**`gVector::~gVector () [virtual]`

Definition at line 33 of file garray.cpp.

---

## Member Function Documentation

**virtual int** `gVector::GetNumInt (unsigned iter) [inline, virtual]`

Definition at line 29 of file garray.h.

**Referenced by gVector(), operator=(), and operator==().**`virtual bool` `gVector::isOk () [inline, virtual]`

Reimplemented from `gStorage` (p.275).

Definition at line 33 of file garray.h.

**Referenced by GetNumInt().**`virtual unsigned` `gVector::N () [inline, virtual]`

Definition at line 25 of file garray.h.

**Referenced by gArray::AddColumn(), and operator==().**`gVector & gVector::operator * (gVector & copy) [virtual]`

**Definition at line 167 of file garray.cpp.**`bool` `gVector::operator!= (gVector & copy) [virtual]`

**Definition at line 205 of file garray.cpp.**`gVector & gVector::operator+ (gVector & copy) [virtual]`

**Definition at line 135 of file garray.cpp.**`gVector & gVector::operator- (gVector & copy) [virtual]`

**Definition at line 151 of file garray.cpp.**`gVector & gVector::operator= (gVector & copy) [virtual]`

**Definition at line 123 of file garray.cpp.**`bool` `gVector::operator== (gVector & copy) [virtual]`

**Definition at line 195 of file garray.cpp.**`int & gVector::operator[] (unsigned idx) [virtual]`

**Definition at line 188 of file garray.cpp.****void gVector::Release ()** [virtual]

Definition at line 65 of file garray.cpp.

**Referenced by operator=(), Resize(), and ~gVector().****virtual void gVector::Reset ()** [inline, virtual]

Reimplemented from **gInt** (p.216).

**Definition at line 41 of file garray.h.****void gVector::Resize (unsigned nMax)** [virtual]

Definition at line 71 of file garray.cpp.

**Referenced by gArray::thisNewDim().****void gVector::Set (int iVal)**

Definition at line 85 of file garray.cpp.

**Referenced by gArray::Set(), Sort(), and Zero().****gVector & gVector::Sort (bool isAscending = true)**

**Definition at line 91 of file garray.cpp.****char \* gVector::Str ()** [virtual]

Reimplemented from **gStorage** (p.276).

**Definition at line 38 of file garray.cpp.****char \* gVector::StrFormat (char \* fmtOptions, char \* fmtString)** [virtual]

Definition at line 44 of file garray.cpp.

**Referenced by Str().****void gVector::Zero ()** [inline]

Definition at line 49 of file garray.h.

Referenced by **gVector()**, and **Reset()**.

---

## Member Data Documentation

**unsigned gVector::n** [protected]

Definition at line 67 of file garray.h.

**Referenced by GetNumInt(), gVector(), N(), operator \*(), operator+(), operator-(), operator=(), operator==(), operator[](), Resize(), Set(), Sort(), and StrFormat().****gString gVector::sVector**

Definition at line 22 of file garray.h.

**Referenced by StrFormat().****int\* gVector::v** [protected]

Definition at line 68 of file garray.h.

Referenced by GetNumInt(), gVector(), IsOk(), operator \*(), operator+(), operator-(), operator=(), operator==(), operator[](), Release(), Resize(), Set(), Sort(), and StrFormat().

---

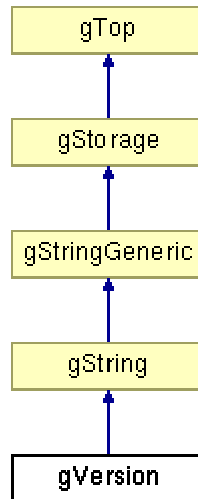
The documentation for this class was generated from the following files:

- **garray.h**
- **garray.cpp**

## gVersion Class Reference

gVersiongVersion#include <ghttp.h>

Inheritance diagram for gVersion:



### Public Member Functions

- **gVersion** (short major=-1, short minor=-1)
- virtual **~gVersion** ()
- virtual bool **SetVersion** (gString &s)
- bool **operator>** (gVersion &version)
- bool **operator<** (gVersion &version)

### Public Attributes

- short **vMajor**
- short **vMinor**

### Protected Member Functions

- int **thisSetMajorOrMinor** (char \*s, short &ver)

---

### Constructor & Destructor Documentation

**gVersion::gVersion** (short *major* = -1, short *minor* = -1)

Definition at line 20 of file ghttp.cpp.virtual gVersion::~gVersion () [inline, virtual]

Definition at line 15 of file ghttp.h.

---

### Member Function Documentation

**bool gVersion::operator<** (gVersion & *version*)

**Definition at line 50 of file ghttp.cpp.****bool gVersion::operator> (gVersion & version)**

**Definition at line 43 of file ghttp.cpp.****bool gVersion::SetVersion (gString & s)**  
**[virtual]**

Definition at line 26 of file ghttp.cpp.

**Referenced by gXHttpGeneric::GetVersion().****int gVersion::thisSetMajorOrMinor (char \* s, short & ver) [protected]**

Definition at line 57 of file ghttp.cpp.

Referenced by SetVersion().

---

## Member Data Documentation

### short gVersion::vMajor

Definition at line 19 of file ghttp.h.

**Referenced by operator<(), operator>(), and SetVersion().****short gVersion::vMinor**

Definition at line 20 of file ghttp.h.

Referenced by operator<(), operator>(), and SetVersion().

---

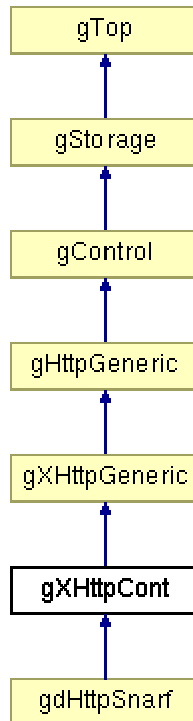
The documentation for this class was generated from the following files:

- **ghttp.h**
- **ghttp.cpp**

## gXHttpCont Class Reference

gXHttpContgXHttpCont#include <gBHttp.h>

Inheritance diagram for gXHttpCont:



### Public Member Functions

- **gXHttpCont** (**gTcpConnect** &connection)
- virtual **~gXHttpCont** ()
- virtual bool **IsText** ()
- virtual bool **GetContent** (**eContentMethod** method, **gString** &sHost, **gString** &sPath, **gString** &sReply)
- virtual char \* **GetHeadUserAgentStr** ()
- virtual char \* **GetHeadRefererStr** ()

### Public Attributes

- **gString** strUserAgent

### Protected Member Functions

- virtual int **ReadReplyText** (**gTcpConnect** &connection, **eContentImport** contImport, **gBigBuffer** &bBuf, unsigned &count)
- virtual int **ReadReplyBin** (**gTcpConnect** &connection, **gBigBuffer** &bBuf, unsigned &count)
- int **ReadReplyUnsize** (**gTcpConnect** &connection, **eContentImport** contImport, **gBigBuffer** &bBuf, unsigned &count)
- int **ReadReplyChunked** (**gTcpConnect** &connection, **gBigBuffer** &bBuf, unsigned &count)
- **t\_uint32** **thisReadChunkSize** (**gTcpConnect** &connection, int &error)
- int **thisGetHtmlCont** (**eContentMethod** method, **gString** &sPath, **gString** &sReply)

### Protected Attributes

- bool isContText
- **gString** sHostname
- **gString** sHeadTempStr

## Constructor & Destructor Documentation

**gXHttpCont::gXHttpCont (gTcpConnect & *connection*)**

**Definition at line 333 of file gBHttp.cpp.** **gXHttpCont::~gXHttpCont ()** [virtual]

Definition at line 341 of file gBHttp.cpp.

---

## Member Function Documentation

**bool gXHttpCont::GetContent (eContentMethod *method*, gString & *sHost*, gString & *sPath*, gString & *sReply*)** [virtual]

Reimplemented from **gXHttpGeneric** (p.352).

Definition at line 345 of file gBHttp.cpp.

**Referenced by gdHttpSnarf::SnarfContent().char \* gXHttpCont::GetHeadRefererStr ()** [virtual]

Definition at line 368 of file gBHttp.cpp.

**Referenced by thisGetHtmlContrl().char \* gXHttpCont::GetHeadUserAgentStr ()** [virtual]

Definition at line 360 of file gBHttp.cpp.

**Referenced by thisGetHtmlContrl().virtual bool gXHttpCont::IsText ()** [inline, virtual]

Definition at line 121 of file gBHttp.h.

**Referenced by gdHttpSnarf::DoPrint().int gXHttpCont::ReadReplyBin (gTcpConnect & *connection*, gBigBuffer & *bBuf*, unsigned & *count*)** [protected, virtual]

Definition at line 568 of file gBHttp.cpp.

**Referenced by thisGetHtmlContrl().int gXHttpCont::ReadReplyChunked (gTcpConnect & *connection*, gBigBuffer & *bBuf*, unsigned & *count*)** [protected]

Definition at line 648 of file gBHttp.cpp.

**Referenced by thisGetHtmlContrl().int gXHttpCont::ReadReplyText (gTcpConnect & *connection*, eContentImport *contImport*, gBigBuffer & *bBuf*, unsigned & *count*)** [protected, virtual]

Definition at line 521 of file gBHttp.cpp.

**Referenced by thisGetHtmlContrl().int gXHttpCont::ReadReplyUnsize** (gTcpConnect & *connection*, eContentImport *contlmpor*t, gBigBuffer & *bBuf*, unsigned & *count*)  
[protected]

Definition at line 600 of file gBHttp.cpp.

**Referenced by thisGetHtmlContrl().int gXHttpCont::thisGetHtmlContrl**  
(eContentMethod *method*, gString & *sPath*, gString & *sReply*) [protected]

Definition at line 377 of file gBHttp.cpp.

**Referenced by GetContent().t\_uint32 gXHttpCont::thisReadChunkSize** (gTcpConnect & *connection*, int & *error*) [protected]

Definition at line 755 of file gBHttp.cpp.  
Referenced by ReadReplyChunked().

---

## Member Data Documentation

**bool gXHttpCont::isContText** [protected]

Definition at line 133 of file gBHttp.h.

**Referenced by IsText(), and thisGetHtmlContrl().gString gXHttpCont::sHeadTempStr**  
[protected]

Definition at line 135 of file gBHttp.h.

**Referenced by GetHeadRefererStr(), and GetHeadUserAgentStr().gString**  
**gXHttpCont::sHostname** [protected]

Definition at line 134 of file gBHttp.h.

**Referenced by GetContent(), GetHeadRefererStr(), and thisGetHtmlContrl().gString**  
**gXHttpCont::strUserAgent**

Definition at line 118 of file gBHttp.h.  
Referenced by GetHeadUserAgentStr(), and gXHttpCont().

---

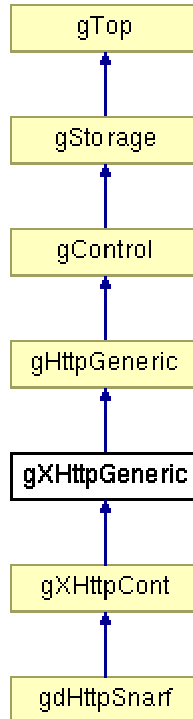
The documentation for this class was generated from the following files:

- **gBHttp.h**
- **gBHttp.cpp**

## gXHttpGeneric Class Reference

gXHttpGeneric gXHttpGeneric#include <gBHttp.h>

Inheritance diagram for gXHttpGeneric:



### Public Member Functions

- virtual ~gXHttpGeneric ()
- virtual gBigBuffer & GetBuffer ()
- virtual gUCharBuffer & GetBaseBuffer ()
- virtual gString & GetProtocolString ()
- virtual gVersion & GetVersion ()
- virtual gTcpConnect & Connection ()
- virtual gTcpConnect \* ConnectionPtr ()
- virtual bool GetContent (eContentMethod method, gString &sHost, gString &sPath, gString &sReply)
- virtual bool SetProtocolVersion (char \*str)
- virtual int AddHead (gString &s, bool doCrNl=true)
- virtual int AddHeadStr (char \*str)
- virtual int WriteHead (bool doFlush=false)
- virtual int SecSleep (t\_uint32 aSec)
- virtual int MiliSecSleep (t\_uint32 aMiliSec)

### Public Attributes

- int ioOpErrCode
- gList getHeaderL
- gList strHeaderL
- gXHttpReplyHeader replyHeader
- gHttpRequestList lReq
- t\_uint64 contentBytesRead
- t\_uint64 totalBytesRead
- gUInt vStat [nStat]
- int keepAliveTimeout

- `int keepAliveMax`
- `FILE * fRepErr`

#### Static Public Attributes

- `static const short nStat = 4`

#### Protected Member Functions

- `gXHttpGeneric (gTcpConnect &connection)`
- `int thisReadHeadReply (gTcpConnect &connection, unsigned &count, gString &sResult)`
- `int thisParseServerReply (gString &sReply, gXHttpReplyHeader &serverReply)`

#### Protected Attributes

- `gBigBuffer * pBuf`
- `gTimerTic mStat [nStat]`

---

### Constructor & Destructor Documentation

`gXHttpGeneric::~gXHttpGeneric () [virtual]`

Definition at line 132 of file `gBHttp.cpp`.  
`gXHttpGeneric::gXHttpGeneric (gTcpConnect &connection) [protected]`

Definition at line 117 of file `gBHttp.cpp`.

---

### Member Function Documentation

`int gXHttpGeneric::AddHead (gString & s, bool doCrNI = true) [virtual]`

Definition at line 191 of file `gBHttp.cpp`.

Referenced by `AddHeadStr()`, and `gXHttpCont::thisGetHtmlContrl().int`  
`gXHttpGeneric::AddHeadStr (char * str) [virtual]`

Definition at line 202 of file `gBHttp.cpp`.

Referenced by `gXHttpCont::thisGetHtmlContrl().gTcpConnect &`  
`gXHttpGeneric::Connection () [virtual]`

Definition at line 163 of file `gBHttp.cpp`.

Referenced by `gXHttpCont::thisGetHtmlContrl()`, and `WriteHead().gTcpConnect *`  
`gXHttpGeneric::ConnectionPtr () [virtual]`

Definition at line 169 of file `gBHttp.cpp`.  
`gUCharBuffer & gXHttpGeneric::GetBaseBuffer () [virtual]`

Reimplemented from `gHttpGeneric (p.212)`.

Definition at line 143 of file `gBHttp.cpp`.

**Referenced by gdHttpSnarf::UBuffer().gBigBuffer & gXHttpGeneric::GetBuffer () [virtual]**

Reimplemented from **gHttpGeneric** (p.212).

Definition at line 137 of file gBHttp.cpp.

**Referenced by gdHttpSnarf::BufferKind(), gdHttpSnarf::DoPrint(), and GetBaseBuffer().bool gXHttpGeneric::GetContent (eContentMethod *method*, gString & *sHost*, gString & *sPath*, gString & *sReply*) [virtual]**

Implements **gHttpGeneric** (p.212).Reimplemented in **gXHttpCont** (p.348).

Definition at line 175 of file gBHttp.cpp.

**Referenced by gXHttpCont::GetContent().gString & gXHttpGeneric::GetProtocolString () [virtual]**

Definition at line 151 of file gBHttp.cpp.

**Referenced by gXHttpCont::thisGetHtmlContrl().gVersion & gXHttpGeneric::GetVersion () [virtual]**

Definition at line 157 of file gBHttp.cpp.

**Referenced by gXHttpCont::thisGetHtmlContrl().int gXHttpGeneric::MiliSecSleep (t\_uint32 *aMiliSec*) [virtual]**

Definition at line 266 of file gBHttp.cpp.

**Referenced by gXHttpCont::ReadReplyChunked().int gXHttpGeneric::SecSleep (t\_uint32 *aSec*) [virtual]**

Definition at line 260 of file gBHttp.cpp.

**Referenced by gXHttpCont::ReadReplyChunked().bool gXHttpGeneric::SetProtocolVersion (char \* *str*) [virtual]**

**Definition at line 184 of file gBHttp.cpp.int gXHttpGeneric::thisParseServerReply (gString & *sReply*, gXHttpReplyHeader & *serverReply*) [protected]**

Definition at line 299 of file gBHttp.cpp.

**Referenced by gXHttpCont::thisGetHtmlContrl().int gXHttpGeneric::thisReadHeadReply (gTcpConnect & *connection*, unsigned & *count*, gString & *sResult*) [protected]**

Definition at line 273 of file gBHttp.cpp.

**Referenced by gXHttpCont::thisGetHtmlContrl().int gXHttpGeneric::WriteHead (bool *doFlush* = false) [virtual]**

Definition at line 209 of file gBHttp.cpp.

Referenced by gXHttpCont::thisGetHtmlContrl().

---

## Member Data Documentation

### **t\_uint64 gXHttpGeneric::contentBytesRead**

Definition at line 59 of file gBHttp.h.

### **Referenced by gXHttpCont::thisGetHtmlContrl().FILE\* gXHttpGeneric::fRepErr**

Definition at line 65 of file gBHttp.h.

### **Referenced by gXHttpCont::ReadReplyChunked(), and gXHttpCont::ReadReplyText().gList gXHttpGeneric::getHeaderL**

Definition at line 54 of file gBHttp.h.

### **Referenced by AddHead(), GetContent(), and WriteHead().int gXHttpGeneric::ioOpErrCode**

Definition at line 53 of file gBHttp.h.

### **Referenced by gXHttpCont::GetContent(), and gXHttpCont::thisGetHtmlContrl().int gXHttpGeneric::keepAliveMax**

Definition at line 64 of file gBHttp.h.

### **Referenced by thisParseServerReply().int gXHttpGeneric::keepAliveTimeout**

Definition at line 63 of file gBHttp.h.

### **Referenced by MiliSecSleep(), and thisParseServerReply().gHttpRequestList gXHttpGeneric::lReq**

Definition at line 57 of file gBHttp.h.

### **Referenced by WriteHead().gTimerTic gXHttpGeneric::mStat[nStat] [protected]**

Definition at line 96 of file gBHttp.h.

### **Referenced by gXHttpCont::thisGetHtmlContrl().const short gXHttpGeneric::nStat = 4 [static]**

Definition at line 61 of file gBHttp.h.

### **Referenced by gXHttpCont::thisGetHtmlContrl().gBigBuffer\* gXHttpGeneric::pBuf [protected]**

Definition at line 95 of file gBHttp.h.

**Referenced by `GetBuffer()`, `gXHttpCont::thisGetHtmlContrl()`, and `~gXHttpGeneric().gXHttpReplyHeader gXHttpGeneric::replyHeader`**

Definition at line 56 of file `gBHttp.h`.

**Referenced by `gdHttpSnarf::GetHeaderLines()`, `gdHttpSnarf::HttpCode()`, `gdHttpSnarf::HttpCodeStr()`, `gXHttpCont::thisGetHtmlContrl()`, and `thisReadHeadReply().gList gXHttpGeneric::strHeaderL`**

Definition at line 55 of file `gBHttp.h`.

**Referenced by `gXHttpCont::thisGetHtmlContrl().t_uint64 gXHttpGeneric::totalBytesRead`**

Definition at line 60 of file `gBHttp.h`.

**Referenced by `gXHttpCont::thisGetHtmlContrl().gUInt gXHttpGeneric::vStat[nStat]`**

Definition at line 62 of file `gBHttp.h`.

Referenced by `gXHttpCont::ReadReplyChunked()`, and `gXHttpCont::thisGetHtmlContrl()`.

---

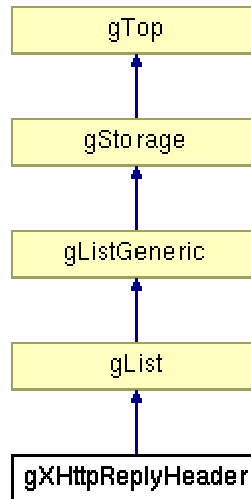
The documentation for this class was generated from the following files:

- `gBHttp.h`
- `gBHttp.cpp`

## gXHttpRequestHeader Class Reference

gXHttpRequestHeadergXHttpRequestHeader#include <gBHttpRequest.h>

Inheritance diagram for gXHttpRequestHeader:



### Public Member Functions

- **gXHttpRequestHeader** ()
- virtual **~gXHttpRequestHeader** ()
- virtual bool **IsText** ()
- virtual bool **IsChunked** ()
- virtual bool **GetLine** (char \*sKind, gString &sResult)
- virtual bool **AddLine** (gString &s)
- virtual **t\_uint32** **GetLength** (bool &hasFound, bool &isLengthOk)
- virtual bool **IsCodeNotFound** ()
- virtual bool **IsCodeRedirect** ()

### Public Attributes

- int **htmlCode**
- gString **sHtmlCode**
- gList **kindsL**
- gList **linesL**

### Protected Member Functions

- int **thisAddLine** (char \*sKind, char \*sContent)
- int **thisAddLine** (gString &sKind, gString &sContent)

### Protected Attributes

- bool **isTransferEncodingChunked**

---

### Constructor & Destructor Documentation

**gXHttpRequestHeader::gXHttpRequestHeader** ()

**Definition at line 8 of file gBHttp.cpp.virtual gXHttpRequestHeader::~gXHttpRequestHeader () [inline, virtual]**

Definition at line 10 of file gBHttp.h.

---

## Member Function Documentation

**bool gXHttpRequestHeader::AddLine (gString & s) [virtual]**

Definition at line 33 of file gBHttp.cpp.

**Referenced by gXHttpRequestGeneric::thisReadHeadReply().t\_uint32 gXHttpRequestHeader::GetLength (bool & *hasFound*, bool & *isLengthOk*) [virtual]**

Definition at line 71 of file gBHttp.cpp.

**Referenced by gXHttpRequestCont::thisGetHtmlControl().bool gXHttpRequestHeader::GetLine (char \* *sKind*, gString & *sResult*) [virtual]**

Definition at line 24 of file gBHttp.cpp.

**Referenced by GetLength(), and IsText().virtual bool gXHttpRequestHeader::IsChunked () [inline, virtual]**

Definition at line 21 of file gBHttp.h.

**Referenced by gXHttpRequestCont::thisGetHtmlControl().virtual bool gXHttpRequestHeader::IsCodeNotFound () [inline, virtual]**

**Definition at line 29 of file gBHttp.h.virtual bool gXHttpRequestHeader::IsCodeRedirect () [inline, virtual]**

**Definition at line 32 of file gBHttp.h.bool gXHttpRequestHeader::IsText () [virtual]**

Definition at line 14 of file gBHttp.cpp.

**Referenced by gXHttpRequestCont::thisGetHtmlControl().int gXHttpRequestHeader::thisAddLine (gString & *sKind*, gString & *sContent*) [protected]**

**Definition at line 105 of file gBHttp.cpp.int gXHttpRequestHeader::thisAddLine (char \* *sKind*, char \* *sContent*) [protected]**

Definition at line 98 of file gBHttp.cpp.

Referenced by AddLine().

---

## Member Data Documentation

### **int gXHttpRequestHeader::htmlCode**

Definition at line 14 of file gBHttpRequest.h.

**Referenced by AddLine(), gdHttpRequest::HttpCode(), IsCodeNotFound(), and IsCodeRedirect().bool gXHttpRequestHeader::isTransferEncodingChunked [protected]**

Definition at line 37 of file gBHttpRequest.h.

### **Referenced by GetLength(), and IsChunked().gList gXHttpRequestHeader::kindsL**

Definition at line 16 of file gBHttpRequest.h.

**Referenced by AddLine(), gdHttpRequest::GetHeaderLines(), GetLine(), gdHttpRequest::HttpCodeStr(), thisAddLine(), and gXHttpRequestGeneric::thisParseServerReply().gList gXHttpRequestHeader::linesL**

Definition at line 17 of file gBHttpRequest.h.

**Referenced by AddLine(), gdHttpRequest::GetHeaderLines(), GetLine(), thisAddLine(), and gXHttpRequestGeneric::thisParseServerReply().gString gXHttpRequestHeader::sHtmlCode**

Definition at line 15 of file gBHttpRequest.h.

Referenced by AddLine().

---

The documentation for this class was generated from the following files:

- **gBHttpRequest.h**
- **gBHttpRequest.cpp**

## sAttrDef Struct Reference

sAttrDef sAttrDef#include <gHtmlParser.h>

### Public Member Functions

- bool **IsDeprecated** ()

### Public Attributes

- t\_int16 **ctrl**
- char \* **attrName**
- char \* **strRelatedLst**
- char \* **strType**
- char \* **strImplReq**
- char **chrDeprecated**
- char \* **strKindDTD**
- char \* **attrInfo**

---

### Member Function Documentation

**bool sAttrDef::IsDeprecated () [inline]**

Definition at line 79 of file gHtmlParser.h.

### Member Data Documentation

**char\* sAttrDef::attrInfo**

**Definition at line 77 of file gHtmlParser.h.char\* sAttrDef::attrName**

**Definition at line 71 of file gHtmlParser.h.char sAttrDef::chrDeprecated**

Definition at line 75 of file gHtmlParser.h.

**Referenced by IsDeprecated().t\_int16 sAttrDef::ctrl**

Definition at line 70 of file gHtmlParser.h.

**Referenced by gdHCouple::CopyNormalizeAttr().char\* sAttrDef::strImplReq**

**Definition at line 74 of file gHtmlParser.h.char\* sAttrDef::strKindDTD**

**Definition at line 76 of file gHtmlParser.h.char\* sAttrDef::strRelatedLst**

**Definition at line 72 of file gHtmlParser.h.char\* sAttrDef::strType**

Definition at line 73 of file gHtmlParser.h.

Referenced by gHAttrs::BuildFromLRLists().

---

The documentation for this struct was generated from the following file:

- **gHtmlParser.h**

## sAttrNorm Struct Reference

sAttrNormsAttrNorm#include <gHtmlOpt.h>

### Public Attributes

- **t\_int16 idTag**
  - **char \* strAttrSeq**
  - **gSmartList \* pAttrSeq**
- 

### Member Data Documentation

#### t\_int16 sAttrNorm::idTag

Definition at line 49 of file gHtmlOpt.h.

**Referenced by** sAttrTagNorm::CopyDefaultAttrNorms().gSmartList\*  
sAttrNorm::pAttrSeq

Definition at line 51 of file gHtmlOpt.h.

**Referenced by** sAttrTagNorm::CopyDefaultAttrNorms(), and  
gHtmlParser::ReleaseHash().char\* sAttrNorm::strAttrSeq

Definition at line 50 of file gHtmlOpt.h.

---

The documentation for this struct was generated from the following file:

- **gHtmlOpt.h**

## sAttrRefer Struct Reference

sAttrRefer sAttrRefer #include <gHtmlParser.h>

### Public Member Functions

- **sAttrRefer** (t\_int16 nAttrs)
- **~sAttrRefer** ()
- **t\_int16 FindAttr** (char \*attrName)
- **t\_int16 FindAttr** (char \*attrName, t\_int16 &uniqIdx)
- **t\_int16 FindAttr** (char \*attrName, char \*strTag)
- **t\_int16 FindAttr** (char \*attrName, char \*strTag, t\_int16 &uniqIdx)

### Public Attributes

- **t\_int16 nAttrs**
- **gString \* sAttrs**
- **gSmartList \* lstRelated**
- **gSwitch \* lstIsAllButEtc**
- **t\_int16 idxUniqMax**
- **gString \* sLUniqs**
- **t\_int16 \* idxLUniqs**
- **gString sOutHelper**

---

### Constructor & Destructor Documentation

**sAttrRefer::sAttrRefer** (t\_int16 nAttrs)

Definition at line 390 of file gHtmlParser.cpp.**sAttrRefer::~sAttrRefer** ()

Definition at line 413 of file gHtmlParser.cpp.

---

### Member Function Documentation

**t\_int16 sAttrRefer::FindAttr** (char \* attrName, char \* strTag, t\_int16 & uniqIdx)

Definition at line 434 of file gHtmlParser.cpp.**t\_int16 sAttrRefer::FindAttr** (char \* attrName, char \* strTag) [inline]

Definition at line 105 of file gHtmlParser.h.**t\_int16 sAttrRefer::FindAttr** (char \* attrName, t\_int16 & uniqIdx)

Definition at line 422 of file gHtmlParser.cpp.**t\_int16 sAttrRefer::FindAttr** (char \* attrName) [inline]

Definition at line 97 of file gHtmlParser.h.

Referenced by gHAttrs::BuildFromLRLists(), gdHCouple::CopyNormalizeAttr(), and FindAttr().

---

## Member Data Documentation

### **t\_int16\* sAttrRefer::idxLUniqs**

Definition at line 94 of file gHtmlParser.h.

### **Referenced by FindAttr(), sAttrRefer(), and ~sAttrRefer().t\_int16 sAttrRefer::idxUniqMax**

Definition at line 92 of file gHtmlParser.h.

### **Referenced by FindAttr().gSwitch\* sAttrRefer::lstIsAllButEtc**

Definition at line 91 of file gHtmlParser.h.

### **Referenced by FindAttr(), sAttrRefer(), and ~sAttrRefer().gSmartList\* sAttrRefer::lstRelated**

Definition at line 90 of file gHtmlParser.h.

### **Referenced by FindAttr(), sAttrRefer(), and ~sAttrRefer().t\_int16 sAttrRefer::nAttrs**

Definition at line 88 of file gHtmlParser.h.

### **Referenced by FindAttr(), and sAttrRefer().gString\* sAttrRefer::sAttrs**

Definition at line 89 of file gHtmlParser.h.

### **Referenced by FindAttr(), sAttrRefer(), and ~sAttrRefer().gString\* sAttrRefer::sLUniqs**

Definition at line 93 of file gHtmlParser.h.

### **Referenced by FindAttr(), sAttrRefer(), and ~sAttrRefer().gString sAttrRefer::sOutHelper**

Definition at line 95 of file gHtmlParser.h.

Referenced by FindAttr().

---

The documentation for this struct was generated from the following files:

- **gHtmlParser.h**
- **gHtmlParser.cpp**

## sAttrsTagNorm Struct Reference

sAttrsTagNorms sAttrsTagNorm #include <gHtmlOpt.h>

### Public Member Functions

- **sAttrsTagNorm ()**
- **~sAttrsTagNorm ()**
- **void Reset ()**
- **int CopyDefaultAttrNorms (t\_int16 idTag0, t\_int16 idTag1, bool doDefault)**

### Public Attributes

- **gSmartList allTagNorm**
- **gSmartList \* lstNorms**

### Constructor & Destructor Documentation

**sAttrsTagNorm::sAttrsTagNorm () [inline]**

**Definition at line 55 of file gHtmlOpt.h.sAttrsTagNorm::~sAttrsTagNorm () [inline]**

Definition at line 58 of file gHtmlOpt.h.

### Member Function Documentation

**int sAttrsTagNorm::CopyDefaultAttrNorms (t\_int16 idTag0, t\_int16 idTag1, bool doDefault)**

Definition at line 60 of file gHtmlOpt.cpp.

**Referenced by gHOutOpt::CopyDefaultAttrNorms().void sAttrsTagNorm::Reset () [inline]**

Definition at line 66 of file gHtmlOpt.h.

Referenced by CopyDefaultAttrNorms().

### Member Data Documentation

**gSmartList sAttrsTagNorm::allTagNorm**

Definition at line 62 of file gHtmlOpt.h.

**Referenced by CopyDefaultAttrNorms().gSmartList\* sAttrsTagNorm::lstNorms**

Definition at line 63 of file gHtmlOpt.h.

Referenced by CopyDefaultAttrNorms(), gdHCouple::CopyNormalizeAttr(), Reset(), and ~sAttrsTagNorm().

The documentation for this struct was generated from the following files:

- **gHtmlOpt.h**

- **gHtmlOpt.cpp**

## sCodeToUni Struct Reference

sCodeToUni sCodeToUni#include <gstringext.h>

### Public Member Functions

- sCodeToUni ()

### Public Attributes

- t\_gPageCode lCode
- t\_gUniPage uniCode

---

### Constructor & Destructor Documentation

sCodeToUni::sCodeToUni () [inline]

Definition at line 73 of file gstringext.h.

---

### Member Data Documentation

t\_gPageCode sCodeToUni::lCode

Definition at line 77 of file gstringext.h.t\_gUniPage sCodeToUni::uniCode

Definition at line 78 of file gstringext.h.

---

The documentation for this struct was generated from the following file:

- gstringext.h

## sCoordText Struct Reference

sCoordTextsCoordText#include <gweb.h>

### Public Member Functions

- **sCoordText** ()
- **~sCoordText** ()
- **bool IsOk** ()
- **unsigned N** ()
- **char \* Str** (unsigned idx)
- **gIntCoord & GetCoord** (unsigned idx)
- **unsigned FindCoordX** (int x)
- **unsigned FindCoordX** (int x, **gList** &foundL, **gList** &foundTxtL)
- **bool Add** (int x, int y, **gString** &s)
- **bool Add** (int x, int y, char \*s)
- **bool Add** (int x, int y, int z, **gString** &s)
- **bool Add** (int x, int y, int z, char \*s)
- **bool AddCoord** (int x, int y, int z=0)
- **bool AddCoordToList** (int x, int y, int z, **gList** &resL)
- **bool AddText** (**gString** &s)
- **bool AddText** (char \*s)
- **void Delete** ()
- **void Report** (FILE \*fRep, bool doShowAll=true)

### Public Attributes

- **gList coordL**
- **gList textL**

### Constructor & Destructor Documentation

**sCoordText::sCoordText** () [inline]

Definition at line 121 of file gweb.h.**sCoordText::~sCoordText** () [inline]

Definition at line 123 of file gweb.h.

### Member Function Documentation

**bool sCoordText::Add** (int x, int y, int z, char \* s)

Definition at line 167 of file gweb.cpp.**bool sCoordText::Add** (int x, int y, int z, **gString** &s)

Definition at line 147 of file gweb.cpp.**bool sCoordText::Add** (int x, int y, char \* s)

**Definition at line 140 of file gweb.cpp.bool sCoordText::Add (int x, int y, gString & s) [inline]**

Definition at line 138 of file gweb.h.

**Referenced by Add(), gUnweb::thisAddCmd(), gUnweb::thisAddTxt(), gUnweb::thisConsolidateDataCoord(), and gUnweb::thisTxtCheck().bool sCoordText::AddCoord (int x, int y, int z = 0)**

Definition at line 174 of file gweb.cpp.

**Referenced by Add(), and gUnweb::thisPreStripComments().bool sCoordText::AddCoordToList (int x, int y, int z, gList & resL)**

Definition at line 179 of file gweb.cpp.

**Referenced by AddCoord(), and FindCoordX().bool sCoordText::AddText (char \* s)**

**Definition at line 194 of file gweb.cpp.bool sCoordText::AddText (gString & s)**

Definition at line 189 of file gweb.cpp.

**Referenced by Add(), and gUnweb::thisPreStripComments().void sCoordText::Delete ()**

**Definition at line 201 of file gweb.cpp.unsigned sCoordText::FindCoordX (int x, gList & foundL, gList & foundTxtL)**

**Definition at line 122 of file gweb.cpp.unsigned sCoordText::FindCoordX (int x)**

**Definition at line 116 of file gweb.cpp.gIntCoord & sCoordText::GetCoord (unsigned idx)**

Definition at line 108 of file gweb.cpp.

**Referenced by gUnweb::Dump(), FindCoordX(), Report(), gUnweb::thisAddTxt(), gUnweb::thisConsolidateDataCoord(), and gUnweb::thisCutCommentsInTxt().bool sCoordText::IsOk ()**

Definition at line 90 of file gweb.cpp.

**Referenced by AddCoordToList(), and N().unsigned sCoordText::N ()**

Definition at line 97 of file gweb.cpp.

**Referenced by gUnweb::Dump(), FindCoordX(), Report(), gUnweb::thisAddTxt(), gUnweb::thisConsolidateDataCoord(), gUnweb::thisCutCommentsInTxt(),**

**gHtmlParser::thisFillFromUnweb(), gUnweb::thisPostProcess(), and  
gUnweb::thisPreProcess().void sCoordText::Report (FILE \* *fRep*, bool *doShowAll* =  
true)**

Definition at line 207 of file gweb.cpp.

**Referenced by gUnweb::Dump().char \* sCoordText::Str (unsigned *idx*)**

Definition at line 103 of file gweb.cpp.

Referenced by gUnweb::Dump(), Report(), gUnweb::Str(), gUnweb::thisConsolidateDataCoord(), and  
gUnweb::thisCutCommentsInTxt().

---

## Member Data Documentation

**gList sCoordText::coordL**

Definition at line 126 of file gweb.h.

**Referenced by AddCoord(), Delete(), GetCoord(), IsOk(), and N().gList  
sCoordText::textL**

Definition at line 127 of file gweb.h.

Referenced by AddText(), Delete(), FindCoordX(), IsOk(), and Str().

---

The documentation for this struct was generated from the following files:

- **gweb.h**
- **gweb.cpp**

## sFileKind Struct Reference

sFileKindsFileKind#include <gstringext.h>

### Public Member Functions

- **sFileKind ()**
- **sFileKind (gString &s)**
- **~sFileKind ()**
- **int Process (gString &s)**
- **void Show (bool doShowAll=true)**

### Public Attributes

- **gString sAll**
- **gString sMain**
- **gString sSub**
- **gString sCharset**
- **gList mainL**
- **gList compL**

---

### Constructor & Destructor Documentation

**sFileKind::sFileKind ()**

Definition at line 1341 of file gstringext.cpp.sFileKind::sFileKind (gString & s)

Definition at line 1345 of file gstringext.cpp.sFileKind::~sFileKind ()

Definition at line 1350 of file gstringext.cpp.

### Member Function Documentation

**int sFileKind::Process (gString & s)**

Definition at line 1354 of file gstringext.cpp.

**Referenced by sFileKind().void sFileKind::Show (bool doShowAll = true)**

Definition at line 1383 of file gstringext.cpp.

---

### Member Data Documentation

**gList sFileKind::compL**

Definition at line 388 of file gstringext.h.

**Referenced by Process(), and Show().gList sFileKind::mainL**

Definition at line 387 of file gstringext.h.

**Referenced by Process(), and Show().gString sFileKind::sAll**

Definition at line 383 of file gstringext.h.

**Referenced by Process(), and Show().gString sFileKind::sCharset**

Definition at line 386 of file gstringext.h.

**Referenced by Process(), and Show().gString sFileKind::sMain**

Definition at line 384 of file gstringext.h.

**Referenced by Process(), and Show().gString sFileKind::sSub**

Definition at line 385 of file gstringext.h.

Referenced by Process(), and Show().

---

The documentation for this struct was generated from the following files:

- **gstringext.h**
- **gstringext.cpp**

## sFileStat Struct Reference

sFileStatsFileStat#include <gfilestat.h>

### Public Member Functions

- **sFileStat ()**
- **void ToDefault ()**
- **bool IsValid ()**
- **bool IsDirectory ()**
- **bool IsLink ()**
- **t\_fs\_perm Permission ()**
- **t\_fs\_perm AllPermission ()**
- **long Size ()**
- **t\_uint32 USize ()**
- **void Copy (sFileStat &copy)**

### Public Attributes

- **t\_inode inode**
- **t\_uint32 mode**
- **t\_uint16 uid**
- **t\_uint16 gid**
- **t\_uint32 size**
- **t\_uint32 blocks**
- **t\_uint16 nLinks**
- **time\_t aTime**
- **time\_t mTime**
- **time\_t cTime**

---

### Constructor & Destructor Documentation

**sFileStat::sFileStat () [inline]**

Definition at line 13 of file gfilestat.h.

---

### Member Function Documentation

**t\_fs\_perm sFileStat::AllPermission ()**

**Definition at line 39 of file gfilestat.cpp.**  
**void sFileStat::Copy (sFileStat & copy)**  
**[inline]**

Definition at line 56 of file gfilestat.h.

**Referenced by gFileStat::CopyStat().bool sFileStat::IsDirectory ()**

Definition at line 7 of file gfilestat.cpp.

**Referenced by gFileStat::IsDirectory(), Size(), and gDir::thisScanDir().bool sFileStat::IsLink ()**

Definition at line 12 of file gfilestat.cpp.

**Referenced by** `gFileStat::IsLink().bool sFileStat::IsValid () [inline]`

**Definition at line 43 of file gfilestat.h.**`t_fs_perm sFileStat::Permission ()`

**Definition at line 34 of file gfilestat.cpp.**`long sFileStat::Size ()`

Definition at line 21 of file gfilestat.cpp.

**Referenced by** `USize().void sFileStat::ToDefault () [inline]`

Definition at line 34 of file gfilestat.h.

**Referenced by** `gFileStat::thisFileStat(), and gFileStat::thisStatName().t_uint32 sFileStat::USize ()`

Definition at line 28 of file gfilestat.cpp.

---

## Member Data Documentation

**time\_t sFileStat::aTime**

Definition at line 32 of file gfilestat.h.

**Referenced by** `Copy(), gFileStat::thisFileStat(), gFileStat::thisStatName(), and ToDefault().t_uint32 sFileStat::blocks`

Definition at line 30 of file gfilestat.h.

**Referenced by** `Copy(), gFileStat::thisStatName(), and ToDefault().time_t sFileStat::cTime`

Definition at line 32 of file gfilestat.h.

**Referenced by** `Copy(), gFileStat::thisFileStat(), gFileStat::thisStatName(), and ToDefault().t_uint16 sFileStat::gid`

Definition at line 28 of file gfilestat.h.

**Referenced by** `Copy(), IsValid(), gFileStat::thisFileStat(), gFileStat::thisStatName(), and ToDefault().t_inode sFileStat::inode`

Definition at line 26 of file gfilestat.h.

**Referenced by Copy(), gFileStat::thisStatName(), and ToDefault().t\_uint32 sFileStat::mode**

Definition at line 27 of file gfilestat.h.

**Referenced by AllPermission(), Copy(), IsDirectory(), IsLink(), Permission(), gFileStat::thisFileStat(), gFileStat::thisStatName(), and ToDefault().time\_t sFileStat::mTime**

Definition at line 32 of file gfilestat.h.

**Referenced by Copy(), gFileStat::thisFileStat(), gFileStat::thisStatName(), and ToDefault().t\_uint16 sFileStat::nLinks**

Definition at line 31 of file gfilestat.h.

**Referenced by Copy(), gFileStat::thisStatName(), and ToDefault().t\_uint32 sFileStat::size**

Definition at line 29 of file gfilestat.h.

**Referenced by Copy(), Size(), gFileStat::thisFileStat(), gFileStat::thisStatName(), and ToDefault().t\_uint16 sFileStat::uid**

Definition at line 28 of file gfilestat.h.

Referenced by Copy(), IsValid(), Size(), gFileStat::thisFileStat(), gFileStat::thisStatName(), and ToDefault().

---

The documentation for this struct was generated from the following files:

- **gfilestat.h**
- **gfilestat.cpp**

## sFileStreamCtrl Struct Reference

sFileStreamCtrl sFileStreamCtrl#include <gBStreamEtc.h>

### Public Member Functions

- **sFileStreamCtrl ()**
- **sFileStreamCtrl (gString &aName)**
- **~sFileStreamCtrl ()**
- **bool IsAutoNamed ()**
- **bool IsOpened ()**
- **bool DoClose ()**
- **bool DoRemove (gString &sName)**

### Public Attributes

- **FILE \* f**
  - **gString sAutoName**
  - **gString sName**
- 

### Constructor & Destructor Documentation

**sFileStreamCtrl::sFileStreamCtrl ()**

**Definition at line 5 of file gBStreamEtc.cpp.**  
**sFileStreamCtrl::sFileStreamCtrl (gString &aName)**

**Definition at line 10 of file gBStreamEtc.cpp.**  
**sFileStreamCtrl::~~sFileStreamCtrl ()**

Definition at line 17 of file gBStreamEtc.cpp.

---

### Member Function Documentation

**bool sFileStreamCtrl::DoClose () [inline]**

**Definition at line 24 of file gBStreamEtc.h.**  
**bool sFileStreamCtrl::DoRemove (gString &sName) [inline]**

Definition at line 31 of file gBStreamEtc.h.

**Referenced by ~sFileStreamCtrl().**  
**bool sFileStreamCtrl::IsAutoNamed () [inline]**

**Definition at line 15 of file gBStreamEtc.h.**  
**bool sFileStreamCtrl::IsOpened () [inline]**

Definition at line 19 of file gBStreamEtc.h.  
Referenced by DoClose(), and ~sFileStreamCtrl().

---

## Member Data Documentation

### **FILE\* sFileStreamCtrl::f**

Definition at line 11 of file gBStreamEtc.h.

### **Referenced by DoClose(), and IsOpened().gString sFileStreamCtrl::sAutoName**

Definition at line 12 of file gBStreamEtc.h.

### **Referenced by IsAutoNamed().gString sFileStreamCtrl::sName**

Definition at line 13 of file gBStreamEtc.h.

Referenced by ~sFileStreamCtrl().

---

The documentation for this struct was generated from the following files:

- **gBStreamEtc.h**
- **gBStreamEtc.cpp**

## sHAttrType Struct Reference

```
sHAttrTypesHAttrType#include <gHtmlHATypes.h>
```

### Public Attributes

- **t\_int16** typeFamily
  - **char \*** strType
  - **eHAttrType** hAttrType
  - **short** hAttrSingle
- 

### Member Data Documentation

#### short sHAttrType::hAttrSingle

Definition at line 59 of file gHtmlHATypes.h.

#### Referenced by gHAttr::NewType().eHAttrType sHAttrType::hAttrType

Definition at line 58 of file gHtmlHATypes.h.

#### Referenced by gHAttr::BuildFromLRLists(), and gHAttr::NewType().char\* sHAttrType::strType

Definition at line 57 of file gHtmlHATypes.h.

#### Referenced by gHAttr::BuildFromLRLists(), gHAttr::TypeEnumToSmartL(), and gHAttr::TypeName2HAttrType().t\_int16 sHAttrType::typeFamily

Definition at line 56 of file gHtmlHATypes.h.

Referenced by gHtmlParser::GetNAttrType(), gHAttr::NewType(), and gHAttr::TypeName2HAttrType().

---

The documentation for this struct was generated from the following file:

- **gHtmlHATypes.h**

## sHOutFormat Struct Reference

sHOutFormat sHOutFormat #include <gHtmlOpt.h>

### Public Member Functions

- **sHOutFormat ()**
- **~sHOutFormat ()**
- **char \* GetBeginLineStr (t\_uint16 state, t\_uint16 rLine)**
- **void Prepare ()**
- **int SetIndentString (char cIndent, t\_uint16 nBlanks, gString &sResult)**
- **void CopyHOutFormat (sHOutFormat &copy)**

### Public Attributes

- **char cIndentLevel**
- **gSwitch oIndentLevel1**
- **gString sBeginLine [e\_HS\_Last+1]**

---

### Constructor & Destructor Documentation

**sHOutFormat::sHOutFormat () [inline]**

**Definition at line 25 of file gHtmlOpt.h.sHOutFormat::~sHOutFormat () [inline]**

Definition at line 30 of file gHtmlOpt.h.

---

### Member Function Documentation

**void sHOutFormat::CopyHOutFormat (sHOutFormat & copy)**

Definition at line 53 of file gHtmlOpt.cpp.

**Referenced by gHtmlOpt::CopyOptions().char \* sHOutFormat::GetBeginLineStr (t\_uint16 state, t\_uint16 rLine)**

Definition at line 8 of file gHtmlOpt.cpp.

**Referenced by gHSeq::ShowPart().void sHOutFormat::Prepare ()**

Definition at line 16 of file gHtmlOpt.cpp.

**Referenced by CopyHOutFormat(), and sHOutFormat().int sHOutFormat::SetIndentString (char cIndent, t\_uint16 nBlanks, gString & sResult)**

Definition at line 39 of file gHtmlOpt.cpp.

Referenced by Prepare().

---

## Member Data Documentation

### **char sHOutFormat::cIndentLevel**

Definition at line 33 of file gHtmlOpt.h.

### **Referenced by CopyHOutFormat(), and Prepare().gSwitch sHOutFormat::oIndentLevel1**

Definition at line 34 of file gHtmlOpt.h.

### **Referenced by CopyHOutFormat(), and Prepare().gString sHOutFormat::sBeginLine[e\_HS\_Last+1]**

Definition at line 36 of file gHtmlOpt.h.

Referenced by GetBeginLineStr(), and Prepare().

---

The documentation for this struct was generated from the following files:

- **gHtmlOpt.h**
- **gHtmlOpt.cpp**

## sHtmlElement Struct Reference

sHtmlElementsHtmlElement#include <gHtmlParser.h>

### Public Member Functions

- bool **CannotEndTag** ()
- bool **MayEndTag** ()
- bool **IsDeprecated** ()
- short **DeprecatedLevel** ()
- bool **IsFrameset** ()
- bool **IsLoose** ()

### Public Attributes

- t\_int16 **ctrl**
- char \* **elemName**
- char \* **elemInfo**
- char **optStart**
- char **optEnd**
- char **isDeprecated**
- char **kindDTD**
- char **family**

---

### Member Function Documentation

**bool sHtmlElement::CannotEndTag ()** [inline]

Definition at line 49 of file gHtmlParser.h.

**Referenced by gHSeq::thisCheck().short sHtmlElement::DeprecatedLevel ()** [inline]

**Definition at line 58 of file gHtmlParser.h.bool sHtmlElement::IsDeprecated ()**  
[inline]

**Definition at line 55 of file gHtmlParser.h.bool sHtmlElement::IsFrameset ()** [inline]

**Definition at line 61 of file gHtmlParser.h.bool sHtmlElement::IsLoose ()** [inline]

**Definition at line 64 of file gHtmlParser.h.bool sHtmlElement::MayEndTag ()** [inline]

Definition at line 52 of file gHtmlParser.h.

Referenced by gHSeq::thisCheck().

---

### Member Data Documentation

**t\_int16 sHtmlElement::ctrl**

Definition at line 40 of file gHtmlParser.h.

**Referenced by gHOutOpt::thisConfig(), and gHtmlParser::thisParse().char\* sHtmlElement::elemInfo**

**Definition at line 42 of file gHtmlParser.h.char\* sHtmlElement::elemName**

Definition at line 41 of file gHtmlParser.h.

**Referenced by gHOutOpt::thisHasTidy(), and gHOutOpt::thisHasTidyAttr().char sHtmlElement::family**

**Definition at line 47 of file gHtmlParser.h.char sHtmlElement::isDeprecated**

Definition at line 45 of file gHtmlParser.h.

**Referenced by DeprecatedLevel(), and IsDeprecated().char sHtmlElement::kindDTD**

Definition at line 46 of file gHtmlParser.h.

**Referenced by IsFrameset(), and IsLoose().char sHtmlElement::optEnd**

Definition at line 44 of file gHtmlParser.h.

**Referenced by CannotEndTag(), MayEndTag(), and gHtmlParser::SetOptions().char sHtmlElement::optStart**

Definition at line 43 of file gHtmlParser.h.

Referenced by MayEndTag().

---

The documentation for this struct was generated from the following file:

- **gHtmlParser.h**

## sHtmlEntSymbol Struct Reference

sHtmlEntSymbolsHtmlEntSymbol#include <gdNetStrings.h>

### Public Attributes

- char \* sName
- t\_uint32 vAscii
- char symRef
- char \* sDesc

---

### Member Data Documentation

**char\* sHtmlEntSymbol::sDesc**

**Definition at line 10 of file gdNetStrings.h.char\* sHtmlEntSymbol::sName**

Definition at line 7 of file gdNetStrings.h.

**Referenced by gHtmlString::thisFindSymbolISO().char sHtmlEntSymbol::symRef**

**Definition at line 9 of file gdNetStrings.h.t\_uint32 sHtmlEntSymbol::vAscii**

Definition at line 8 of file gdNetStrings.h.

Referenced by gHtmlString::thisConvertHToAscii(), and gHtmlString::thisFindSymbolISO().

---

The documentation for this struct was generated from the following file:

- gdNetStrings.h

## sHtmlSymbol Struct Reference

sHtmlSymbolsHtmlSymbol#include <gstringext.h>

### Public Member Functions

- **sHtmlSymbol ()**
- **bool IsNormal ()**
- **bool IsOk ()**
- **int GetCompatLevel ()**
- **char \* GetHtmlStr ()**
- **bool SetCompatible (bool isOk)**
- **bool SetCompatibleZero ()**

### Public Attributes

- **gString sTransHtm**
- **t\_uchar cCompNote**

### Static Public Attributes

- **static char sBuf [50]**

---

### Constructor & Destructor Documentation

**sHtmlSymbol::sHtmlSymbol () [inline]**

Definition at line 170 of file gstringext.h.

---

### Member Function Documentation

**int sHtmlSymbol::GetCompatLevel () [inline]**

**Definition at line 184 of file gstringext.h.char \* sHtmlSymbol::GetHtmlStr ()**

**Definition at line 600 of file gstringext.cpp.bool sHtmlSymbol::IsNormal () [inline]**

Definition at line 178 of file gstringext.h.

**Referenced by GetHtmlStr().bool sHtmlSymbol::IsOk () [inline]**

Definition at line 181 of file gstringext.h.

**Referenced by GetCompatLevel(), and GetHtmlStr().bool sHtmlSymbol::SetCompatible (bool isOk) [inline]**

Definition at line 190 of file gstringext.h.

**Referenced by sUnicodeBin::ReadFromStream().bool  
sHtmlSymbol::SetCompatibleZero () [inline]**

Definition at line 194 of file gstringext.h.

Referenced by sUnicodeBin::ReadFromStream().

---

## Member Data Documentation

**t\_uchar sHtmlSymbol::cCompNote**

Definition at line 174 of file gstringext.h.

**Referenced by GetCompatLevel(), IsNormal(), IsOk(), sUnicodeBin::ReadFromStream(),  
SetCompatible(), and SetCompatibleZero().char sHtmlSymbol::sBuf [static]**

Definition at line 10 of file gstringext.cpp.

**Referenced by GetHtmlStr().gString sHtmlSymbol::sTransHtm**

Definition at line 173 of file gstringext.h.

Referenced by GetHtmlStr(), sUnicodeBin::ReadFromStream(), and sUnicodeBin::SaveToStream().

---

The documentation for this struct was generated from the following files:

- **gstringext.h**
- **gstringext.cpp**

## slanaCountry2 Struct Reference

slanaCountry2slanaCountry2#include <gstringext.h>

### Public Attributes

- char **twoLetter** [3]
  - char \* **strCountry**
- 

### Member Data Documentation

**char\* slanaCountry2::strCountry**

**Definition at line 69 of file gstringext.h.char slanaCountry2::twoLetter[3]**

Definition at line 68 of file gstringext.h.

---

The documentation for this struct was generated from the following file:

- **gstringext.h**

## sOptProxy Struct Reference

sOptProxysOptProxy#include <gBHttpProxy.h>

### Public Member Functions

- sOptProxy ()
- bool IsValid ()
- void Reset ()
- sOptProxy ()
- bool IsValid ()
- void Reset ()

### Public Attributes

- gString sHost
- t\_gPort port

---

### Constructor & Destructor Documentation

**sOptProxy::sOptProxy ()** [inline]

Definition at line 7 of file gBHttpProxy.h.sOptProxy::sOptProxy () [inline]

Definition at line 47 of file gdSnarfCommon.h.

---

### Member Function Documentation

**bool sOptProxy::IsValid ()** [inline]

Definition at line 53 of file gdSnarfCommon.h.bool sOptProxy::IsValid () [inline]

Definition at line 15 of file gBHttpProxy.h.void sOptProxy::Reset () [inline]

Definition at line 57 of file gdSnarfCommon.h.void sOptProxy::Reset () [inline]

Definition at line 20 of file gBHttpProxy.h.  
Referenced by gdHttpURI::ParseProxyStr().

---

### Member Data Documentation

**t\_gPort sOptProxy::port**

Definition at line 51 of file gdSnarfCommon.h.

**Referenced by IsValid(), gdHttpURI::ParseProxyStr(), Reset(), and  
gdHttpURI::thisProcessHttpURI().gString sOptProxy::sHost**

Definition at line 50 of file gdSnarfCommon.h.

Referenced by IsValid(), gdHttpURI::ParseProxyStr(), and Reset().

---

The documentation for this struct was generated from the following files:

- **gBHttpProxy.h**
- **gdSnarfCommon.h**

## sOptSnarf Struct Reference

sOptSnarfsOptSnarf#include <gdSnarfCommon.h>

### Public Member Functions

- **sOptSnarf ()**
- **~sOptSnarf ()**
- **bool HasSpecURI ()**
- **bool HasProxy ()**
- **t\_uint32 GetInOctets ()**
- **gString & GetProxy ()**
- **char \* NewLine ()**
- **FILE \* OutStream ()**
- **bool OutStreamWasOpened ()**
- **gdOptUnweb & UnwebOpt ()**
- **int ShowStats (FILE \*fStat, gTimerTic &tic, t\_gTicElapsed cpuTics)**  
*int ProxyValidate (gString& sProxyName, t\_uint16& rProxyPort) ;*
- **int GoCmdHttp (gURI &aURI)**

### Public Attributes

- **bool isVerbose**
- **bool isVeryVerbose**
- **bool doDosMode**
- **bool doView**
- **bool doUnweb**
- **bool doShowStats**
- **bool doError4NotFound**
- **t\_gPort myPort**
- **gURI myURI**
- **gString myProto**
- **gString myProxy**
- **gString sOutFileName**
- **gString sFileDumpReply**
- **gdOptUnweb \* unwebOpt**
- **FILE \* fOut**
- **t\_uint32 readOctets**
- **short nStat**
- **gUInt vStat [10]**
- **gURI resultURI**

---

### Constructor & Destructor Documentation

**sOptSnarf::sOptSnarf ()** [inline]

**Definition at line 64 of file gdSnarfCommon.h.sOptSnarf::~sOptSnarf ()**

**Definition at line 12 of file gdSnarfCommon.cpp.**

---

## Member Function Documentation

**t\_uint32 sOptSnarf::GetInOctets () [inline]**

Definition at line 111 of file gdSnarfCommon.h.

**Referenced by ShowStats().gString& sOptSnarf::GetProxy () [inline]**

**Definition at line 114 of file gdSnarfCommon.h.int sOptSnarf::GoCmdHttp (gURI & aURI)**

**Definition at line 64 of file gdSnarfCommon.cpp.bool sOptSnarf::HasProxy () [inline]**

**Definition at line 108 of file gdSnarfCommon.h.bool sOptSnarf::HasSpecURI ()**

**Definition at line 18 of file gdSnarfCommon.cpp.char\* sOptSnarf::NewLine () [inline]**

**Definition at line 118 of file gdSnarfCommon.h.FILE \* sOptSnarf::OutStream ()**

**Definition at line 23 of file gdSnarfCommon.cpp.bool sOptSnarf::OutStreamWasOpened () [inline]**

Definition at line 124 of file gdSnarfCommon.h.

**Referenced by ~sOptSnarf().int sOptSnarf::ShowStats (FILE \* fStat, gTimerTic & tic, t\_gTicElapsed cpuTics)**

**Definition at line 35 of file gdSnarfCommon.cpp.gdOptUnweb & sOptSnarf::UnwebOpt ()**

Definition at line 29 of file gdSnarfCommon.cpp.

---

## Member Data Documentation

**bool sOptSnarf::doDosMode**

Definition at line 84 of file gdSnarfCommon.h.

**Referenced by NewLine().bool sOptSnarf::doError4NotFound**

**Definition at line 88 of file gdSnarfCommon.h.bool sOptSnarf::doShowStats**

**Definition at line 87 of file gdSnarfCommon.h.bool sOptSnarf::doUnweb**

**Definition at line 86 of file gdSnarfCommon.h.bool sOptSnarf::doView**

**Definition at line 85 of file gdSnarfCommon.h.FILE\* sOptSnarf::fOut**

Definition at line 98 of file gdSnarfCommon.h.

**Referenced by OutStream(), OutStreamWasOpened(), and ~sOptSnarf().bool sOptSnarf::isVerbose**

Definition at line 83 of file gdSnarfCommon.h.

**Referenced by ShowStats().bool sOptSnarf::isVeryVerbose**

**Definition at line 83 of file gdSnarfCommon.h.t\_gPort sOptSnarf::myPort**

**Definition at line 89 of file gdSnarfCommon.h.gString sOptSnarf::myProto**

**Definition at line 92 of file gdSnarfCommon.h.gString sOptSnarf::myProxy**

Definition at line 93 of file gdSnarfCommon.h.

**Referenced by GetProxy(), and HasProxy().gURI sOptSnarf::myURI**

Definition at line 91 of file gdSnarfCommon.h.

**Referenced by HasSpecURI().short sOptSnarf::nStat**

Definition at line 100 of file gdSnarfCommon.h.

**Referenced by ShowStats().t\_uint32 sOptSnarf::readOctets**

Definition at line 99 of file gdSnarfCommon.h.

**Referenced by GetInOctets().gURI sOptSnarf::resultURI**

Definition at line 103 of file gdSnarfCommon.h.

**Referenced by GoCmdHttp().gString sOptSnarf::sFileDumpReply**

**Definition at line 95 of file gdSnarfCommon.h.gString sOptSnarf::sOutFileName**

**Definition at line 94 of file gdSnarfCommon.h.gdOptUnweb\* sOptSnarf::unwebOpt**

Definition at line 97 of file gdSnarfCommon.h.

**Referenced by UnwebOpt(), and ~sOptSnarf().gUInt sOptSnarf::vStat[10]**

Definition at line 101 of file gdSnarfCommon.h.

Referenced by ShowStats().

---

The documentation for this struct was generated from the following files:

- **gdSnarfCommon.h**
- **gdSnarfCommon.cpp**

## sParamRaw Struct Reference

sParamRaw sParamRaw #include <garg.h>

### Public Types

- enum eParamFollow { e\_ParamNoVal, e\_ParamThisArg, e\_ParamNextArg }

### Public Member Functions

- sParamRaw (eParamFollow aParamFollow=e\_ParamNoVal)
- ~sParamRaw ()
- gStorage \* GetParamVal ()
- bool BuildParamVal (char \*s)
- bool AddMember (char \*s)

### Public Attributes

- eParamFollow paramFollow
- gString sufStr
- gString paramSep
- gList members
- unsigned posControl
- gStorage \* myParamVal

---

### Member Enumeration Documentation

enum sParamRaw::eParamFollow

Enumeration values:

*e\_ParamNoVal*  
*e\_ParamThisArg*  
*e\_ParamNextArg*

Definition at line 59 of file garg.h.

---

### Constructor & Destructor Documentation

sParamRaw::sParamRaw (eParamFollow aParamFollow = e\_ParamNoVal)

Definition at line 177 of file garg.cpp.sParamRaw::~sParamRaw ()

Definition at line 184 of file garg.cpp.

---

### Member Function Documentation

bool sParamRaw::AddMember (char \* s)

Definition at line 218 of file garg.cpp.

Referenced by gParamElem::Add().bool sParamRaw::BuildParamVal (char \* s)

Definition at line 195 of file garg.cpp.

**Referenced by gParamElem::Add().gStorage \* sParamRaw::GetParamVal ()**

Definition at line 189 of file garg.cpp.

---

## Member Data Documentation

### **gList sParamRaw::members**

Definition at line 72 of file garg.h.

**Referenced by AddMember(), gArg::Show(), gArg::thisFillParamFromChr(), gArg::thisFillParamFromStr(), and gArg::thisFindParamFromStr().gStorage\* sParamRaw::myParamVal**

Definition at line 74 of file garg.h.

**Referenced by BuildParamVal(), GetParamVal(), and ~sParamRaw().eParamFollow sParamRaw::paramFollow**

Definition at line 69 of file garg.h.

**Referenced by gParamElem::Add(), gArg::Show(), gArg::thisFindParamFromStr(), and gArg::thisFlushAll().gString sParamRaw::paramSep**

Definition at line 71 of file garg.h.

**Referenced by gParamElem::Add(), and gArg::Show().unsigned sParamRaw::posControl**

Definition at line 73 of file garg.h.

**Referenced by AddMember().gString sParamRaw::sufStr**

Definition at line 70 of file garg.h.

**Referenced by AddMember(), gArg::thisFillParamFromChr(), and gArg::thisFillParamFromStr().**

---

The documentation for this struct was generated from the following files:

- **garg.h**
- **garg.cpp**

## sServiceArray Struct Reference

sServiceArraysServiceArray#include <gstorage.h>

### Public Member Functions

- sServiceArray (unsigned max)
- ~sServiceArray ()
- void **Allocate** (unsigned nAlloc)
- void **Release** ()
- bool **Add** (sServiceNode &aNode)
- bool **Delete** (gStorage \*pStorage)
- unsigned **FindFreeNode** ()
- sServiceArray (sServiceArray &)
- sServiceArray & operator= (sServiceArray &)

### Public Attributes

- unsigned **n**
- unsigned **maxN**
- sServiceNode \* **pNodes**

---

### Constructor & Destructor Documentation

**sServiceArray::sServiceArray (unsigned *max*)**

Definition at line 249 of file gstorage.cpp.sServiceArray::~sServiceArray ()

Definition at line 257 of file gstorage.cpp.sServiceArray::sServiceArray (sServiceArray &)

---

### Member Function Documentation

**bool sServiceArray::Add (sServiceNode & *aNode*)**

Definition at line 279 of file gstorage.cpp.void sServiceArray::Allocate (unsigned *nAlloc*)

Definition at line 269 of file gstorage.cpp.

**Referenced by sServiceArray().bool sServiceArray::Delete (gStorage \* *pStorage*)**

Definition at line 296 of file gstorage.cpp.unsigned sServiceArray::FindFreeNode ()

Definition at line 312 of file gstorage.cpp.

**Referenced by Add().sServiceArray& sServiceArray::operator= (sServiceArray &)**

**void sServiceArray::Release ()**

Definition at line 262 of file gstorage.cpp.

Referenced by ~sServiceArray().

---

## **Member Data Documentation**

**unsigned sServiceArray::maxN**

Definition at line 242 of file gstorage.h.

**Referenced by Add(), Allocate(), Delete(), FindFreeNode(), and sServiceArray().unsigned sServiceArray::n**

Definition at line 242 of file gstorage.h.

**Referenced by Add(), Delete(), and Release().sServiceNode\* sServiceArray::pNodes**

Definition at line 243 of file gstorage.h.

Referenced by Add(), Allocate(), Delete(), FindFreeNode(), gSocket::Open(), and Release().

---

The documentation for this struct was generated from the following files:

- **gstorage.h**
- **gstorage.cpp**

## sServiceNode Struct Reference

sServiceNodesServiceNode#include <gstorage.h>

### Public Member Functions

- sServiceNode ()
- ~sServiceNode ()
- void Copy (sServiceNode &copy)
- void Delete ()
- sServiceNode (sServiceNode &)
- sServiceNode & operator= (sServiceNode &)

### Public Attributes

- short used
- short index
- int handle
- char shortName [60]
- gStorage \* pStorage

### Constructor & Destructor Documentation

**sServiceNode::sServiceNode () [inline]**

Definition at line 213 of file gstorage.h.sServiceNode::~~sServiceNode ()

Definition at line 223 of file gstorage.cpp.sServiceNode::sServiceNode (sServiceNode &)

### Member Function Documentation

**void sServiceNode::Copy (sServiceNode & copy)**

Definition at line 231 of file gstorage.cpp.

**Referenced by sServiceArray::Add().void sServiceNode::Delete ()**

Definition at line 240 of file gstorage.cpp.

**Referenced by sServiceArray::Delete(), and sServiceNode().sServiceNode&sServiceNode::operator= (sServiceNode &)**

### Member Data Documentation

**int sServiceNode::handle**

Definition at line 225 of file gstorage.h.

**Referenced by Copy(), Delete(), and gSocket::Open().short sServiceNode::index**

Definition at line 224 of file gstorage.h.

**Referenced by sServiceArray::Add(), Delete(), and gSocket::Open().gStorage\* sServiceNode::pStorage**

Definition at line 227 of file gstorage.h.

**Referenced by Copy(), Delete(), and gSocket::Open().char sServiceNode::shortName[60]**

Definition at line 226 of file gstorage.h.

**Referenced by Copy(), Delete(), and gSocket::Open().short sServiceNode::used**

Definition at line 223 of file gstorage.h.

Referenced by Copy(), Delete(), and gSocket::Open().

---

The documentation for this struct was generated from the following files:

- **gstorage.h**
- **gstorage.cpp**

## sServiceRegister Struct Reference

sServiceRegistersServiceRegister#include <gstorage.h>

### Public Member Functions

- **sServiceRegister** (unsigned aMediumNodes=5)
- **~sServiceRegister** ()
- **bool HasNodes** ()
- **unsigned NumberOfNodes** ()
- **int AllocateNodes** ()
- **void ReleaseDescriptor** ()
- **void ReleaseData** ()
- **sServiceRegister** (sServiceRegister &)
- **sServiceRegister & operator=** (sServiceRegister &)

### Public Attributes

- **sStorageDesc** descriptor
- **unsigned nMediumNodes**
- **sServiceArray \* data**

### Constructor & Destructor Documentation

**sServiceRegister::sServiceRegister** (unsigned *aMediumNodes* = 5) [*inline*]

Definition at line 258 of file gstorage.h.**sServiceRegister::~sServiceRegister** ()

Definition at line 321 of file gstorage.cpp.**sServiceRegister::sServiceRegister** (sServiceRegister &)

### Member Function Documentation

**int sServiceRegister::AllocateNodes** ()

Definition at line 327 of file gstorage.cpp.**bool sServiceRegister::HasNodes** () [*inline*]

Definition at line 272 of file gstorage.h.**unsigned sServiceRegister::NumberOfNodes** () [*inline*]

Definition at line 275 of file gstorage.h.**sServiceRegister& sServiceRegister::operator=** (sServiceRegister &)

**void sServiceRegister::ReleaseData** ()

Definition at line 343 of file gstorage.cpp.

**Referenced by ~sServiceRegister().void sServiceRegister::ReleaseDescriptor ()**

Definition at line 337 of file gstorage.cpp.

Referenced by ~sServiceRegister().

---

**Member Data Documentation**

**sServiceArray\* sServiceRegister::data**

Definition at line 269 of file gstorage.h.

**Referenced by AllocateNodes(), HasNodes(), gSocket::Open(), ReleaseData(), and ~sServiceRegister().sStorageDesc sServiceRegister::descriptor**

Definition at line 267 of file gstorage.h.

**Referenced by ReleaseDescriptor(), and sServiceRegister().unsigned sServiceRegister::nMediumNodes**

Definition at line 268 of file gstorage.h.

Referenced by AllocateNodes(), and NumberOfNodes().

---

The documentation for this struct was generated from the following files:

- **gstorage.h**
- **gstorage.cpp**

## sSignalTrap Struct Reference

sSignalTrapsSignalTrap#include <gfile.h>

### Public Attributes

- **t\_int16 sigId**
  - **t\_int16 handled**
  - **char \* shortName**
- 

### Member Data Documentation

#### t\_int16 sSignalTrap::handled

Definition at line 49 of file gfile.h.

Referenced by **gFileControl::IsSignaled()**, **gFileControl::SetSignaled()**, and **gFileControl::SetSignaledByStr().char\* sSignalTrap::shortName**

#### Definition at line 50 of file gfile.h.t\_int16 sSignalTrap::sigId

Definition at line 48 of file gfile.h.

Referenced by **gFileControl::IsSignaled()**, **gFileControl::SetSignaled()**, and **gFileControl::SetSignaledByStr()**.

---

The documentation for this struct was generated from the following file:

- **gfile.h**

## sStorageDesc Struct Reference

sStorageDescsStorageDesc#include <gstorage.h>

### Public Attributes

- char \* **descStr**
  - short **refKind**
- 

### Member Data Documentation

**char\* sStorageDesc::descStr**

Definition at line 38 of file gstorage.h.

**Referenced by sServiceRegister::ReleaseDescriptor(),  
sServiceRegister::sServiceRegister(), and gStorage::StorageName().short  
sStorageDesc::refKind**

Definition at line 39 of file gstorage.h.

Referenced by gStorage::Show(), and sServiceRegister::ServiceRegister().

---

The documentation for this struct was generated from the following file:

- **gstorage.h**

## sTcbBin Struct Reference

sTcbBinsTcbBin#include <gstringext.h>

### Public Member Functions

- sTcbBin ()
- ~sTcbBin ()
- bool IsLinear ()
- int ReadFromStream (FILE \*f)
- int ReadFromFile (char \*fName)

### Public Attributes

- char verMajor [6]
- char cLevel
- gDateDay revisionDate
- t\_uchar revisionRef
- char cNormRef
- char sDescTag [13]
- gString sDescStr
- t\_gCpCode cpCode
- char cLinearInd
- t\_uint32 nSymb
- t\_gUniPage \* linearTbl
- sCodeToUni \* bigTbl

---

### Constructor & Destructor Documentation

**sTcbBin::sTcbBin ()**

**Definition at line 317 of file gstringext.cpp.sTcbBin::~sTcbBin ()**

Definition at line 333 of file gstringext.cpp.

---

### Member Function Documentation

**bool sTcbBin::IsLinear ()**

**Definition at line 339 of file gstringext.cpp.int sTcbBin::ReadFromFile (char \* fName)**

**Definition at line 408 of file gstringext.cpp.int sTcbBin::ReadFromStream (FILE \* f)**

Definition at line 344 of file gstringext.cpp.  
Referenced by ReadFromFile().

---

### Member Data Documentation

**sCodeToUni\* sTcbBin::bigTbl**

Definition at line 97 of file gstringext.h.

**Referenced by `~sTcbBin().char sTcbBin::cLevel`**

Definition at line 86 of file gstringext.h.

**Referenced by `ReadFromStream().char sTcbBin::cLinearInd`**

Definition at line 93 of file gstringext.h.

**Referenced by `IsLinear()`, and `ReadFromStream().char sTcbBin::cNormRef`**

Definition at line 89 of file gstringext.h.

**Referenced by `ReadFromStream().t_gCpCode sTcbBin::cpCode`**

Definition at line 92 of file gstringext.h.

**Referenced by `ReadFromStream().t_gUniPage* sTcbBin::linearTbl`**

Definition at line 96 of file gstringext.h.

**Referenced by `ReadFromStream()`, `sTcbBin()`, and `~sTcbBin().t_uint32 sTcbBin::nSymb`**

Definition at line 94 of file gstringext.h.

**Referenced by `ReadFromStream().gDateDay sTcbBin::revisionDate`**

Definition at line 87 of file gstringext.h.

**Referenced by `ReadFromStream().t_uchar sTcbBin::revisionRef`**

Definition at line 88 of file gstringext.h.

**Referenced by `ReadFromStream().gString sTcbBin::sDescStr`**

Definition at line 91 of file gstringext.h.

**Referenced by `ReadFromStream().char sTcbBin::sDescTag[13]`**

Definition at line 90 of file gstringext.h.

**Referenced by `ReadFromStream().char sTcbBin::verMajor[6]`**

Definition at line 85 of file gstringext.h.

Referenced by `ReadFromStream()`, and `sTcbBin()`.

---

The documentation for this struct was generated from the following files:

- **gstringext.h**
- **gstringext.cpp**

## sTidyArray Struct Reference

sTidyArraysTidyArray#include <gHtmlOpt.h>

### Public Member Functions

- sTidyArray ()
- ~sTidyArray ()
- void Release ()
- void Copy (sTidyArray &copy)

### Public Attributes

- unsigned n
- sTidyElem \* lst
- bool doTidyAll

---

### Constructor & Destructor Documentation

**sTidyArray::sTidyArray () [inline]**

**Definition at line 123 of file gHtmlOpt.h.sTidyArray::~sTidyArray () [inline]**

Definition at line 128 of file gHtmlOpt.h.

### Member Function Documentation

**void sTidyArray::Copy (sTidyArray & copy)**

Definition at line 225 of file gHtmlOpt.cpp.

**Referenced by gHOutOpt::CopyHOutOpt().void sTidyArray::Release () [inline]**

Definition at line 136 of file gHtmlOpt.h.

Referenced by Copy(), gHOutOpt::thisConfig(), and ~sTidyArray().

---

### Member Data Documentation

**bool sTidyArray::doTidyAll**

Definition at line 133 of file gHtmlOpt.h.

**Referenced by Copy(), gdSnarfCont::gdSnarfCont(), gHOutOpt::thisHasTidy(), and gHOutOpt::thisHasTidyAttr().sTidyElem\* sTidyArray::lst**

Definition at line 132 of file gHtmlOpt.h.

**Referenced by Copy(), Release(), gHOutOpt::thisConfig(), gHOutOpt::thisHasTidy(), and gHOutOpt::thisHasTidyAttr().unsigned sTidyArray::n**

Definition at line 131 of file gHtmlOpt.h.

Referenced by Copy(), Release(), gHOutOpt::thisConfig(), gHOutOpt::thisHasTidy(), and gHOutOpt::thisHasTidyAttr().

---

The documentation for this struct was generated from the following files:

- **gHtmlOpt.h**
- **gHtmlOpt.cpp**

## sTidyElem Struct Reference

sTidyElem sTidyElem#include <gHtmlOpt.h>

### Public Member Functions

- sTidyElem ()
- ~sTidyElem ()
- bool AnyAttr ()
- void Copy (sTidyElem &copy)

### Public Attributes

- sHtmlElement \* pElem
- gString sAttr

---

### Constructor & Destructor Documentation

sTidyElem::sTidyElem () [inline]

Definition at line 106 of file gHtmlOpt.h.sTidyElem::~sTidyElem () [inline]

Definition at line 109 of file gHtmlOpt.h.

### Member Function Documentation

bool sTidyElem::AnyAttr () [inline]

Definition at line 113 of file gHtmlOpt.h.

Referenced by gHOutOpt::thisHasTidyAttr().void sTidyElem::Copy (sTidyElem & copy) [inline]

Definition at line 116 of file gHtmlOpt.h.

Referenced by sTidyArray::Copy().

---

### Member Data Documentation

sHtmlElement\* sTidyElem::pElem

Definition at line 111 of file gHtmlOpt.h.

Referenced by Copy(), gHOutOpt::thisConfig(), gHOutOpt::thisHasTidy(), and gHOutOpt::thisHasTidyAttr().gString sTidyElem::sAttr

Definition at line 112 of file gHtmlOpt.h.

Referenced by AnyAttr(), Copy(), gHOutOpt::thisConfig(), gHOutOpt::thisHasTidy(), and gHOutOpt::thisHasTidyAttr().

---

The documentation for this struct was generated from the following file:

- gHtmlOpt.h



## sTidyFiles Struct Reference

sTidyFilesTidyFiles#include <gdSnarfTidy.h>

### Public Member Functions

- sTidyFiles ()
- ~sTidyFiles ()

### Public Attributes

- gFileTemp \* ptrFileTemp
- gUnweb \* ptrUnweb

---

### Constructor & Destructor Documentation

sTidyFiles::sTidyFiles () [inline]

Definition at line 8 of file gdSnarfTidy.h.sTidyFiles::~sTidyFiles ()

Definition at line 6 of file gdSnarfTidy.cpp.

---

### Member Data Documentation

gFileTemp\* sTidyFiles::ptrFileTemp

Definition at line 14 of file gdSnarfTidy.h.

Referenced by ~sTidyFiles().gUnweb\* sTidyFiles::ptrUnweb

Definition at line 15 of file gdSnarfTidy.h.

Referenced by ~sTidyFiles().

---

The documentation for this struct was generated from the following files:

- gdSnarfTidy.h
- gdSnarfTidy.cpp

## sTimeSeconds Struct Reference

sTimeSecondssTimeSeconds#include <gtime.h>

### Public Member Functions

- sTimeSeconds ()
- void ToDefault ()
- double GetMiliSecs ()
- void Copy (sTimeSeconds &copy)
- sTimeSeconds (sTimeSeconds &)
- sTimeSeconds & operator= (sTimeSeconds &)

### Public Attributes

- t\_uint32 sec
- t\_uint32 microSec

---

### Constructor & Destructor Documentation

**sTimeSeconds::sTimeSeconds () [inline]**

Definition at line 7 of file gtime.h.sTimeSeconds::sTimeSeconds (sTimeSeconds &)

---

### Member Function Documentation

**void sTimeSeconds::Copy (sTimeSeconds & copy) [inline]**

Definition at line 20 of file gtime.h.

**Referenced by gTimerTic::Reset().double sTimeSeconds::GetMiliSecs () [inline]**

Definition at line 16 of file gtime.h.

**Referenced by gTimerTic::GetMilisecsDiff().sTimeSeconds& sTimeSeconds::operator= (sTimeSeconds &)**

**void sTimeSeconds::ToDefault () [inline]**

Definition at line 13 of file gtime.h.

---

### Member Data Documentation

**t\_uint32 sTimeSeconds::microSec**

Definition at line 11 of file gtime.h.

**Referenced by Copy(), GetMiliSecs(), and ToDefault().t\_uint32 sTimeSeconds::sec**

Definition at line 11 of file gtime.h.

Referenced by Copy(), GetMiliSecs(), and ToDefault().

---

The documentation for this struct was generated from the following file:

- **gtime.h**

## sUnCodeBin Struct Reference

```
sUnCodeBinsUnCodeBin#include <gstringext.h>
```

### Public Types

- enum **eDescStg** { **e\_DescNone** = 0, **e\_Desc40Byte** = 40, **e\_Desc60ByteDef** = 60, **e\_Desc80Byte** = 80, **e\_Desc255Byte** = 255 }

### Public Member Functions

- **sUnCodeBin** ()
- **~sUnCodeBin** ()
- unsigned **N** ()
- int **GetMajorVersion** ()
- bool **HasHtml** ()
- char **GetDescStgChr** ()
- bool **IsFlat** (t\_uchar &chr)
- bool **IsFlatOk** ()
- t\_uint32 **FindCode** (t\_gUniPage aCode)
- char **GetLetterCompat** (t\_gUniPage aCode)
- int **AllocateSymbols** (int nSymbols)
- int **SetVersion** (t\_uchar aMajorVersion, t\_uchar aMinorAlpha)
- int **SetNTables** (bool hasHtmlTrans, int nExtTbl)
- int **SaveToFile** (char \*fName)
- int **SaveToStream** (FILE \*f)
- int **ReadFromFile** (char \*fName)
- int **ReadFromStream** (FILE \*f)

### Public Attributes

- unsigned **n**
- **sUnCodeSymbol** \* **mapTab**
- char **verMajor** [6]
- t\_uchar **verHtml**
- t\_uchar **cUniLevel**
- **eDescStg** **descStg**
- **gDateDay** **revisionDate**
- t\_uchar **revisionRef**
- char **revReferenceStr** [17]
- t\_uchar **cExtTbl**
- unsigned **nHtmlTrans**
- **gString** **sHtmlUnmap**
- **sHtmlSymbol** \* **mapHtm**
- t\_uchar **cHtmAsciiStt**

---

## Member Enumeration Documentation

### enum sUnCodeBin::eDescStg

Enumeration values:

*e\_DescNone*  
*e\_Desc40Byte*  
*e\_Desc60ByteDef*  
*e\_Desc80Byte*  
*e\_Desc255Byte*

Definition at line 201 of file gstringext.h.

---

## Constructor & Destructor Documentation

**sUnCodeBin::sUnCodeBin ()**

**Definition at line 612 of file gstringext.cpp.sUnCodeBin::~~sUnCodeBin ()**

Definition at line 630 of file gstringext.cpp.

---

## Member Function Documentation

**int sUnCodeBin::AllocateSymbols (int *nSymbols*)**

**Definition at line 719 of file gstringext.cpp.t\_uint32 sUnCodeBin::FindCode (t\_gUniPage *aCode*)**

Definition at line 687 of file gstringext.cpp.

**Referenced by GetLetterCompat(), and ReadFromStream().char sUnCodeBin::GetDescStgChr ()**

Definition at line 642 of file gstringext.cpp.

**Referenced by SaveToStream().char sUnCodeBin::GetLetterCompat (t\_gUniPage *aCode*)**

**Definition at line 696 of file gstringext.cpp.int sUnCodeBin::GetMajorVersion ()**

**Definition at line 636 of file gstringext.cpp.bool sUnCodeBin::HasHtml ()**

Definition at line 712 of file gstringext.cpp.

**Referenced by SaveToStream().bool sUnCodeBin::IsFlat (t\_uchar & *chr*)**

Definition at line 662 of file gstringext.cpp.

**Referenced by IsFlatOk(), ReadFromStream(), and SaveToStream().bool sUnCodeBin::IsFlatOk ()**

Definition at line 668 of file gstringext.cpp.

**Referenced by SaveToFile().unsigned sUnCodeBin::N () [inline]**

Definition at line 229 of file gstringext.h.

**Referenced by** GetLetterCompat().int sUnicodeBin::ReadFromFile (char \* fName)

**Definition at line 858 of file gstringext.cpp.int** sUnicodeBin::ReadFromStream (FILE \* f)

Definition at line 878 of file gstringext.cpp.

**Referenced by** ReadFromFile().int sUnicodeBin::SaveToFile (char \* fName)

**Definition at line 750 of file gstringext.cpp.int** sUnicodeBin::SaveToStream (FILE \* f)

Definition at line 766 of file gstringext.cpp.

**Referenced by** SaveToFile().int sUnicodeBin::SetNTables (bool hasHtmlTrans, int nExtTbl)

**Definition at line 743 of file gstringext.cpp.int** sUnicodeBin::SetVersion (t\_uchar aMajorVersion, t\_uchar aMinorAlpha)

Definition at line 734 of file gstringext.cpp.

---

## Member Data Documentation

**t\_uchar sUnicodeBin::cExtTbl**

Definition at line 221 of file gstringext.h.

**Referenced by** HasHtml(), ReadFromStream(), and SetNTables().t\_uchar sUnicodeBin::cHtmAsciiStt

Definition at line 226 of file gstringext.h.

**Referenced by** HasHtml(), ReadFromStream(), and SaveToStream().t\_uchar sUnicodeBin::cUniLevel

Definition at line 216 of file gstringext.h.

**Referenced by** ReadFromStream().eDescStg sUnicodeBin::descStg

Definition at line 217 of file gstringext.h.

**Referenced by** GetDescStgChr(), and ReadFromStream().sHtmlSymbol\* sUnicodeBin::mapHtm

Definition at line 225 of file gstringext.h.

**Referenced by ReadFromStream(), SaveToStream(), and  
~sUnicodeBin().sUnicodeSymbol\* sUnicodeBin::mapTab**

Definition at line 213 of file gstringext.h.

**Referenced by AllocateSymbols(), FindCode(), GetLetterCompat(), IsFlatOk(),  
ReadFromFile(), ReadFromStream(), SaveToFile(), SaveToStream(), and  
~sUnicodeBin().unsigned sUnicodeBin::n**

Definition at line 212 of file gstringext.h.

**Referenced by AllocateSymbols(), FindCode(), IsFlatOk(), N(), ReadFromStream(), and  
SaveToStream().unsigned sUnicodeBin::nHtmlTrans**

Definition at line 223 of file gstringext.h.

**Referenced by ReadFromStream(), and SaveToStream().gDateDay  
sUnicodeBin::revisionDate**

Definition at line 218 of file gstringext.h.

**Referenced by ReadFromStream(), and SaveToStream().t\_uchar  
sUnicodeBin::revisionRef**

Definition at line 219 of file gstringext.h.

**Referenced by ReadFromStream(), and SaveToStream().char  
sUnicodeBin::revReferenceStr[17]**

Definition at line 220 of file gstringext.h.

**Referenced by ReadFromStream(), SaveToStream(), and sUnicodeBin().gString  
sUnicodeBin::sHtmlUnmap**

Definition at line 224 of file gstringext.h.

**Referenced by ReadFromStream(), SaveToStream(), and sUnicodeBin().t\_uchar  
sUnicodeBin::verHtml**

Definition at line 215 of file gstringext.h.

**Referenced by HasHtml(), ReadFromStream(), and SaveToStream().char  
sUnicodeBin::verMajor[6]**

Definition at line 214 of file gstringext.h.

Referenced by GetMajorVersion(), ReadFromStream(), SaveToFile(), SaveToStream(), SetVersion(),  
and sUnicodeBin().

---

The documentation for this struct was generated from the following files:

- **gstringext.h**
- **gstringext.cpp**



## sUnicodeSymbol Struct Reference

sUnicodeSymbolsUnicodeSymbol#include <gstringext.h>

### Public Member Functions

- **sUnicodeSymbol ()**
- **~sUnicodeSymbol ()**
- **bool IsValid ()**
- **bool HasName ()**
- **bool IsLetter ()**
- **bool IsLetterUppcase ()**
- **bool IsLetterDowncase ()**
- **void SetCode (t\_gUniPage aCode)**
- **int SaveBin (FILE \*f)**
- **int ReadBin (FILE \*f)**

### Public Attributes

- **t\_gUniPage uniCode**
- **gString \* symbolName**
- **char twoLetterCat [3]**
- **char statZero**
- **char thrLetterStyle [4]**
- **gString strCompat**
- **t\_gUniPage ucCompat**
- **gString strNumber**
- **char clsOpenClose**
- **t\_gUniPage extEqClose**
- **gString strNote**
- **t\_gUniPage ucUpper**
- **t\_gUniPage ucDown**
- **t\_gUniPage ucUpRngExt**
- **gString strLocale**
- **t\_uchar refVersLetter**
- **t\_uint16 extUtMask**

### Static Public Attributes

- **static short strSymNameLen = 60**
- **static char symBufExt [257]**

---

### Constructor & Destructor Documentation

**sUnicodeSymbol::sUnicodeSymbol ()** [inline]

**Definition at line 106 of file gstringext.h.sUnicodeSymbol::~sUnicodeSymbol ()**  
[inline]

Definition at line 121 of file gstringext.h.

---

## Member Function Documentation

**bool sUnicodeSymbol::HasName () [inline]**

**Definition at line 148 of file gstringext.h.**  
**bool sUnicodeSymbol::IsLetter () [inline]**

Definition at line 151 of file gstringext.h.

**Referenced by sUnicodeBin::GetLetterCompat(), IsLetterDowncase(), and IsLetterUppcase().**  
**bool sUnicodeSymbol::IsLetterDowncase () [inline]**

**Definition at line 157 of file gstringext.h.**  
**bool sUnicodeSymbol::IsLetterUppcase () [inline]**

**Definition at line 154 of file gstringext.h.**  
**bool sUnicodeSymbol::IsValid ()**

Definition at line 420 of file gstringext.cpp.

**Referenced by ReadBin(), and SaveBin().**  
**int sUnicodeSymbol::ReadBin (FILE \* f)**

**Definition at line 514 of file gstringext.cpp.**  
**int sUnicodeSymbol::SaveBin (FILE \* f)**

**Definition at line 452 of file gstringext.cpp.**  
**void sUnicodeSymbol::SetCode (t\_gUniPage aCode)**

Definition at line 427 of file gstringext.cpp.

---

## Member Data Documentation

**char sUnicodeSymbol::clsOpenClose**

Definition at line 133 of file gstringext.h.

**Referenced by IsValid(), ReadBin(), and SaveBin().**  
**t\_gUniPage sUnicodeSymbol::extEqClose**

Definition at line 134 of file gstringext.h.

**Referenced by ReadBin(), and SaveBin().**  
**t\_uint16 sUnicodeSymbol::extUtMask**

Definition at line 141 of file gstringext.h.

**Referenced by ReadBin(), SaveBin(), and SetCode().t\_uchar  
sUnicodeSymbol::refVersLetter**

Definition at line 140 of file gstringext.h.

**Referenced by ReadBin(), and SaveBin().char sUnicodeSymbol::statZero**

**Definition at line 128 of file gstringext.h.gString sUnicodeSymbol::strCompat**

Definition at line 130 of file gstringext.h.

**Referenced by sUnicodeBin::ReadFromStream(), and  
sUnicodeBin::SaveToStream().gString sUnicodeSymbol::strLocale**

Definition at line 139 of file gstringext.h.

**Referenced by ReadBin().gString sUnicodeSymbol::strNote**

Definition at line 135 of file gstringext.h.

**Referenced by ReadBin(), and SaveBin().gString sUnicodeSymbol::strNumber**

Definition at line 132 of file gstringext.h.

**Referenced by SaveBin().short sUnicodeSymbol::strSymNameLen = 60 [static]**

Definition at line 11 of file gstringext.cpp.

**Referenced by ReadBin(), sUnicodeBin::ReadFromStream(), and SaveBin().gString\*  
sUnicodeSymbol::symbolName**

Definition at line 126 of file gstringext.h.

**Referenced by HasName(), ReadBin(), SaveBin(), and ~sUnicodeSymbol().char  
sUnicodeSymbol::symBufExt [static]**

Definition at line 12 of file gstringext.cpp.

**Referenced by ReadBin(), sUnicodeBin::ReadFromStream(), and SaveBin().char  
sUnicodeSymbol::thrLetterStyle[4]**

Definition at line 129 of file gstringext.h.

**Referenced by ReadBin(), SaveBin(), and sUnicodeSymbol().char  
sUnicodeSymbol::twoLetterCat[3]**

Definition at line 127 of file gstringext.h.

**Referenced by** `IsLetter()`, `IsLetterDowncase()`, `IsLetterUppcase()`, `IsValid()`, `ReadBin()`, `SaveBin()`, `SetCode()`, and `sUnicodeSymbol().t_gUniPage sUnicodeSymbol::ucCompat`

Definition at line 131 of file `gstringext.h`.

**Referenced by** `sUnicodeBin::GetLetterCompat()`, `ReadBin()`, and `SaveBin().t_gUniPage sUnicodeSymbol::ucDown`

Definition at line 137 of file `gstringext.h`.

**Referenced by** `ReadBin()`, and `SaveBin().t_gUniPage sUnicodeSymbol::ucUpper`

Definition at line 136 of file `gstringext.h`.

**Referenced by** `ReadBin()`, and `SaveBin().t_gUniPage sUnicodeSymbol::ucUpRngExt`

**Definition at line 138 of file** `gstringext.h.t_gUniPage sUnicodeSymbol::uniCode`

Definition at line 125 of file `gstringext.h`.

Referenced by `sUnicodeBin::IsFlatOk()`, `ReadBin()`, `SaveBin()`, and `SetCode()`.

---

The documentation for this struct was generated from the following files:

- `gstringext.h`
- `gstringext.cpp`

## xpfweb\_v2x lib File Documentation

### **garg.cpp File Reference**

```
garg.cppgarg.cpp#include <stdlib.h>
#include <string.h>
#include "garg.h"
#include "gstring.h"
```

## **garg.h File Reference**

```
garg.hgarg.h#include "glist.h"  
#include "gstring.h"  
#include "gcontrol.h"
```

### **Defines**

- `#define MAX_REAL_LVAL 2147483648.0`

### **Enumerations**

- `enum eParamConfig { e_ParamNotUsed, e_ParamUsedSingle, e_ParamUsedRepeat, e_ParamDashSimple, e_ParamNonPosix }`

---

### **Define Documentation**

**#define MAX\_REAL\_LVAL 2147483648.0**

Definition at line 8 of file garg.h.

Referenced by `gParamVal::GetFloat()`, `gParamVal::SetString()`, and `gParamVal::Show()`.

---

### **Enumeration Type Documentation**

**enum eParamConfig**

Enumeration values:

*e\_ParamNotUsed*  
*e\_ParamUsedSingle*  
*e\_ParamUsedRepeat*  
*e\_ParamDashSimple*  
*e\_ParamNonPosix*

**Definition at line 14 of file garg.h.**

## **garray.cpp File Reference**

```
garray.cppgarray.cpp#include "garray.h"  
#include <string.h>
```

## garray.h File Reference

```
garray.hgarray.h#include "gstring.h"
#include "gcontrol.h"
```

### Defines

- `#define GDEF_DIM 100`
- `#define GARRAY_LOGF stderr`
- `#define GARRAY_ANY_LOG(level, y)`

---

### Define Documentation

#### `#define GARRAY_ANY_LOG(level, y)`

```
Value: { \
    /* fprintf(GARRAY_LOGF, ":::%s:%u:%s\n", FILE, LINE, y); */ ; \
    if ( level!=LOG NONE ) gStorageControl::Self().Log( GARRAY_LOGF, level,
"%s:%u:%s\n", __FILE__, __LINE__, y ); \
}
```

Definition at line 10 of file garray.h.

Referenced by `gArray::AddColumn()`, `gArray::AddRow()`, `gArray::JoinArrayDown()`, `gArray::JoinArrayRight()`, `gArray::operator *()`, `gVector::operator *()`, `gArray::operator +()`, `gVector::operator +()`, `gArray::operator -()`, `gVector::operator -()`, and `gArray::operator []()`.  
`#define GARRAY_LOGF stderr`

Definition at line 9 of file garray.h.  
`#define GDEF_DIM 100`

Definition at line 7 of file garray.h.

## **gBHttp.cpp File Reference**

```
gBHttp.cppgBHttp.cpp#include <string.h>
#include "gBHttp.h"
#include "gstringext.h"
#include "garg.h"
```

## **gBHttp.h File Reference**

```
gBHttp.hgBHttp.h#include "ghttp.h"  
#include "gBNetHttpRequest.h"
```

## **gBHttpProxy.cpp File Reference**

gBHttpProxy.cppgBHttpProxy.cpp#include "gBHttpProxy.h"

## **gBHttpProxy.h File Reference**

```
gBHttpProxy.hgBHttpProxy.h#include "gnet.h"
```

## **gBNetHttpRequest.cpp File Reference**

gBNetHttpRequest.cppgBNetHttpRequest.cpp#include "gBNetHttpRequest.h"

## gBNetHttpRequest.h File Reference

gBNetHttpRequest.hgBNetHttpRequest.h#include "glist.h"

### Defines

- #define **DBGPRINT\_HIO**(args...) ;

---

### Define Documentation

**#define DBGPRINT\_HIO**(args...) ;

Definition at line 9 of file gBNetHttpRequest.h.

Referenced by `gXHttpCont::ReadReplyBin()`, `gXHttpCont::ReadReplyText()`, `gXHttpCont::ReadReplyUnsize()`, `gXHttpCont::thisGetHtmlContrl()`, and `gXHttpGeneric::WriteHead()`.

## **gBStreamEtc.cpp File Reference**

`gBStreamEtc.cpp`  
`gBStreamEtc.cpp`  
`#include "gBStreamEtc.h"`

## **gBStreamEtc.h File Reference**

```
gBStreamEtc.hgBStreamEtc.h#include "gstring.h"
```

## **gcalendar.cpp File Reference**

```
gcalendar.cppgcalendar.cpp#include <string.h>
#include "gcalendar.h"
```

## **gcalendar.h File Reference**

```
gcalendar.hgcalendar.h#include <time.h>
#include "gstorage.h"
```

## **gconfig.cpp File Reference**

```
gconfig.cppgconfig.cpp#include <string.h>
#include "gconfig.h"
```

## **gconfig.h File Reference**

```
gconfig.hgconfig.h#include "glist.h"  
#include "gfile.h"
```

### **Defines**

- `#define CONF_CHR_LINE_ERR 0x255`
- 

### **Define Documentation**

**#define CONF\_CHR\_LINE\_ERR 0x255**

Definition at line 7 of file gconfig.h.

## **gcontrol.cpp File Reference**

```
gcontrol.cppgcontrol.cpp#include <string.h>
#include <stdlib.h>
#include <stdarg.h>
#include "gcontrol.h"
```

## **gcontrol.h File Reference**

```
gcontrol.hgcontrol.h#include "glist.h"
```

## **gdir.cpp File Reference**

```
gdir.cppgdir.cpp#include <string.h>
#include <errno.h>
#include "gdir.h"
#include "gfilestat.h"
```

## gdir.h File Reference

```
gdir.hgdir.h#include <dirent.h>
#include "glist.h"
#include "gfile.h"
#include "gfilestat.h"
```

### Enumerations

- enum eFileSystemName { e\_FSysNoName, e\_FSysFile, e\_FSysDir }
- 

### Enumeration Type Documentation

#### enum eFileSystemName

Enumeration values:

*e\_FSysNoName*  
*e\_FSysFile*  
*e\_FSysDir*

Definition at line 9 of file gdir.h.

## **gdNetNames.cpp File Reference**

```
gdNetNames.cppgdNetNames.cpp#include "gdNetNames.h"
```

## **gdNetNames.h File Reference**

```
gdNetNames.hgdNetNames.h#include "ghttp.h"
```

## **gdNetStrings.cpp File Reference**

```
gdNetStrings.cppgdNetStrings.cpp#include <string.h>
#include "gdNetStrings.h"
#include "gstringext.h"
```

## **gdNetStrings.h File Reference**

```
gdNetStrings.hgdNetStrings.h#include "ghttp.h"
```

## gdSnarfCommon.cpp File Reference

```
gdSnarfCommon.cppgdSnarfCommon.cpp#include <string.h>
#include "gdSnarfCommon.h"
```

### Functions

- `int gglobal_EventTerminate (int v)`
- 

### Function Documentation

#### `int gglobal_EventTerminate (int v)`

Definition at line 91 of file gdSnarfCommon.cpp.

Referenced by `gFileControl::SignalHandler()`.

## gdSnarfCommon.h File Reference

```
gdSnarfCommon.hgdSnarfCommon.h#include "garg.h"
#include "gfile.h"
#include "gnet.h"
#include "gtime.h"
#include "gcalendar.h"
#include "gweb.h"
#include "ghttp.h"
#include "gstringext.h"
#include "gHtmlOpt.h"
```

### Classes

- struct **sOptProxy**

## **gdSnarfCont.cpp File Reference**

```
gdSnarfCont.cppgdSnarfCont.cpp#include "gdSnarfCont.h"  
#include "gHtmlCtrl.h"  
#include "gstringext.h"
```

## **gdSnarfCont.h File Reference**

```
gdSnarfCont.hgdSnarfCont.h#include "gHtmlParser.h"  
#include "gHtmlHAttr.h"
```

## **gdSnarfHttp.cpp File Reference**

```
gdSnarfHttp.cppgdSnarfHttp.cpp#include "gdSnarfHttp.h"
```

## **gdSnarfHttp.h File Reference**

```
gdSnarfHttp.hgdSnarfHttp.h#include "gdSnarfCommon.h"  
#include "gBHttp.h"
```

## **gdSnarfTidy.cpp File Reference**

```
gdSnarfTidy.cppgdSnarfTidy.cpp#include "gdSnarfTidy.h"  
#include "garg.h"
```

## **gdSnarfTidy.h File Reference**

```
gdSnarfTidy.hgdSnarfTidy.h#include "gweb.h"
```

## **gdSnarfTxt2Cont.cpp File Reference**

gdSnarfTxt2Cont.cppgdSnarfTxt2Cont.cpp#include "gdSnarfTxt2Cont.h"

## **gdSnarfTxt2Cont.h File Reference**

```
gdSnarfTxt2Cont.hgdSnarfTxt2Cont.h#include "gdSnarfCont.h"
```

## gfile.cpp File Reference

```
gfile.cpp
gfile.cpp#include <stdlib.h>
#include <errno.h>
#include <string.h>
#include "gmain.h"
#include "gfile.h"
#include "gfilestat.h"
#include "glist.h"
#include <time.h>
#include <signal.h>
```

### Functions

- void **MySignalHandler** (int signalId)

### Variables

- sSignalTrap **global\_signal\_traps** []

---

### Function Documentation

#### void **MySignalHandler** (int *signalId*)

Definition at line 40 of file gfile.cpp.

Referenced by gFileControl::thisInit().

---

### Variable Documentation

#### sSignalTrap **global\_signal\_traps** []

```
Initial value: {
    { GX_SIGHUP, 1, "HUP" },
    { GX_SIGINT, 1, "INT" },
    { GX_SIGQUIT, 0, "QUIT" },
    { GX_SIGTRAP, 0, "TRAP" },
    { GX_SIGKILL, 0, "KILL" },
    { GX_SIGPIPE, 1, "PIPE" },
    { GX_SIGALRM, 0, "ALRM" },
    { GX_SIGTERM, 1, "TERM" },
    { GX_SIGCHLD, 0, "CHLD" },
    { GX_SIGUSR1, 1, "USR1" },
    { GX_SIGUSR2, 0, "USR2" },
    { -1, -1 }
}
```

Definition at line 24 of file gfile.cpp.

## gfile.h File Reference

```
gfile.h
#include <stdio.h>
#include <unistd.h>
#include <sys/types.h>
#include "gstring.h"
#include "gcontrol.h"
```

### Defines

- `#define DEF_FIL_BUFSIZE (4*4096)`
- `#define FL_FILE_TO_READ 2`
- `#define FL_FILE_TO_WRITE 4`
- `#define FILENM_STRICT_LVL1 1`
- `#define FILENM_STRICT_LVL2 2`
- `#define FILENM_STRICT_LVL3 3`
- `#define FILENM_STRICT_LVL4 4`
- `#define FILENM_STRICT_LVL5 5`
- `#define FILENM_STRICT_LVL6 6`
- `#define FILENM_STRICT_LVL7 7`
- `#define FILENM_STRICT_LVL8 8`
- `#define FILENM_STRICT_LVL9 9`
- `#define GX_SIGHUP 1`
- `#define GX_SIGINT 2`
- `#define GX_SIGQUIT 3`
- `#define GX_SIGTRAP 5`
- `#define GX_SIGKILL 9`
- `#define GX_SIGUSR1 10`
- `#define GX_SIGSEGV 11`
- `#define GX_SIGUSR2 12`
- `#define GX_SIGPIPE 13`
- `#define GX_SIGALRM 14`
- `#define GX_SIGTERM 15`
- `#define GX_SIGCHLD 17`

### Functions

- `int gglobal_EventTerminate (int v)`

### Variables

- `sSignalTrap global_signal_traps []`

---

### Define Documentation

**#define DEF\_FIL\_BUFSIZE (4\*4096)**

**Definition at line 18 of file gfile.h.**`#define FILENM_STRICT_LVL1 1`

Definition at line 23 of file gfile.h.

**Referenced by gFileControl::thisInitCharOnFile().**`#define FILENM_STRICT_LVL2 2`

Definition at line 24 of file gfile.h.

**Referenced by gFileControl::thisInitCharOnFile().#define FILENM\_STRICT\_LVL3 3**

Definition at line 25 of file gfile.h.

**Referenced by gFileControl::thisInitCharOnFile().#define FILENM\_STRICT\_LVL4 4**

Definition at line 26 of file gfile.h.

**Referenced by gFileControl::thisInitCharOnFile().#define FILENM\_STRICT\_LVL5 5**

Definition at line 27 of file gfile.h.

**Referenced by gFileControl::thisInitCharOnFile().#define FILENM\_STRICT\_LVL6 6**

**Definition at line 28 of file gfile.h.#define FILENM\_STRICT\_LVL7 7**

Definition at line 29 of file gfile.h.

**Referenced by gFileControl::thisInitCharOnFile().#define FILENM\_STRICT\_LVL8 8**

Definition at line 30 of file gfile.h.

**Referenced by gFileControl::isOkStrict(), and gFileControl::thisInitCharOnFile().#define FILENM\_STRICT\_LVL9 9**

Definition at line 31 of file gfile.h.

**Referenced by gFileControl::thisInitCharOnFile().#define FL\_FILE\_TO\_READ 2**

Definition at line 20 of file gfile.h.

**Referenced by gFile::OpenDevice(), and gFile::OpenToRead().#define FL\_FILE\_TO\_WRITE 4**

Definition at line 21 of file gfile.h.

**Referenced by gFile::OpenDevice(), and gFile::Overwrite().#define GX\_SIGALRM 14**

Definition at line 42 of file gfile.h.

**Referenced by gFileControl::thisInit().#define GX\_SIGCHLD 17**

**Definition at line 44 of file gfile.h.#define GX\_SIGHUP 1**

Definition at line 33 of file gfile.h.

**Referenced by gFileControl::thisInit().#define GX\_SIGINT 2**

Definition at line 34 of file gfile.h.

**Referenced by gFileControl::thisInit().#define GX\_SIGKILL 9**

**Definition at line 37 of file gfile.h.#define GX\_SIGPIPE 13**

Definition at line 41 of file gfile.h.

**Referenced by gFileControl::thisInit().#define GX\_SIGQUIT 3**

Definition at line 35 of file gfile.h.

**Referenced by gFileControl::thisInit().#define GX\_SIGSEGV 11**

**Definition at line 39 of file gfile.h.#define GX\_SIGTERM 15**

Definition at line 43 of file gfile.h.

**Referenced by gFileControl::thisInit().#define GX\_SIGTRAP 5**

**Definition at line 36 of file gfile.h.#define GX\_SIGUSR1 10**

Definition at line 38 of file gfile.h.

**Referenced by gFileControl::thisInit().#define GX\_SIGUSR2 12**

Definition at line 40 of file gfile.h.

Referenced by gFileControl::thisInit().

---

## **Function Documentation**

**int gglobal\_EventTerminate (int v)**

Definition at line 91 of file gdSnarfCommon.cpp.

Referenced by gFileControl::SignalHandler().

---

## **Variable Documentation**

**sSignalTrap global\_signal\_traps[]**

**Definition at line 24 of file gfile.cpp.**

## **gfilestat.cpp File Reference**

```
gfilestat.cppgfilestat.cpp#include <errno.h>
#include <string.h>
#include "gfilestat.h"
```

## **gfilestat.h File Reference**

```
gfilestat.hgfilestat.h#include <stdio.h>
#include <unistd.h>
#include <sys/stat.h>
#include <sys/types.h>
#include "gstring.h"
```

### **Typedefs**

- `typedef t_uint16 t_fs_perm`
- 

### **Typedef Documentation**

**typedef t\_uint16 t\_fs\_perm**

**Definition at line 10 of file gfilestat.h.**

## **ghash.cpp File Reference**

```
ghash.cppghash.cpp#include <string.h>
#include "ghash.h"
```

## ghash.h File Reference

```
ghash.hghash.h#include "glist.h"  
#include "gcontrol.h"
```

### Defines

- `#define LST_HASH_SIZE 971`
  - `#define LST_HASH_SIZE_MIN 101`
- 

### Define Documentation

**#define LST\_HASH\_SIZE 971**

Definition at line 7 of file ghash.h.**#define LST\_HASH\_SIZE\_MIN 101**

Definition at line 11 of file ghash.h.

Referenced by `gHashGeneric::thisPreAllocate()`.

## **gHtmlAttr.cpp File Reference**

```
gHtmlAttr.cppgHtmlAttr.cpp#include "gHtmlAttr.h"  
#include "gstringext.h"
```

## **gHtmlAttr.h File Reference**

gHtmlAttr.hgHtmlAttr.h#include "garg.h"

## **gHtmlCtrl.cpp File Reference**

```
gHtmlCtrl.cppgHtmlCtrl.cpp#include "gHtmlCtrl.h"
```

## gHtmlCtrl.h File Reference

```
gHtmlCtrl.hgHtmlCtrl.h#include "gHtmlParser.h"
#include "gHtmlLog.h"
```

### Defines

- `#define DBGPRINT_WEB1(args...) ;`
- `#define DBGPRINT_WEB2(args...) ;`
- `#define DBGPRINT_WEB3(args...) ;`
- `#define DBGPRINT_WEBA1(args...) ;`
- `#define DBGPRINT_WEBA2(args...) ;`
- `#define HTML_LOG(args...) gHtmlCtrl::Self().hLog.Log(args)`

### Define Documentation

**#define DBGPRINT\_WEB1(args...) ;**

Definition at line 14 of file gHtmlCtrl.h.

**Referenced by gHSeq::thisBuild().#define DBGPRINT\_WEB2(args...) ;**

Definition at line 20 of file gHtmlCtrl.h.

**Referenced by gHSeq::thisBuild(), and gHOutOpt::thisConfig().#define DBGPRINT\_WEB3(args...) ;**

Definition at line 26 of file gHtmlCtrl.h.

**Referenced by gHTree::AppendCouplePtr(), gHSeq::thisCheck(), and gHtmlContent::UpCaseAttributes().#define DBGPRINT\_WEBA1(args...) ;**

Definition at line 32 of file gHtmlCtrl.h.

**Referenced by gHAttrs::BuildFromLRLists(), gHAttrs::Show(), and gdHCouple::Show().#define DBGPRINT\_WEBA2(args...) ;**

Definition at line 38 of file gHtmlCtrl.h.

**Referenced by gHATypeSimpleU32::GetInt32(), gHATypeSimple32::GetInt32(), gHATypeSimple::GetInt32(), and gHATypeEnum::gHATypeEnum().#define HTML\_LOG(args...) gHtmlCtrl::Self().hLog.Log(args)**

Definition at line 43 of file gHtmlCtrl.h.

**Referenced by gdSnarfCont::Add(), gHAttrs::BuildFromLRLists(), gdHCouple::CopyNormalizeAttr(), gHtmlContent::TagError(), and gHtmlParser::thisParse().**

## **gHtmlHAttr.cpp File Reference**

```
gHtmlHAttr.cppgHtmlHAttr.cpp#include "gHtmlHAttr.h"  
#include "gHtmlHATypes.h"  
#include "gHtmlCtrl.h"
```

## **gHtmlHAttr.h File Reference**

```
gHtmlHAttr.hgHtmlHAttr.h#include "glistext.h"  
#include "gcontrol.h"  
#include "gHtmlHATypes.h"
```

## **gHtmlHATypes.cpp File Reference**

```
gHtmlHATypes.cppgHtmlHATypes.cpp#include "gHtmlHATypes.h"  
#include "gHtmlCtrl.h"  
#include "gstringext.h"
```

## gHtmlHATypes.h File Reference

gHtmlHATypes.hgHtmlHATypes.h#include "glistext.h"

### Defines

- #define **e\_HAT\_Single** 0
- #define **HATYPE\_S32\_INVALID\_VAL** MAX\_DLINT32
- #define **HATYPE\_U32\_INVALID\_VAL** MAX\_DUINT32

### Enumerations

- enum **eHAttrType** { **e\_HAT\_None**, **e\_HAT\_CDATA**, **e\_HAT\_ID**, **e\_HAT\_IDREF**, **e\_HAT\_IDREFS**, **e\_HAT\_NAME**, **e\_HAT\_NUMBER**, **e\_HATp\_CAlign**, **e\_HATp\_Character**, **e\_HATp\_Charset**, **e\_HATp\_Charsets**, **e\_HATp\_Color**, **e\_HATp\_ContentType**, **e\_HATp\_ContentTypes**, **e\_HATp\_Coords**, **e\_HATp\_DateTime**, **e\_HATp\_FrameTarget**, **e\_HATp\_HtmlVersion**, **e\_HATp\_IAlign**, **e\_HATp\_InputType**, **e\_HATp\_LAlign**, **e\_HATp\_LanguageCode**, **e\_HATp\_Length**, **e\_HATp\_LinkTypes**, **e\_HATp\_LIStyle**, **e\_HATp\_MediaDesc**, **e\_HATp\_MultiLength**, **e\_HATp\_MultiLengths**, **e\_HATp\_OLStyle**, **e\_HATp\_Pixels**, **e\_HATp\_Scope**, **e\_HATp\_Script**, **e\_HATp\_Shape**, **e\_HATp\_StyleSheet**, **e\_HATp\_TAlign**, **e\_HATp\_Text**, **e\_HATp\_TFrame**, **e\_HATp\_TRules**, **e\_HATp\_ULStyle**, **e\_HATp\_URI**, **e\_HATp\_EnumChoice** = 254 }

### Define Documentation

**#define e\_HAT\_Single 0**

Definition at line 6 of file gHtmlHATypes.h.

**Referenced by** gHATypeLstVal::IsValue().#define HATYPE\_S32\_INVALID\_VAL  
MAX\_DLINT32

Definition at line 8 of file gHtmlHATypes.h.

**Referenced by** gHATypeLength::gHATypeLength(),  
gHATypeSimple32::gHATypeSimple32(), and gHATypeSimple32::IsOk().#define  
HATYPE\_U32\_INVALID\_VAL MAX\_DUINT32

Definition at line 9 of file gHtmlHATypes.h.

Referenced by gHATypeColor::gHATypeColor(), gHATypeSimpleU32::gHATypeSimpleU32(), and  
gHATypeSimpleU32::IsOk().

### Enumeration Type Documentation

**enum eHAttrType**

Enumeration values:

*e\_HAT\_None*  
*e\_HAT\_CDATA*  
*e\_HAT\_ID*  
*e\_HAT\_IDREF*  
*e\_HAT\_IDREFS*  
*e\_HAT\_NAME*  
*e\_HAT\_NUMBER*

*e\_HATp\_CAlign*  
*e\_HATp\_Character*  
*e\_HATp\_Charset*  
*e\_HATp\_Charsets*  
*e\_HATp\_Color*  
*e\_HATp\_ContentType*  
*e\_HATp\_ContentTypes*  
*e\_HATp\_Coords*  
*e\_HATp\_DateTime*  
*e\_HATp\_FrameTarget*  
*e\_HATp\_HtmlVersion*  
*e\_HATp\_IAlign*  
*e\_HATp\_InputType*  
*e\_HATp\_LAlign*  
*e\_HATp\_LanguageCode*  
*e\_HATp\_Length*  
*e\_HATp\_LinkTypes*  
*e\_HATp\_LIStyle*  
*e\_HATp\_MediaDesc*  
*e\_HATp\_MultiLength*  
*e\_HATp\_MultiLengths*  
*e\_HATp\_OLStyle*  
*e\_HATp\_Pixels*  
*e\_HATp\_Scope*  
*e\_HATp\_Script*  
*e\_HATp\_Shape*  
*e\_HATp\_StyleSheet*  
*e\_HATp\_TAlign*  
*e\_HATp\_Text*  
*e\_HATp\_TFrame*  
*e\_HATp\_TRules*  
*e\_HATp\_ULStyle*  
*e\_HATp\_URI*  
*e\_HATp\_EnumChoice*

**Definition at line 11 of file gHtmlHATypes.h.**

## **gHtmlLog.cpp File Reference**

```
gHtmlLog.cppgHtmlLog.cpp#include "gHtmlLog.h"
```

## **gHtmlLog.h File Reference**

```
gHtmlLog.hgHtmlLog.h#include "gcontrol.h"
```

## **gHtmlOpt.cpp File Reference**

```
gHtmlOpt.cppgHtmlOpt.cpp#include <string.h>
#include "gHtmlOpt.h"
#include "gHtmlCtrl.h"
#include "gstringext.h"
```

## gHtmlOpt.h File Reference

```
gHtmlOpt.hgHtmlOpt.h#include "glistext.h"
#include "gstring.h"
#include "gconfig.h"
```

### Enumerations

- enum eHState { e\_HS\_Start = 0, e\_HS\_StartAfter = 1, e\_HS\_Html = 2, e\_HS\_Head = 3, e\_HS\_HeadAfter = 4, e\_HS\_Body = 5, e\_HS\_BodyAfter = 6, e\_HS\_End = 7, e\_HS\_Last, e\_HS\_Sp\_FakeBody }

---

### Enumeration Type Documentation

#### enum eHState

##### Enumeration values:

*e\_HS\_Start*  
*e\_HS\_StartAfter*  
*e\_HS\_Html*  
*e\_HS\_Head*  
*e\_HS\_HeadAfter*  
*e\_HS\_Body*  
*e\_HS\_BodyAfter*  
*e\_HS\_End*  
*e\_HS\_Last*  
*e\_HS\_Sp\_FakeBody*

Definition at line 11 of file gHtmlOpt.h.

## **gHtmlParser.cpp File Reference**

```
gHtmlParser.cppgHtmlParser.cpp#include <string.h>
#include "gHtmlParser.h"
#include "gHtmlCtrl.h"
#include "gHtmlSeq.h"
#include "gstringext.h"
```

## gHtmlParser.h File Reference

```
gHtmlParser.hgHtmlParser.h#include "gweb.h"
#include "ghash.h"
#include "glistext.h"
#include "gstack.h"
#include "gHtmlOpt.h"
#include "gHtmlAttr.h"
#include "gHtmlHATypes.h"
#include "gdNetStrings.h"
```

### Defines

- #define XH\_NOTAG -9
- #define XH\_ENDTAG -11
- #define XH\_TBL\_TAG\_OPTEND 'O'
- #define XH\_TBL\_TAG\_OPTEND\_CFG 'o'
- #define XH\_SKIP\_TAG -1
- #define XH\_SKIP\_TAG\_FORCE -2
- #define XH\_SKIP\_ATTR -1
- #define XH\_IDTAG\_ANCHOR 0
- #define XH\_IDTAG\_BASE 7
- #define XH\_IDTAG\_BODY 12
- #define XH\_IDTAG\_FONTx 30
- #define XH\_IDTAG\_H1 34
- #define XH\_IDTAG\_HL 39
- #define XH\_IDTAG\_HEAD 40
- #define XH\_IDTAG\_HTML 42
- #define XH\_IDTAG\_IMG 45
- #define XH\_IDTAG\_TABLEx 78

### Enumerations

- enum eHtmlElementFamily { e\_HtmlElementPhrase = 1 }

### Define Documentation

#### #define XH\_ENDTAG -11

Definition at line 15 of file gHtmlParser.h.

Referenced by gHtmlCouple::IsTagEnd(), gHtmlContent::thisAddHtmlTag(), and gdHCouple::thisInitTag().#define XH\_IDTAG\_ANCHOR 0

Definition at line 24 of file gHtmlParser.h.

Referenced by gdHCouple::GetHRef(), and gHSeq::thisBuild().#define XH\_IDTAG\_BASE 7

Definition at line 25 of file gHtmlParser.h.

Referenced by gHParsed::PushTag(), and gHtmlParser::thisParse().#define XH\_IDTAG\_BODY 12

Definition at line 26 of file gHtmlParser.h.

**Referenced by gHParsed::PopTag(), gHParsed::PushTag(), and gHSeq::thisCheck().#define XH\_IDTAG\_FONTx 30**

Definition at line 27 of file gHtmlParser.h.

**Referenced by gHSeq::thisCheck().#define XH\_IDTAG\_H1 34**

**Definition at line 28 of file gHtmlParser.h.#define XH\_IDTAG\_HEAD 40**

Definition at line 30 of file gHtmlParser.h.

**Referenced by gHParsed::PopTag(), gHParsed::PushTag(), and gHtmlParser::thisParse().#define XH\_IDTAG\_HL 39**

**Definition at line 29 of file gHtmlParser.h.#define XH\_IDTAG\_HTML 42**

Definition at line 31 of file gHtmlParser.h.

**Referenced by gHParsed::PopTag(), and gHParsed::PushTag().#define XH\_IDTAG\_IMG 45**

**Definition at line 32 of file gHtmlParser.h.#define XH\_IDTAG\_TABLEx 78**

Definition at line 33 of file gHtmlParser.h.

**Referenced by gHSeq::thisCheck().#define XH\_NOTAG -9**

Definition at line 14 of file gHtmlParser.h.

**Referenced by gdSnarfCont::Add(), and gHtmlCouple::IsText().#define XH\_SKIP\_ATTR -1**

Definition at line 21 of file gHtmlParser.h.

**Referenced by gdHCouple::CopyNormalizeAttr().#define XH\_SKIP\_TAG -1**

Definition at line 18 of file gHtmlParser.h.

**Referenced by gHtmlCouple::AddTag(), gHtmlCouple::gHtmlCouple(), and gHtmlCouple::IsSkippedTag().#define XH\_SKIP\_TAG\_FORCE -2**

Definition at line 19 of file gHtmlParser.h.

**Referenced by gHtmlCouple::IsSkippedTag(), and gHtmlParser::thisParse().#define XH\_TBL\_TAG\_OPTEND 'O'**

Definition at line 16 of file gHtmlParser.h.

**Referenced by sHtmlElement::MayEndTag(), and gHtmlParser::SetOptions().#define XH\_TBL\_TAG\_OPTEND\_CFG 'o'**

Definition at line 17 of file gHtmlParser.h.

Referenced by sHtmlElement::MayEndTag(), and gHtmlParser::SetOptions().

---

## Enumeration Type Documentation

### enum eHtmlElementFamily

Enumeration values:

*e\_HtmlElementPhrase*

Definition at line 35 of file gHtmlParser.h.

## **gHtmlSelect.cpp File Reference**

```
gHtmlSelect.cppgHtmlSelect.cpp#include "gHtmlSelect.h"
```

## **gHtmlSelect.h File Reference**

`gHtmlSelect.h`  
`gHtmlSelect.h`  
`#include "gHtmlSeq.h"`

## **gHtmlSeq.cpp File Reference**

```
gHtmlSeq.cppgHtmlSeq.cpp#include "gHtmlSeq.h"  
#include "gHtmlCtrl.h"
```

## **gHtmlSeq.h File Reference**

```
gHtmlSeq.hgHtmlSeq.h#include "gHtmlOpt.h"  
#include "gHtmlParser.h"  
#include "ghttp.h"
```

## **ghttp.cpp File Reference**

```
ghttp.cppghttp.cpp#include <string.h>
#include "ghttp.h"
#include "gstringext.h"
#include "garg.h"
```

## ghhttp.h File Reference

```
ghhttp.h#ghhttp.h#include "gnet.h"
#include "gfile.h"
#include "gtime.h"
```

### Defines

- `#define MAX_HTTP_CHUNK_SIZE ((t_uint32)MAX_UINT16_U)`
  - `#define MAX_HTTP_HUGE_CHUNK_SIZE ((t_uint32)MAX_UINT16_U*2UL)`
- 

### Define Documentation

**#define MAX\_HTTP\_CHUNK\_SIZE ((t\_uint32)MAX\_UINT16\_U)**

Definition at line 8 of file ghhttp.h.

Referenced by `gXHttpReplyHeader::GetLength()`, `gXHttpCont::ReadReplyChunked()`, and `gBigBuffer::thisAllocateBuf()`.  
**#define MAX\_HTTP\_HUGE\_CHUNK\_SIZE ((t\_uint32)MAX\_UINT16\_U\*2UL)**

Definition at line 9 of file ghhttp.h.

Referenced by `gXHttpCont::ReadReplyChunked()`.

## **glist.cpp File Reference**

```
glist.cppglist.cpp#include <string.h>
#include "glist.h"
#include "gstring.h"
```

## glist.h File Reference

```
glist.hglist.h#include "gstorage.h"  
#include "gstring.h"
```

### Enumerations

- `enum eFindCriteria { e_FindExactPosition, e_FindFromPosition, e_FindBeforePosition }`
- 

### Enumeration Type Documentation

#### `enum eFindCriteria`

##### Enumeration values:

*e\_FindExactPosition*  
*e\_FindFromPosition*  
*e\_FindBeforePosition*

Definition at line 9 of file glist.h.

## **glistext.cpp File Reference**

```
glistext.cppglistext.cpp#include "glistext.h"  
#include "gstringext.h"  
#include "garg.h"
```

## **glistext.h File Reference**

```
glistext.hglistext.h#include "glist.h"
```

## gmain.h File Reference

```
gmain.hgmain.h#include <stdlib.h>
#include "gstdtypes.h"
```

### Defines

- `#define LIB_VERSION_GLIB_MAJOR 0`
- `#define LIB_VERSION_GLIB_MINOR 8`
- `#define GMIN_STAT_OBJ 5`
- `#define false 0`
- `#define true 1`
- `#define MAX_UINT_UL 4294967295UL`
- `#define gENDLITTLE2(x) ((x<<8) | (x>>8))`
- `#define gENDLITTLE4(x) ( (x<<24) | ((x&0xFF0000)>>8) | ((x&0xFF00)<<8) | ((x&0xFF000000)>>24) )`
- `#define TO_UD2(x) ((t_uint16)gENDLITTLE2(x))`
- `#define TO_UD4(x) ((t_uint32)gENDLITTLE4(x))`
- `#define FROM_UD2(x) TO_UD2(x)`
- `#define FROM_UD4(x) TO_UD4(x)`
- `#define MAX_INT16_I 32767`
- `#define MIN_INT16_I -32768`
- `#define MAX_UINT16_U 65535U`
- `#define MAX_DLINT32 2147483647L`
- `#define MIN_DLINT32 -2147483647L`
- `#define MAX_DUINT32 2147483646UL`
- `#define MAX_LONG_L 2147483648LL`
- `#define MIN_LONG_L -2147483648LL`
- `#define MAX_U4B_ULL 4294967295ULL`
- `#define MAX_STAMP_UL MAX_DUINT32`
- `#define gEND_CLEANUP_WSA`
- `#define gEND_STATEMENT gFileControl::Self().End( false )`
- `#define gFILE_S_IFIFO __S_IFIFO`
- `#define gEND gEND_STATEMENT;gEND_CLEANUP_WSA`
- `#define gINIT`
- `#define gMAX(a, b) ((a>b)?a:b)`
- `#define gMIN(a, b) ((a<b)?a:b)`
- `#define gRANGEX(v, a, b, x) ((v<a)?x:(v>b?x:v))`
- `#define gRANGE0(v, a, b) gRANGEX(v,a,b,0)`
- `#define ISyORn(x) (x ? 'Y' : 'N')`
- `#define gSLASHSTR "/"`
- `#define gSLASHCHR '/'`
- `#define DBGPRINT(args...) ;`
- `#define DBGPRINT_MIN(args...) ;`
- `#define DBGPRINT_MEA(args...) ;`
- `#define DBGPRINT_LOG(args...) ;`
- `#define ASSERTION_FALSE(y)`
- `#define ASSERTION(x, y)`
- `#define ASSERTION_USE(x, y) ASSERTION(x,y)`

### Typedefs

- `typedef unsigned char t_uchar`
- `typedef t_uchar t_uint8`
- `typedef char t_int8`
- `typedef unsigned short t_uint16`
- `typedef short t_int16`
- `typedef unsigned long long t_uint64`

- typedef t\_uint16 t\_gPort
- typedef t\_uint64 t\_inode
- typedef unsigned t\_uint32
- typedef int t\_int32
- typedef t\_uint32 t\_uint4B
- typedef t\_uint16 t\_uint2B
- typedef t\_uint32 t\_gTicElapsed
- typedef t\_uint32 t\_stamp

---

## Define Documentation

### #define ASSERTION(x, y)

```
Value:{ \
    if ( (x)==0 ) { \
        /* gStorageControl::Self().assertedNr = -2*/; \
        fprintf(stderr, "ASSERTION[v%d.%d]:%s:%u:%s\n", \
            LIB_VERSION_GLIB_MAJOR, LIB_VERSION_GLIB_MINOR, \
            FILE__, __LINE__, y); \
        exit(1); \
    } \
}
```

Definition at line 192 of file gmain.h.

Referenced by sCoordText::Add(), gStringGeneric::Add(), sServiceArray::Add(), gHash::Add(), gdSnarfCont::Add(), gParamElem::Add(), sCoordText::AddCoordToList(), gDir::AddDir(), gDir::AddFile(), gXHttpGeneric::AddHeadStr(), gArg::AddParams(), gHtmlCouple::AddTag(), gFileControl::AddTempFile(), gHtmlCouple::AddText(), gParamVal::AddToList(), gHashTriple::AddTriple(), sServiceArray::Allocate(), sServiceRegister::AllocateNodes(), sUnCodeBin::AllocateSymbols(), gHList::AppendCouple(), gHTree::AppendCouplePtr(), gHTree::AppendTreePtr(), gFileStream::Buffer(), gHSeq::Build(), gHAttrs::BuildFromLRLists(), sParamRaw::BuildParamVal(), gStrControl::Compare(), gHSelConf::Config(), gHOutOpt::Config(), gHSelConf::ConfigFromFile(), gHOutOpt::ConfigFromFile(), gXHttpGeneric::Connection(), gXHttpGeneric::ConnectionPtr(), gHtmlString::ConvertAmpToAscii(), gUniString::ConvertChrFromTo(), gHtmlString::ConvertHTToAscii(), sServiceNode::Copy(), sTidyArray::Copy(), gKey::Copy(), sAttrsTagNorm::CopyDefaultAttrNorms(), gList::CopyList(), gdHCouple::CopyNormalizeAttr(), gdTxtCouple::Couple(), gTimerTic::CpuTics(), gHParsed::CurrentCouple(), gString::Delete(), sServiceArray::Delete(), gListGeneric::Delete(), gDirStream::doCloseDir(), gDirStream::doOpenDir(), gdOptUnweb::DumpStream(), gListGeneric::ElementsKind(), gFileFetch::Fetch(), gHAttrList::Find(), sAttrRefer::FindAttr(), gHttpRequestList::FindHeadFullFirst(), gParamVal::FindObj(), gArg::FindOption(), gUnweb::FindStringKey(), gBigBuffer::Flush(), gArg::gArg(), gdSnarfCont::gdSnarfCont(), gdURI::gdURI(), gElem::gElem(), gHAttrs::GetAttr(), gHtmlParser::GetAttrDef(), gHAttrList::GetAttrParam(), gHAttrs::GetAttrPtr(), gHtmlParser::GetAttrRef(), gHAttrs::GetAttrValue(), gHttpGeneric::GetBaseBuffer(), gXHttpGeneric::GetBaseBuffer(), gXHttpGeneric::GetBuffer(), sCoordText::GetCoord(), gHNode::GetCouple(), gHList::GetCouple(), gHParsed::GetCouple(), gHtmlContent::GetCouple(), gStack::GetCurrent(), gBigBuffer::GetFile(), gHashGeneric::GetHash(), glpAddr::GetHostByName(), gHtmlContent::GetHtmlOpt(), gHTree::GetLastNode(), sUnCodeBin::GetLetterCompat(), gDirGeneric::GetName(), gParam::GetNewObjectFromFormat(), gBigBuffer::GetNode(), gListGeneric::GetObjectPtr(), gArg::GetOptionPtr(), sParamRaw::GetParamVal(), gKey::GetReal(), gdURI::GetRelativePathStr(), gTimer::GetSecondsFromTics(), gDir::GetStat(), gFileSysName::GetStat(), gKey::GetString(), gdHCouple::GetTagElement(), gHashTriple::GetTriple(), gHAType::GetType(), gKey::GetUInt64(), gHAttrValue::GetValue(), gFileFetch::gFileFetch(),

```

gFileSysName::gFileSysName(), gFileTemp::gFileTemp(), gHtmlParser::gHtmlParser(),
gListGeneric::gListGeneric(), gParam::gParam(), gStorageControl::gStorageControl(),
gString::gString(), gTop::gTop(), gUniString::gUniString(), gVector::gVector(),
gTcpConnect::Handle(), gSocket::Handle(), gStrControl::Init(), gHtmlCtrl::Init(),
sUnCodeBin::IsFlatOk(), sCoordText::IsOk(), gHtmlCouple::IsOk(), gHAttrs::IsOk(),
gFileControl::IsOkPathname(), gArray::JoinArrayDown(), gArray::JoinArrayRight(),
gControl::Log(), gKey::MatchStorage(), gHAttrList::N(), gDirName::Name(),
gFileControl::NanoSleep(), gBigBuffer::NewFile(), gHAttrs::NewType(),
gSocket::Open(), gString::operator=(), gVector::operator=(), gVector::operator[](),
sOptSnarf::OutStream(), gStack::Push(), gFile::Read(), gFile::ReadBuffer(),
sUnCodeBin::ReadFromStream(), sTcbBin::ReadFromStream(),
gXHttpCont::ReadReplyBin(), gXHttpCont::ReadReplyChunked(),
sServiceRegister::ReleaseData(), gFileControl::RemoveTemp(), gVector::Resize(),
gElem::RestoreGuts(), gFileTemp::Rewind(), sAttrRefer::sAttrRefer(),
sUnCodeSymbol::SaveBin(), gElem::SaveGuts(), gUniString::Set(),
gStringGeneric::Set(), gHAttrList::Set(), gKey::Set(), glpAddr::SetAddr(),
glpAddr::SetAddrFromStr(), glpV4Mask::SetBitsCIDR(), sUnCodeSymbol::SetCode(),
gSocket::SetConnection(), gHNode::SetCouplePtr(), gDirName::SetDirName(),
gControl::SetError(), gStorage::SetStoreMethod(), gTagCoord::SetZ(),
gStorage::Show(), gList::Show(), gHash::Show(),
gStorageControl::StorageKindName(), gStorage::StorageName(), gElem::Str(),
gHAttrList::Str(), gFileSysName::Str(), gHParsed::StrMust(),
gHtmlContent::thisAddCouple(), gHash::thisAddElem(),
gHtmlContent::thisAddHmtlLine(), gHtmlContent::thisAddHtmlTag(),
gArrayCollect::thisAddIntoList(), gArg::thisAddOneParam(), gDir::thisAddStatName(),
gDir::thisAddSystemName(), gHttpRequestList::thisAdjustColonStr(),
gDirGeneric::thisAllNamesOk(), gBigBuffer::thisAllocateBuf(),
gFileStream::thisAllocateBuffer(), gListGeneric::thisAppend(),
gHTree::thisAppendNode(), gHSeq::thisAppendTree(), gHSeq::thisBuild(),
gArg::thisBuildInternParam(), gHSeq::thisCheck(), gHOutOpt::thisConfig(),
gUnweb::thisConsolidateDataCoord(), gDateTime::thisConvertTo_libc_tm(),
gStringGeneric::thisCopy(), gUnweb::thisCutCommentsInTxt(),
gListGeneric::thisDelete(), gHashGeneric::thisDelete(), gURI::thisFetchScheme(),
gString::thisFind(), gString::thisFindBack(), gString::thisFindExcept(),
gString::thisFindFwd(), gArg::thisFindParamFromChr(), gArg::thisFindParamFromStr(),
gHSeq::thisFindRememberedBlock(), gHtmlParser::thisFindTag(), gArg::thisFlushAll(),
glpAddr::thisGetHostByAddr(), gXHttpCont::thisGetHtmlCtrl(),
gURI::thisGetSchemeFromString(), gListGeneric::thisIndex(), gdHCouple::thisInitTag(),
gdTxtCouple::thisInitTxtCouple(), gDirGeneric::thisNameOk(), gArray::thisNewDim(),
gFileTemp::thisOverwrite(), gHtmlParser::thisParse(), gConfig::thisParseLine(),
gURI::thisParseString(), gUnweb::thisPostProcess(), gStringGeneric::thisPreAllocate(),
gListGeneric::thisPreAllocate(), gHashGeneric::thisPreAllocate(),
gUnweb::thisPreProcess(), gConfig::thisProcess(), gArg::thisProcessParamElem(),
gHParsed::thisPush(), gConfig::thisRead(), gFileFetch::thisReadFile(),
gDir::thisScanDir(), glpAddr::thisSetIPfromHostEnt(), gParam::thisSplit(),
gFileStat::thisStatName(), gUnweb::thisStripReplace(), gUnweb::thisStrSetParse(),
gUniString::thisUniDelete(), gElem::ToString(), gHAttrs::TypeEnumToSmartL(),
gHAttrs::TypeName2HAttrType(), gFileStream::UBuffer(), sOptSnarf::UnwebOpt(),
gHtmlContent::UpCaseAttributes(), gFileStat::Update(), gHAttrList::ValidateValue(),
gUnweb::VerboseStream(), gNetConnect::Write(), gXHttpGeneric::WriteHead(), and
gTop::~gTop().#define ASSERTION_FALSE(y)

```

```

Value: { \
    /* gStorageControl::Self().assertedNr = -1*/; \
    fprintf(stderr, "ASSERTION[v%d.%d]:%s:%u:%s\n", \
        LIB_VERSION_GLIB_MAJOR, LIB_VERSION_GLIB_MINOR, \
        __FILE__, __LINE__, y); \
    exit(1); \
}

```

Definition at line 184 of file gmain.h.

Referenced by `gStrControl::ConvertToUInt32()`, `gKey::Copy()`,  
`gHttpGeneric::GetBuffer()`, `sUnCodeBin::GetDescStgChr()`, `glpAddr::GetHostByName()`,  
`glpV4Mask::glpV4Mask()`, `gKey::HashPos()`, `gStrControl::InitTab()`, `gKey::MatchKey()`,  
`gListGeneric::NewObject()`, `gElem::NewObject()`, `gHashGeneric::NewObject()`,  
`gKey::NewObject()`, `gControl::NewObject()`, `gParamElem::NewObject()`,  
`gHAttrs::NewType()`, `gSocket::Open()`, `gFile::OpenDevice()`,  
`gXHttpCont::ReadReplyText()`, `gFileTemp::Rewind()`, `gTcpConnect::thisConnect()`,  
`gArg::thisFlushAll()`, `glpAddr::thisGetHostByAddr()`, `glpAddr::thisGetHostByteOrder()`,  
`gKey::thisNewKind()`, `gFileTemp::thisOverwrite()`,  
`glpAddr::thisSetIPfromHostByteOrder()`, `gKey::ToString()`, and  
`gFileTemp::~~gFileTemp().#define ASSERTION_USE(x, y) ASSERTION(x,y)`

Definition at line 203 of file `gmain.h`.

Referenced by `gListGeneric::thisIndex().#define DBGPRINT(args...) ;`

Definition at line 159 of file `gmain.h`.

Referenced by `sFileStreamCtrl::DoRemove()`, `gFileControl::End()`,  
`gParamVal::FillParam()`, `gHttpRequestList::FindHeadFullFirst()`, `gArg::FlushParams()`,  
`gHSeq::GetURL()`, `gFileTemp::gFileTemp()`, `sUnCodeBin::HasHtml()`,  
`gXHttpGeneric::MiliSecSleep()`, `gFileControl::NanoSleep()`, `gNetConnect::Read()`,  
`sUnCodeBin::ReadFromStream()`, `gXHttpCont::ReadReplyChunked()`,  
`gFileTemp::Rewind()`, `sUnCodeBin::SaveToStream()`, `gFileControl::SecSleep()`,  
`gXHttpGeneric::SecSleep()`, `gHtmlParser::SetOptions()`, `gURL::SetString()`,  
`gHTree::Show()`, `gHtmlParser::ShowTree()`, `gHtmlContent::thisAddHtmlTag()`,  
`gFileStream::thisAllocateBuffer()`, `gHSeq::thisCheck()`, `gHOutOpt::thisConfig()`,  
`gArg::thisFlushAll()`, `gHOutOpt::thisHasTidy()`, `gHOutOpt::thisHasTidyAttr()`,  
`gHtmlParser::thisParse()`, `gXHttpGeneric::thisParseServerReply()`,  
`gURL::thisParseString()`, `gUnweb::thisPostProcess()`, `gdHttpURI::thisProcessHttpURI()`,  
`gHParsed::TrashLast()`, `gHtmlContent::UpCaseAttributes()`,  
`gXHttpGeneric::WriteHead()`, `gElem::~~gElem()`, and  
`sFileStreamCtrl::~~sFileStreamCtrl().#define DBGPRINT_LOG(args...) ;`

Definition at line 177 of file `gmain.h`.

Referenced by `gControl::Log().#define DBGPRINT_MEA(args...) ;`

Definition at line 171 of file `gmain.h.#define DBGPRINT_MIN(args...) ;`

Definition at line 165 of file `gmain.h`.

Referenced by gXHttpGeneric::AddHead(), gHtmlString::ConvertToHString(), gHAttrList::CopyAttr(), gDirStream::doOpenDir(), gHATypeColor::gHATypeColor(), gHATypeText::gHATypeText(), gHtmlCouple::gHtmlCouple(), gStrControl::gStrControl(), gTop::gTop(), gFileControl::IsSignaled(), gFileControl::MiliSecSleep(), gXHttpCont::ReadReplyChunked(), gHAttrList::Set(), gHInOpt::SetFromString(), gFileControl::SetSignaled(), gFileControl::SetSignaledByStr(), gHAttrs::Show(), gDateTime::thisConvertTo\_libc\_tm(), gDateTime::thisConvertToStamp(), gXHttpCont::thisGetHtmlContrl(), gTimerTic::thisGetTime(), gHOutOpt::thisHasTidy(), gStrControl::thisInit(), gHtmlParser::thisParse(), gDir::thisScanDir(), gFileStat::thisStatName(), gHAttrs::TypeName2HAttrType(), and gTop::~gTop().#define false 0

Definition at line 13 of file gmain.h.

Referenced by gHList::AppendCouple(), gHAttrs::BuildFromLRLists(), gdHttpSnarf::FileInOut(), gDir::gDir(), gdURL::GetDomainAndPathStr(), gFileStat::gFileStat(), gHAttrs::IsOk(), gdHCouple::IsOk(), gKey::MatchKey(), gXHttpCont::ReadReplyBin(), gXHttpCont::ReadReplyText(), sUnCodeBin::SaveToStream(), gHInOpt::SetFromString(), gHSeq::thisBuild(), gHtmlParser::thisParse(), gConfig::thisRead(), gXHttpCont::thisReadChunkSize(), and gFileTemp::~gFileTemp().#define FROM\_UD2(x) TO\_UD2(x)

Definition at line 57 of file gmain.h.

Referenced by sUnCodeSymbol::ReadBin(), and sUnCodeBin::ReadFromStream().#define FROM\_UD4(x) TO\_UD4(x)

Definition at line 58 of file gmain.h.

Referenced by sUnCodeSymbol::ReadBin(), sUnCodeBin::ReadFromStream(), and sTcbBin::ReadFromStream().#define gEND gEND\_STATEMENT;gEND\_CLEANUP\_WSA

Definition at line 98 of file gmain.h.#define gEND\_CLEANUP\_WSA

Definition at line 77 of file gmain.h.#define gEND\_STATEMENT gFileControl::Self().End( false )

Definition at line 83 of file gmain.h.#define gENDLITTLE2(x) ((x<<8) | (x>>8))

Definition at line 50 of file gmain.h.#define gENDLITTLE4(x) ( (x<<24) | ((x&0xFF0000)>>8) | ((x&0xFF00)<<8) | ((x&0xFF000000)>>24) )

Definition at line 51 of file gmain.h.#define gFILE\_S\_IFIFO \_\_S\_IFIFO

**Definition at line 92 of file gmain.h.#define gINIT**

```
Value:ASSERTION(gStorageControl::Self().StorageKindName(0)!=nil,"gINIT:error(2)");  
\n      gFileControl::Self().Init();
```

**Definition at line 103 of file gmain.h.#define gMAX(a, b) ((a>b)?a:b)**

**Definition at line 113 of file gmain.h.#define gMIN(a, b) ((a<b)?a:b)**

Definition at line 114 of file gmain.h.

**Referenced by gString::Delete(), gListGeneric::Delete(), and  
gUniString::thisUniDelete().#define GMIN\_STAT\_OBJ 5**

**Definition at line 10 of file gmain.h.#define gRANGE0(v, a, b) gRANGEX(v,a,b,0)**

Definition at line 117 of file gmain.h.

**Referenced by gDateTime::RestoreGuts().#define gRANGEX(v, a, b, x)  
((v<a)?x:(v>b?x:v))**

**Definition at line 116 of file gmain.h.#define gSLASHCHR '/'**

Definition at line 129 of file gmain.h.

**Referenced by gStrControl::GetFilenameCode(), gFileTemp::gFileTemp(),  
gStrControl::gStrControl(), gStrControl::Init(), gFileControl::IsOkPathname(),  
gFileControl::IsOkStrict(), gDirName::thisBuildDirStr(),  
gFileControl::thisGetUniqueName(), gArg::thisProgramName(), and  
gDir::thisScanDir().#define gSLASHSTR "/"**

Definition at line 128 of file gmain.h.

**Referenced by gFileControl::CtrlGetTempPath().#define ISyORn(x) (x ? 'Y' : 'N')**

Definition at line 120 of file gmain.h.

**Referenced by gXHttpCont::ReadReplyUnsize(), gdTxtCouple::Show(),  
gHSeq::thisCheck(), gArg::thisFlushAll(), gXHttpCont::thisGetHtmlContrl(),  
gHOutOpt::thisHasTidy(), gHtmlParser::thisParse(), and  
gHtmlContent::UpCaseAttributes().#define LIB\_VERSION\_GLIB\_MAJOR 0**

**Definition at line 4 of file gmain.h.#define LIB\_VERSION\_GLIB\_MINOR 8**

**Definition at line 5 of file gmain.h.#define MAX\_DLINT32 2147483647L**

Definition at line 64 of file gmain.h.

**Referenced by gInt::GetMaxInt().#define MAX\_DUINT32 2147483646UL**

Definition at line 66 of file gmain.h.

**Referenced by gHATypeSimpleU32::GetInt32(), and gUInt::GetMaxUInt().#define MAX\_INT16\_I 32767**

Definition at line 60 of file gmain.h.

**Referenced by gInt::GetMaxInt(), and gVersion::thisSetMajorOrMinor().#define MAX\_LONG\_L 2147483648LL**

Definition at line 68 of file gmain.h.

**Referenced by gStrControl::ConvertToInt32(), gParamVal::GetLong(), gKey::HashPos(), and gParamVal::SetString().#define MAX\_STAMP\_UL MAX\_DUINT32**

**Definition at line 72 of file gmain.h.#define MAX\_U4B\_ULL 4294967295ULL**

Definition at line 70 of file gmain.h.

**Referenced by gStrControl::ReturnAndAssignUInt32().#define MAX\_UINT16\_U 65535U**

Definition at line 62 of file gmain.h.

**Referenced by gUInt::GetMaxUInt(), gdHttpURI::ParseProxyStr(), and gHtmlString::thisFindSymbolISO().#define MAX\_UINT\_UL 4294967295UL**

**Definition at line 33 of file gmain.h.#define MIN\_DLINT32 -2147483647L**

Definition at line 65 of file gmain.h.

**Referenced by gInt::GetMinInt().#define MIN\_INT16\_I -32768**

**Definition at line 61 of file gmain.h.#define MIN\_LONG\_L -2147483648LL**

**Definition at line 69 of file gmain.h.#define TO\_UD2(x) ((t\_uint16)gENDLITTLE2(x))**

Definition at line 55 of file gmain.h.

**Referenced by sUnicodeSymbol::SaveBin(), and sUnicodeBin::SaveToStream().#define TO\_UD4(x) ((t\_uint32)gENDLITTLE4(x))**

Definition at line 56 of file gmain.h.

**Referenced by sUnCodeSymbol::SaveBin(), and sUnCodeBin::SaveToStream().#define true 1**

Definition at line 14 of file gmain.h.

Referenced by gHAttrList::Find(), gHSeq::thisBuild(), gHtmlParser::thisParse(), and gUnweb::thisPostProcess().

---

## **Typedef Documentation**

**typedef t\_uint16 t\_gPort**

**Definition at line 24 of file gmain.h.typedef t\_uint32 t\_gTicElapsed**

**Definition at line 41 of file gmain.h.typedef t\_uint64 t\_inode**

**Definition at line 26 of file gmain.h.typedef short t\_int16**

**Definition at line 20 of file gmain.h.typedef int t\_int32**

**Definition at line 32 of file gmain.h.typedef char t\_int8**

**Definition at line 18 of file gmain.h.typedef t\_uint32 t\_stamp**

**Definition at line 42 of file gmain.h.typedef unsigned char t\_uchar**

**Definition at line 16 of file gmain.h.typedef unsigned short t\_uint16**

**Definition at line 19 of file gmain.h.typedef t\_uint16 t\_uint2B**

**Definition at line 39 of file gmain.h.typedef unsigned t\_uint32**

**Definition at line 31 of file gmain.h.typedef t\_uint32 t\_uint4B**

**Definition at line 38 of file gmain.h.typedef unsigned long long t\_uint64**

**Definition at line 22 of file gmain.h. typedef t\_uchar t\_uint8**

**Definition at line 17 of file gmain.h.**

## **gmath.cpp File Reference**

```
gmath.cppgmath.cpp#include "gmath.h"  
#include <math.h>  
#include "gcalendar.h"
```

## **gmath.h File Reference**

```
gmath.hgmath.h#include "gstorage.h"
```

## **gnet.cpp File Reference**

```
gnet.cppgnet.cpp#include <string.h>
#include <unistd.h>
#include "gmain.h"
#include <sys/socket.h>
#include <netdb.h>
#include <arpa/inet.h>
#include <errno.h>
#include "gnet.h"
```

## **gnet.h File Reference**

```
gnet.hgnet.h#include "gstring.h"
#include "glist.h"
#include "gcontrol.h"
```

### **Defines**

- `#define STG_SVC_IDX_SOCKET 1`
- `#define STG_SVC_KND_SOCKET 128`

### **Typedefs**

- `typedef t_uint32 in_addr_t`
  - `typedef t_uint64 t_gIpAddr`
- 

### **Define Documentation**

#### **#define STG\_SVC\_IDX\_SOCKET 1**

Definition at line 16 of file gnet.h.

#### **Referenced by gSocket::gSocket().#define STG\_SVC\_KND\_SOCKET 128**

Definition at line 17 of file gnet.h.

Referenced by gSocket::gSocket().

---

### **Typedef Documentation**

#### **typedef t\_uint32 in\_addr\_t**

Definition at line 13 of file gnet.h.typedef t\_uint64 t\_gIpAddr

Definition at line 21 of file gnet.h.

## **gstack.cpp File Reference**

```
gstack.cppgstack.cpp#include "gstack.h"
```

## **gstack.h File Reference**

```
gstack.hgstack.h#include "glist.h"
```

## **gstdtypes.h File Reference**

### **gstdtypes.hgstdtypes.hDefines**

- `#define gUINT_IS_32bit`
- 

### **Define Documentation**

**#define gUINT\_IS\_32bit**

**Definition at line 4 of file gstdtypes.h.**

## **gstorage.cpp File Reference**

```
gstorage.cppgstorage.cpp#include <stdio.h>
#include <string.h>
#include "gstorage.h"
```

## gstorage.h File Reference

```
gstorage.hgstorage.h#include <stdio.h>
#include "gmain.h"
```

### Defines

- `#define nil 0`
  - `#define MAX_INTSTGKIND 1000`
  - `#define GENUCHAR_USU_BUFSIZE 4096`
  - `#define LOG_NONE -1`
  - `#define LOG_ERROR 0`
  - `#define LOG_WARNING 1`
  - `#define LOG_NOTICE 2`
  - `#define LOG_INFO 3`
  - `#define LOG_LOGMAX (LOG_INFO+1)`
  - `#define LOG_NOCLASS 99`
- 

### Define Documentation

**#define GENUCHAR\_USU\_BUFSIZE 4096**

Definition at line 12 of file gstorage.h.

**Referenced by gUCharBuffer::gUCharBuffer().#define LOG\_ERROR 0**

Definition at line 19 of file gstorage.h.

**Referenced by gArray::AddColumn(), gArray::AddRow(), gHAttrs::BuildFromLRLists(), gdHCouple::CopyNormalizeAttr(), gArray::JoinArrayDown(), gArray::JoinArrayRight(), gControl::Log(), gArray::operator \*(), gVector::operator \*(), gArray::operator +(), gVector::operator +(), gArray::operator -(), gVector::operator -(), gArray::operator [], gControl::ResetLog(), gHtmlContent::TagError(), and gHtmlParser::thisParse().#define LOG\_INFO 3**

**Definition at line 28 of file gstorage.h.#define LOG\_LOGMAX (LOG\_INFO+1)**

Definition at line 31 of file gstorage.h.

**Referenced by gControl::ClearLogMem(), gControl::gControl(), gControl::Log(), and gControl::ResetLog().#define LOG\_NOCLASS 99**

**Definition at line 34 of file gstorage.h.#define LOG\_NONE -1**

Definition at line 16 of file gstorage.h.

**Referenced by gControl::ClearLogMem(), gControl::ClearLogMemAll(), and gControl::Log().#define LOG\_NOTICE 2**

Definition at line 25 of file gstorage.h.

**Referenced by** gHAttr::BuildFromLRLists(), gdHCouple::CopyNormalizeAttr(), gControl::Log(), and gHtmlParser::thisParse().#define LOG\_WARNING 1

Definition at line 22 of file gstorage.h.

**Referenced by** gdSnarfCont::Add(), gControl::Log(), and gHtmlParser::thisParse().#define MAX\_INTSTGKIND 1000

Definition at line 8 of file gstorage.h.

**Referenced by** gTop::gTop(), and gTop::~gTop().#define nil 0

Definition at line 7 of file gstorage.h.

**Referenced by** sCoordText::Add(), gStringGeneric::Add(), sServiceArray::Add(), gHtmlContent::Add(), gHash::Add(), gdSnarfCont::Add(), gParamElem::Add(), sCoordText::AddCoordToList(), gDir::AddDir(), gDir::AddFile(), gSmartList::AddFromStr(), gXHttpGeneric::AddHeadStr(), gXHttpReplyHeader::AddLine(), gArg::AddParams(), gHtmlCouple::AddTag(), gFileControl::AddTempFile(), sCoordText::AddText(), gHtmlCouple::AddText(), gParamVal::AddToList(), gHashTriple::AddTriple(), sServiceArray::Allocate(), sServiceRegister::AllocateNodes(), sUnCodeBin::AllocateSymbols(), gHList::AppendCouple(), gHTree::AppendCouplePtr(), gListGeneric::AppendObject(), gHTree::AppendTreePtr(), gHtmlString::AsciiToString(), gHSeq::Build(), gHAttr::BuildFromLRLists(), sParamRaw::BuildParamVal(), gStrControl::Compare(), gHSelConf::Config(), gHOutOpt::Config(), gHSelConf::ConfigFromFile(), gHOutOpt::ConfigFromFile(), gXHttpGeneric::Connection(), gXHttpGeneric::ConnectionPtr(), gHtmlString::ConvertAmpToAscii(), gHTypeSimpleU32::ConvertHexStrToUInt32(), gHtmlString::ConvertHTToAscii(), gHtmlString::ConvertToHString(), gStrControl::ConvertToInt32(), gStrControl::ConvertToUInt32(), sTidyArray::Copy(), sAttrTagNorm::CopyDefaultAttrNorms(), gList::CopyList(), gdHCouple::CopyNormalizeAttr(), gdTxtCouple::Couple(), gHParsed::CurrentCouple(), sServiceArray::Delete(), sServiceNode::Delete(), gListGeneric::Delete(), sFileStreamCtrl::DoClose(), gDirStream::doCloseDir(), gdOptUnweb::DumpStream(), gdOptUnweb::DumpStreamWasOpened(), gListGeneric::ElementsKind(), gParamVal::FillParam(), gHAttrList::Find(), gHashTriple::Find(), gHParsed::FindCouple(), gParamVal::FindObj(), gUnweb::FindStringKey(), gBigBuffer::Flush(), gArg::gArg(), gDir::gDir(), gdSnarfCont::gdSnarfCont(), gdTxtCouple::gdTxtCouple(), gdURL::gdURL(), gElem::gElem(), gHAttr::GetAttr(), gHtmlParser::GetAttrDef(), gHAttrList::GetAttrParam(), gHAttr::GetAttrPtr(), gHtmlParser::GetAttrRef(), gHtmlParser::GetAttrType(), gHAttr::GetAttrValue(), gHttpGeneric::GetBaseBuffer(), gXHttpGeneric::GetBaseBuffer(), sHOutFormat::GetBeginLineStr(), gXHttpGeneric::GetBuffer(), sCoordText::GetCoord(), gHNode::GetCouple(), gHList::GetCouple(), gHParsed::GetCouple(), gHtmlContent::GetCouple(), gStack::GetCurrent(), gHtmlParser::GetDefaultAttrNorm(), gListGeneric::GetElementPtr(), gBigBuffer::GetFile(), gListGeneric::GetFirstObjectPtr(), gHashGeneric::GetHash(), gdHttpSnarf::GetHeaderLines(), gXHttpCont::GetHeadRefererStr(), gXHttpCont::GetHeadUserAgentStr(), glpAddr::GetHostByName(), gHtmlCouple::GetHRef(), gdHCouple::GetHRef(), gHtmlContent::GetHtmlOpt(), gHTree::GetLastNode(), gListGeneric::GetLastObjectPtr(), gDirGeneric::GetName(), gParam::GetNewObjectFromFormat(), gBigBuffer::GetNode(), gListGeneric::GetObjectPtr(), gdSnarfCont::GetOCouple(), sParamRaw::GetParamVal(), gKey::GetReal(), gConfig::GetSection(), gConfig::GetSectionFromName(),

```

gDir::GetStat(), gFileSysName::GetStat(), gHtmlCouple::GetStr(),
gdTxtCouple::GetStr(), gdHCouple::GetStr(), gHtmlCouple::GetStrForTree(),
gKey::GetString(), gHtmlParser::GetTagElement(), gdHCouple::GetTagElement(),
gKey::GetUInt64(), gHSeq::GetURL(), gHAttrValue::GetValue(), gFile::gFile(),
gFileSysName::gFileSysName(), gFileTemp::gFileTemp(), gHtmlCouple::gHtmlCouple(),
glpAddr::glpAddr(), gParam::gParam(), gStorageControl::gStorageControl(),
gString::gString(), gTagTree::gTagTree(), gUniString::gUniString(), gVector::gVector(),
sUnCodeSymbol::HasName(), sServiceRegister::HasNodes(), gFileSysName::HasStat(),
gHOutOpt::HasToSkip(), gStrControl::Init(), gHtmlCtrl::Init(), gSocket::IsConnected(),
gHTree::IsEmpty(), sUnCodeBin::IsFlatOk(), gTagTree::IsOk(), gHtmlCouple::IsOk(),
gHAttrs::IsOk(), gdTxtCouple::IsOk(), gArray::IsOk(), gVector::IsOk(),
gFileControl::IsOkPathname(), sFileStreamCtrl::IsOpened(), gHNode::IsTag(),
gControl::Log(), gList::Match(), gKey::MatchStorage(), gDirName::Name(),
gBigBuffer::NewFile(), gListGeneric::NewObject(), gElem::NewObject(),
gHashGeneric::NewObject(), gKey::NewObject(), gControl::NewObject(),
gParamElem::NewObject(), gHAttrs::NewType(), gSocket::Open(),
gFile::OpenToRead(), gString::operator=(), gVector::operator=(),
sOptSnarf::OutStream(), sOptSnarf::OutStreamWasOpened(), gFile::Overwrite(),
gdHttpURI::ParseProxyStr(), gStack::Push(), gFileStream::Read(), gFile::Read(),
sUnCodeSymbol::ReadBin(), gFile::ReadBuffer(), sUnCodeBin::ReadFromFile(),
sTcbBin::ReadFromFile(), sUnCodeBin::ReadFromStream(),
sTcbBin::ReadFromStream(), gXHttpCont::ReadReplyChunked(),
gXHttpCont::ReadReplyText(), sServiceArray::Release(), sTidyArray::Release(),
gFileControl::Release(), gArray::Release(), gVector::Release(),
sServiceRegister::ReleaseData(), sServiceRegister::ReleaseDescriptor(),
gHtmlParser::ReleaseHash(), gHtmlCtrl::ReleaseHash(), gFileControl::RemoveTemp(),
sCoordText::Report(), gHTree::Reset(), gTagTree::Reset(), sAttrsTagNorm::Reset(),
gHAttrList::Reset(), gKey::Reset(), gVector::Resize(), gElem::RestoreGuts(),
gDirGeneric::RestoreGuts(), gFileTemp::Rewind(), sAttrRefer::sAttrRefer(),
sUnCodeSymbol::SaveBin(), gUniString::SaveGuts(), gStringGeneric::SaveGuts(),
gElem::SaveGuts(), sUnCodeBin::SaveToFile(), gHSelect::Select(), gUniString::Set(),
gStringGeneric::Set(), gHAttrList::Set(), gKey::Set(), glpAddr::SetAddrFromStr(),
gSocket::SetConnection(), gHNode::SetCouplePtr(), gFileFetch::SetDeviceReport(),
gDirName::SetDirName(), gControl::SetError(), gFileFetch::SetFileReport(),
gHInOpt::SetFromString(), gHostAddr::SetHostName(), gHtmlContent::SetHtmlOpt(),
gXHttpGeneric::SetProtocolVersion(), gURI::SetString(), gParamVal::SetString(),
gUnweb::SetVerboseStream(), gList::Show(), gHOutOpt::Show(), gHash::Show(),
gdTxtCouple::Show(), sOptSnarf::ShowStats(), gHTree::ShowTree(),
sServiceRegister::sServiceRegister(), gStorageControl::StorageKindName(),
gListGeneric::Str(), gElem::Str(), gHtmlContent::Str(), gHAttrList::Str(),
gdSnarfCont::Str(), gFileSysName::Str(), gVector::Str(), gArray::StrFormat(),
gVector::StrFormat(), gHParsed::StrMust(), gUnweb::thisAddCmd(),
gHtmlContent::thisAddCouple(), gHtmlContent::thisAddHtmlTag(),
gArrayCollect::thisAddIntoList(), gArg::thisAddOneParam(), gDir::thisAddStatName(),
gDir::thisAddSystemName(), gUnweb::thisAddTxt(), gBigBuffer::thisAllocateBuf(),
gFileStream::thisAllocateBuffer(), gListGeneric::thisAppend(),
gHTree::thisAppendNode(), gHSeq::thisAppendNormal(), gHSeq::thisAppendTree(),
gHSeq::thisBuild(), gArg::thisBuildInternParam(), gHSeq::thisCheck(),
gHOutOpt::thisConfig(), gConfig::thisConfigDelete(), gConfig::thisConfigInit(),
gDateTime::thisConvertFromStamp(), gDateTime::thisConvertTo_libc_tm(),
gHtmlString::thisConvertToHStringIgnoreAmp(), gStringGeneric::thisCopy(),
gStringGeneric::thisDelete(), gListGeneric::thisDelete(), gHashGeneric::thisDelete(),
gURI::thisFetchScheme(), gString::thisFind(), gString::thisFindAny(),
gString::thisFindBack(), gString::thisFindFwd(), gArg::thisFindParamFromStr(),
gHSeq::thisFindRememberedBlock(), gHtmlString::thisFindSymbolISO(),
gHtmlParser::thisFindTag(), glpAddr::thisGetHostByAddr(),
gXHttpCont::thisGetHtmlCtrl(), gURI::thisGetSchemeFromString(),
gFileControl::thisGetUniqueName(), gHOutOpt::thisHasTidy(),
gHOutOpt::thisHasTidyAttr(), gListGeneric::thisIndex(), gdHCouple::thisInitTag(),
gdTxtCouple::thisInitTxtCouple(), gString::thisMatch(), gDirGeneric::thisNameOk(),

```

**gArray::thisNewDim(), gKey::thisNewKind(), gFileTemp::thisOverwrite(),  
 gHtmlParser::thisParse(), gConfig::thisParseLine(), gURI::thisParseString(),  
 gStringGeneric::thisPreAllocate(), gListGeneric::thisPreAllocate(),  
 gHashGeneric::thisPreAllocate(), gdHttpURI::thisProcessHttpURI(),  
 gHParsed::thisPush(), gConfig::thisRead(), gURI::thisSetDomainPath(),  
 gIpAddr::thisSetIpfromHostEnt(), gURI::thisSetPath(), gHTree::thisShowNode(),  
 gStringGeneric::thisSize(), gUnweb::thisStripReplace(),  
 gHtmlString::thisStrSymbolAmp(), gHtmlString::thisSymbolString(),  
 gIntCoord::ToString(), gStringGeneric::ToString(), gReal::ToString(), gUInt::ToString(),  
 gInt::ToString(), gUChar::ToString(), gTcpConnect::ToString(), gIpAddr::ToString(),  
 gListGeneric::ToString(), gElem::ToString(), gHashGeneric::ToString(),  
 gKey::ToString(), gDirGeneric::ToString(), gControl::ToString(), gDateTime::ToString(),  
 gHAttrs::TypeEnumToSmartL(), gHAttrs::TypeName2HAttrType(),  
 sOptSnarf::UnwebOpt(), gHtmlContent::UpCaseAttributes(),  
 gHAttrList::ValidateValue(), gUnweb::VerboseStream(), gNetConnect::Write(),  
 gBigBuffer::~gBigBuffer(), gdSnarfCont::~gdSnarfCont(), gElem::~gElem(),  
 gFileOut::~gFileOut(), gFileSysName::~gFileSysName(), gFileTemp::~gFileTemp(),  
 gHNode::~gHNode(), gHSeq::~gHSeq(), gSocket::~gSocket(), and  
 sServiceRegister::~sServiceRegister().**

## **gstring.cpp File Reference**

```
gstring.cppgstring.cpp#include <string.h>  
#include "gstring.h"
```

## **gstring.h File Reference**

```
gstring.h#include "gstorage.h"
```

## **gstringext.cpp File Reference**

```
gstringext.cppgstringext.cpp#include <string.h>
#include "gstringext.h"
#include "garg.h"
#include "gdir.h"
```

## gstringext.h File Reference

```
gstringext.hgstringext.h#include "gstring.h"
#include "glist.h"
#include "gdir.h"
```

### Defines

- `#define THB_MAJOR_VERSION '1'`
- `#define THB_MINOR_VERSION_APH 'A'`
- `#define THB_VERS_REVISION 0`
- `#define SYM_REFVERS_UNICODE 'D'`
- `#define EXTUMASK_ISALPHA 1`
- `#define EXTUMASK_ISDIGIT 2`
- `#define EXTUMASK_ISSPACE 4`
- `#define EXTUMASK_ISPRINT 8`

### Typedefs

- `typedef t_uint16 t_gPageCode`
- `typedef t_uint32 t_gUniPage`
- `typedef t_uint32 t_gCpCode`

### Enumerations

- `enum eDigitConv { e_DigConvLower, e_DigConvUpper, e_DigConvAny, e_DigConvAnyEmpty0 }`

---

### Define Documentation

**#define EXTUMASK\_ISALPHA 1**

**Definition at line 13 of file gstringext.h.#define EXTUMASK\_ISDIGIT 2**

Definition at line 14 of file gstringext.h.

**Referenced by sUnicodeSymbol::SetCode().#define EXTUMASK\_ISPRINT 8**

Definition at line 16 of file gstringext.h.

**Referenced by sUnicodeSymbol::SetCode().#define EXTUMASK\_ISSPACE 4**

Definition at line 15 of file gstringext.h.

**Referenced by sUnicodeSymbol::SetCode().#define SYM\_REFVERS\_UNICODE 'D'**

**Definition at line 11 of file gstringext.h.#define THB\_MAJOR\_VERSION '1'**

**Definition at line 8 of file gstringext.h.#define THB\_MINOR\_VERSION\_APH 'A'**

**Definition at line 9 of file gstringext.h. #define THB\_VERS\_REVISION 0**

Definition at line 10 of file gstringext.h.

---

### **Typedef Documentation**

**typedef t\_uint32 t\_gCpCode**

**Definition at line 21 of file gstringext.h. typedef t\_uint16 t\_gPageCode**

**Definition at line 19 of file gstringext.h. typedef t\_uint32 t\_gUniPage**

Definition at line 20 of file gstringext.h.

---

### **Enumeration Type Documentation**

**enum eDigitConv**

**Enumeration values:**

*e\_DigConvLower*  
*e\_DigConvUpper*  
*e\_DigConvAny*  
*e\_DigConvAnyEmpty0*

**Definition at line 23 of file gstringext.h.**

## **gtime.cpp File Reference**

```
gtime.cppgtime.cpp#include <time.h>
#include <sys/time.h>
#include <math.h>
#include "gtime.h"
```

## **gtime.h File Reference**

```
gtime.hgtime.h#include "gstorage.h"
```

## **gweb.cpp File Reference**

```
gweb.cppgweb.cpp#include <string.h>
#include "gweb.h"
#include "gstringext.h"
```

## gweb.h File Reference

```
gweb.hgweb.h#include "gconfig.h"
#include "gnet.h"
```

### Defines

- `#define cCHR_HTM_PARSED_DEFAULT 0x7F`
- `#define cCHR_HTM_INFO_DEFAULT 0xB7`
- `#define DBGPRINT_WEB(args...) ;`

---

### Define Documentation

**#define cCHR\_HTM\_INFO\_DEFAULT 0xB7**

**Definition at line 13 of file gweb.h.**  
**#define cCHR\_HTM\_PARSED\_DEFAULT 0x7F**

**Definition at line 11 of file gweb.h.**  
**#define DBGPRINT\_WEB(args...) ;**

Definition at line 18 of file gweb.h.

Referenced by `gHSeq::Build()`, `gUnweb::Dump()`, `gUnweb::thisConsolidateDataCoord()`, and `gUnweb::thisPostProcess()`.

# Index

- ~gArg
  - gArg, 6
- ~gArray
  - gArray, 11
- ~gArrayCollect
  - gArrayCollect, 15
- ~gBigBuffer
  - gBigBuffer, 18
- ~gConfig
  - gConfig, 21
- ~gControl
  - gControl, 28
- ~gDateDay
  - gDateDay, 32
- ~gDateTime
  - gDateTime, 35
- ~gDegreeCelsius
  - gDegreeCelsius, 39
- ~gDegreeFh
  - gDegreeFh, 40
- ~gdHCouple
  - gdHCouple, 42
- ~gdHttpSnarf
  - gdHttpSnarf, 44
- ~gdHttpURI
  - gdHttpURI, 48
- ~gDir
  - gDir, 51
- ~gDirGeneric
  - gDirGeneric, 54
- ~gDirName
  - gDirName, 57
- ~gDirStream
  - gDirStream, 58
- ~gdOptUnweb
  - gdOptUnweb, 60
- ~gdSnarfCont
  - gdSnarfCont, 62
- ~gdTxtCouple
  - gdTxtCouple, 64
- ~gdURI
  - gdURI, 67
- ~gElem
  - gElem, 69
- ~gFile
  - gFile, 72
- ~gFileControl
  - gFileControl, 76
- ~gFileFetch
  - gFileFetch, 82
- ~gFileName
  - gFileName, 85
- ~gFileOut
  - gFileOut, 87
- ~gFileStat
  - gFileStat, 89
- ~gFileStream
  - gFileStream, 93
- ~gFileSysName
  - gFileSysName, 95
- ~gFileTemp
  - gFileTemp, 99
- ~gFileText
  - gFileText, 100
- ~gHash
  - gHash, 102
- ~gHashElemGeneric
  - gHashElemGeneric, 105
- ~gHashElemTriple
  - gHashElemTriple, 107
- ~gHashGeneric
  - gHashGeneric, 109
- ~gHashTriple
  - gHashTriple, 112
- ~gHAttrList
  - gHAttrList, 115
- ~gHAttrs
  - gHAttrs, 118
- ~gHAttrValue
  - gHAttrValue, 121
- ~gHAType
  - gHAType, 124
- ~gHATypeCDATA
  - gHATypeCDATA, 127
- ~gHATypeCharsets
  - gHATypeCharsets, 128
- ~gHATypeColor
  - gHATypeColor, 129
- ~gHATypeContentTypes
  - gHATypeContentTypes, 130
- ~gHATypeEnum
  - gHATypeEnum, 131
- ~gHATypeFrameTarget
  - gHATypeFrameTarget, 132
- ~gHATypeGenLst
  - gHATypeGenLst, 134
- ~gHATypeGString
  - gHATypeGString, 136
- ~gHATypeID
  - gHATypeID, 137
- ~gHATypeIDREF
  - gHATypeIDREF, 138
- ~gHATypeIDREFS
  - gHATypeIDREFS, 139
- ~gHATypeLength
  - gHATypeLength, 140
- ~gHATypeLstStr
  - gHATypeLstStr, 142
- ~gHATypeLstVal
  - gHATypeLstVal, 143
- ~gHATypeMultiLengths
  - gHATypeMultiLengths, 145

|                          |                      |
|--------------------------|----------------------|
| ~gHATypeNAME             | ~gIntCoord           |
| gHATypeNAME, 146         | gIntCoord, 219       |
| ~gHATypeNUMBER           | ~gIntDegree          |
| gHATypeNUMBER, 147       | gIntDegree, 221      |
| ~gHATypePixels           | ~gIpAddr             |
| gHATypePixels, 148       | gIpAddr, 224         |
| ~gHATypeSimple           | ~gIpV4Mask           |
| gHATypeSimple, 149       | gIpV4Mask, 228       |
| ~gHATypeSimple32         | ~gKey                |
| gHATypeSimple32, 151     | gKey, 231            |
| ~gHATypeSimpleU32        | ~gList               |
| gHATypeSimpleU32, 153    | gList, 236           |
| ~gHATypeStringSingle     | ~gListGeneric        |
| gHATypeStringSingle, 155 | gListGeneric, 242    |
| ~gHATypeStyleSheet       | ~gListInt            |
| gHATypeStyleSheet, 157   | gListInt, 248        |
| ~gHATypeText             | ~gNetConnect         |
| gHATypeText, 158         | gNetConnect, 250     |
| ~gHATypeURI              | ~gParam              |
| gHATypeURI, 159          | gParam, 253          |
| ~gHInOpt                 | ~gParamElem          |
| gHInOpt, 160             | gParamElem, 255      |
| ~gHList                  | ~gParamVal           |
| gHList, 163              | gParamVal, 258       |
| ~gHNode                  | ~gRandom             |
| gHNode, 165              | gRandom, 261         |
| ~gHostAddr               | ~gReal               |
| gHostAddr, 167           | gReal, 263           |
| ~gHOutOpt                | ~gSmartList          |
| gHOutOpt, 170            | gSmartList, 265      |
| ~gHParsed                | ~gSocket             |
| gHParsed, 174            | gSocket, 268         |
| ~gHSelConf               | ~gStack              |
| gHSelConf, 177           | gStack, 270          |
| ~gHSelect                | ~gStorage            |
| gHSelect, 179            | gStorage, 274        |
| ~gHSeq                   | ~gStorageControl     |
| gHSeq, 182               | gStorageControl, 279 |
| ~gHtmlContent            | ~gStrControl         |
| gHtmlContent, 186        | gStrControl, 281     |
| ~gHtmlCouple             | ~gString             |
| gHtmlCouple, 189         | gString, 286         |
| ~gHtmlCtrl               | ~gStringGeneric      |
| gHtmlCtrl, 193           | gStringGeneric, 293  |
| ~gHtmlLog                | ~gSwitch             |
| gHtmlLog, 195            | gSwitch, 300         |
| ~gHtmlOpt                | ~gTagCoord           |
| gHtmlOpt, 196            | gTagCoord, 302       |
| ~gHtmlParser             | ~gTagTree            |
| gHtmlParser, 200         | gTagTree, 304        |
| ~gHtmlString             | ~gTcpConnect         |
| gHtmlString, 205         | gTcpConnect, 307     |
| ~gHTree                  | ~gTimer              |
| gHTree, 208              | gTimer, 310          |
| ~gHttpGeneric            | ~gTimerTic           |
| gHttpGeneric, 212        | gTimerTic, 311       |
| ~gHttpRequestList        | ~gTimeStamp          |
| gHttpRequestList, 213    | gTimeStamp, 314      |
| ~gInt                    | ~gTop                |
| gInt, 215                | gTop, 317            |

- ~gUChar
  - gUChar, 318
- ~gUCharBuffer
  - gUCharBuffer, 320
- ~gUInt
  - gUInt, 322
- ~gUnweb
  - gUnweb, 329
- ~gURI
  - gURI, 336
- ~gVector
  - gVector, 342
- ~gVersion
  - gVersion, 345
- ~gXHttpCont
  - gXHttpCont, 348
- ~gXHttpGeneric
  - gXHttpGeneric, 351
- ~gXHttpReplyHeader
  - gXHttpReplyHeader, 355
- ~sAttrRefer
  - sAttrRefer, 361
- ~sAttrTagNorm
  - sAttrTagNorm, 363
- ~sCoordText
  - sCoordText, 366
- ~sFileKind
  - sFileKind, 369
- ~sFileStreamCtrl
  - sFileStreamCtrl, 374
- ~sHOutFormat
  - sHOutFormat, 377
- ~sOptSnarf
  - sOptSnarf, 387
- ~sParamRaw
  - sParamRaw, 391
- ~sServiceArray
  - sServiceArray, 393
- ~sServiceNode
  - sServiceNode, 395
- ~sServiceRegister
  - sServiceRegister, 397
- ~sTcbBin
  - sTcbBin, 401
- ~sTidyArray
  - sTidyArray, 404
- ~sTidyElem
  - sTidyElem, 406
- ~sTidyFiles
  - sTidyFiles, 408
- ~sUnCodeBin
  - sUnCodeBin, 412
- ~sUnCodeSymbol
  - sUnCodeSymbol, 416
- Add
  - gdSnarfCont, 62
  - gHash, 103
  - gHtmlContent, 186
  - gHtmlCouple, 189
  - gList, 236
  - gParamElem, 255
  - gStringGeneric, 293, 294
  - gUniString, 325
  - sCoordText, 366, 367
  - sServiceArray, 393
- AddColumn
  - gArray, 11
- AddCoord
  - sCoordText, 367
- AddCoordToList
  - sCoordText, 367
- AddDir
  - gDir, 51
- AddEmptyColumn
  - gArray, 11
- AddEmptyRow
  - gArray, 11
- AddFile
  - gDir, 51
- AddFromList
  - gdSnarfCont, 63
  - gSmartList, 265
- AddFromStr
  - gdSnarfCont, 63
  - gSmartList, 265
- AddFromString
  - gdSnarfCont, 63
  - gSmartList, 266
- AddHead
  - gXHttpGeneric, 351
- AddHeadStr
  - gXHttpGeneric, 351
- AddIdTagOptEnd
  - gHtmlOpt, 196
- AddLine
  - gXHttpReplyHeader, 356
- AddMember
  - sParamRaw, 391
- AddParams
  - gArg, 6
- AddRow
  - gArray, 11
- AddString
  - gString, 287
- AddTag
  - gHtmlCouple, 189
- AddTempFile
  - gFileControl, 76
- AddText
  - gHtmlCouple, 189
  - sCoordText, 367
- AddToList
  - gParamVal, 258
- AddTriple
  - gHashTriple, 112, 113
- AddTriplePos\_dbg
  - gHash, 103
- AdjustBuffer
  - gFileFetch, 82
- aL

- gFileFetch, 83
- AllNamesOk
  - gDirGeneric, 54
- Allocate
  - sServiceArray, 393
- AllocateNodes
  - sServiceRegister, 397
- AllocateSymbols
  - sUnCodeBin, 412
- AllPermission
  - sFileStat, 371
- allStr
  - gParamVal, 259
- allTagNorm
  - sAttrsTagNorm, 363
- AnyAttr
  - sTidyElem, 406
- Append
  - gListInt, 248
- AppendCouple
  - gHList, 163
- AppendCouplePtr
  - gHTree, 209
- AppendObject
  - gListGeneric, 242
- AppendTreePtr
  - gHTree, 209
- AsciiToString
  - gHtmlString, 205
- assertedNr
  - gStorageControl, 280
- ASSERTION
  - gmain.h, 490
- ASSERTION\_FALSE
  - gmain.h, 491
- ASSERTION\_USE
  - gmain.h, 492
- aTidy
  - gHOutOpt, 171
- aTime
  - sFileStat, 372
- attrInfo
  - sAttrDef, 358
- attrL
  - gHtmlCouple, 190
- attrName
  - sAttrDef, 358
- attrs
  - gdHCouple, 43
- b1
  - gIpAddr, 226
- b2
  - gIpAddr, 226
- b3
  - gIpAddr, 226
- b4
  - gIpAddr, 226
- baseBuf
  - gBigBuffer, 19
- baseURI
  - gHSeq, 183
- bigTbl
  - sTcbBin, 401
- blocks
  - sFileStat, 372
- bNode
  - gBigBuffer, 19
- buffer
  - gFileStream, 94
- Buffer
  - gFileStream, 93
- BufferAutoAdjust
  - gFileFetch, 82
- BufferKind
  - gdHttpSnarf, 45
- bufferSize
  - gFileStream, 94
- BufferSize
  - gFileStream, 93
- Build
  - gHSeq, 182
- BuildFromLRLists
  - gHAttrs, 118
- BuildParamVal
  - sParamRaw, 391
- c
  - gInt, 216
  - gReal, 264
  - gUChar, 319
  - gUInt, 323
- CannotEndTag
  - sHtmlElement, 379
- CanRestore
  - gStorage, 274
- CanSave
  - gStorage, 275
- cCHR\_HTM\_INFO\_DEFAULT
  - gweb.h, 518
- cCHR\_HTM\_PARSED\_DEFAULT
  - gweb.h, 518
- cCompNote
  - sHtmlSymbol, 383
- cExtTbl
  - sUnCodeBin, 413
- cfgL
  - gConfig, 23
- charOnFileRelax
  - gFileControl, 79
- chrDeprecated
  - sAttrDef, 358
- cHtmAsciiStt
  - sUnCodeBin, 413
- cIndentLevel
  - sHOutFormat, 378
- cIsOpenClose
  - sUnCodeSymbol, 417
- Clear
  - gUCharBuffer, 320
- ClearAllLogs
  - gControl, 28

- ClearLogMem
  - gControl, 29
- ClearLogMemAll
  - gControl, 29
- cLevel
  - sTcbBin, 402
- cLinearInd
  - sTcbBin, 402
- Close
  - gFile, 72
  - gSocket, 268
  - gTcpConnect, 307
- cNormRef
  - sTcbBin, 402
- Compare
  - gStrControl, 282
- compl
  - sFileKind, 369
- CONF\_CHR\_LINE\_ERR
  - gconfig.h, 435
- Config
  - gHOutOpt, 170
  - gHSelConf, 177
- ConfigFromFile
  - gHOutOpt, 170
  - gHSelConf, 177
- confKind
  - gConfig, 23
- confL
  - gConfig, 23
- Connect
  - gTcpConnect, 307
- ConnectHost
  - gdHttpURI, 48
- ConnectHostStr
  - gdHttpURI, 48
- Connection
  - gXHttpGeneric, 351
- ConnectionPtr
  - gXHttpGeneric, 351
- conpL
  - gConfig, 23
- Consolidate
  - gHttpRequestList, 213
- contentBytesRead
  - gXHttpGeneric, 353
- ContentHost
  - gdHttpURI, 48
- ContentHostStr
  - gdHttpURI, 48
- Convert
  - gDegreeCelsius, 39
  - gDegreeFh, 40
  - gIntDegree, 222
- ConvertAmpToAscii
  - gHtmlString, 205
- ConvertBinToStr
  - gStrControl, 282
- ConvertChrFromTo
  - gUniString, 325
- ConvertHexStrToUInt32
  - gHATypeSimpleU32, 154
- ConvertHexToUInt32
  - gStrControl, 282
- ConvertHToAscii
  - gHtmlString, 205
- ConvertToCelsius
  - gDegreeFh, 40
- ConvertToFahrenheit
  - gDegreeCelsius, 39
- ConvertToHString
  - gHtmlString, 205
- ConvertToInt
  - gHInOpt, 161
- ConvertToInt32
  - gStrControl, 282
- ConvertToUInt32
  - gStrControl, 282
- coordComments
  - gUnweb, 332
- coordL
  - sCoordText, 368
- coordParseErr
  - gUnweb, 332
- coordSerial
  - gUnweb, 332
- Copy
  - gKey, 231
  - gString, 287
  - gUCharBuffer, 320
  - sFileStat, 371
  - sServiceNode, 395
  - sTidyArray, 404
  - sTidyElem, 406
  - sTimeSeconds, 409
- CopyAttr
  - gHAttrList, 115
- CopyDefaultAttrNorms
  - gHOutOpt, 170
  - sAttrsTagNorm, 363
- CopyDefaultAttrs
  - gHOutOpt, 170
- CopyFromTo
  - gString, 287
  - gUniString, 325
- CopyFromToStr
  - gString, 287
- CopyHOutFormat
  - sHOutFormat, 377
- CopyHOutOpt
  - gHOutOpt, 170
- CopyList
  - gList, 237
- CopyNormalizeAttr
  - gdHCouple, 42
- CopyOptions
  - gHtmlOpt, 197
- CopyParam
  - gParamVal, 258
- CopyRequest

- gHttpRequestList, 214
- CopyStat
  - gFileStat, 89
- CopyTag
  - gHtmlCouple, 189
- Couple
  - gdTxtCouple, 65
- coupleFakeBody
  - gHList, 164
- coupleId
  - gHtmlCouple, 191
- CouplePtr
  - gdTxtCouple, 65
- cpCode
  - sTcbBin, 402
- CpuTics
  - gTimerTic, 311
- cTime
  - sFileStat, 372
- ctrl
  - sAttrDef, 358
  - sHtmlElement, 379
- CtrlGetPid
  - gFileControl, 76
- CtrlGetTempPath
  - gFileControl, 76
- CtrlGetUserName
  - gFileControl, 76
- cUniLevel
  - sUnCodeBin, 413
- CurrentCouple
  - gHParsed, 174
- cVal
  - gParamVal, 259
- data
  - sServiceRegister, 398
- day
  - gDateTime, 37
- DaysOfMonth
  - gDateTime, 35
- dbgLevel
  - gControl, 30
- dbgLevelDefault
  - gControl, 30
- DBGPRINT
  - gmain.h, 492
- DBGPRINT\_HIO
  - gBNetHttpRequest.h, 429
- DBGPRINT\_LOG
  - gmain.h, 492
- DBGPRINT\_MEA
  - gmain.h, 492
- DBGPRINT\_MIN
  - gmain.h, 492
- DBGPRINT\_WEB
  - gweb.h, 518
- DBGPRINT\_WEB1
  - gHtmlCtrl.h, 465
- DBGPRINT\_WEB2
  - gHtmlCtrl.h, 465
- DBGPRINT\_WEB3
  - gHtmlCtrl.h, 465
- DBGPRINT\_WEB1
  - gHtmlCtrl.h, 465
- DBGPRINT\_WEB2
  - gHtmlCtrl.h, 465
- dd
  - gDateDay, 33
- DEF\_FIL\_BUFSIZE
  - gfile.h, 455
- defaultFmtDigits
  - gArray, 14
- Delete
  - gHashGeneric, 110
  - gListGeneric, 242
  - gString, 287
  - gUniString, 325
  - sCoordText, 367
  - sServiceArray, 393
  - sServiceNode, 395
- DeleteString
  - gList, 237
- DeleteStrings
  - gList, 237
- DeprecatedLevel
  - sHtmlElement, 379
- depth
  - gTagCoord, 303
- Depth
  - gHParsed, 174
- descriptor
  - sServiceRegister, 398
- descStg
  - sUnCodeBin, 413
- descStr
  - sStorageDesc, 400
- destAddr
  - gTcpConnect, 307
- destHostStr
  - gHostAddr, 168
- destPort
  - gTcpConnect, 307
- Device
  - gFile, 72
- dimX
  - gArray, 14
- DimX
  - gArray, 11
- dimY
  - gArray, 14
- DimY
  - gArray, 12
- dirCount
  - gDir, 51
- dirName
  - gDirStream, 59
- dirStr
  - gDirName, 57
- dirStream
  - gDir, 52

- dKind
  - gFile, 74
- doAutoTrim
  - gParam, 253
- DoBaseHRef
  - gHtmlOpt, 197
- DoClose
  - sFileStreamCtrl, 374
- doCloseDir
  - gDirStream, 58
- docType
  - gHtmlParser, 202
- doDosMode
  - sOptSnarf, 388
- doEndNewLine
  - gFileFetch, 83
- doError4NotFound
  - sOptSnarf, 388
- doFindBeforeInsert
  - gHash, 104
- doIgnoreAmp
  - gHtmlString, 206
- doIgnoreCase
  - gListGeneric, 246
- doOpenDir
  - gDirStream, 58
- DoPrint
  - gdHttpSnarf, 45
- DoRemove
  - sFileStreamCtrl, 374
- doResize
  - gFileFetch, 83
- doRevalidateSize
  - gStringGeneric, 298
- doShowProgress
  - gFileFetch, 83
- doShowStats
  - sOptSnarf, 389
- doTidyAll
  - sTidyArray, 404
- doTrim
  - gConfig, 23
- doUnweb
  - sOptSnarf, 389
- DoUseCaseCp
  - gStrControl, 282
- doView
  - sOptSnarf, 389
- DownString
  - gStringGeneric, 294
  - gUniString, 325
- dStat
  - gDirStream, 59
- Dump
  - gUnweb, 330
- DumpStream
  - gdOptUnweb, 60
- DumpStreamWasOpened
  - gdOptUnweb, 60
- e\_Absolute
  - gURI, 335
- e\_acap
  - gURI, 335
- e\_afs
  - gURI, 336
- e\_Binary
  - gFile, 72
  - gHttpGeneric, 211
- e\_CaseConvDown
  - gUnweb, 329
- e\_CaseConvUpper
  - gUnweb, 329
- e\_CaseUnchange
  - gUnweb, 329
- e\_cid
  - gURI, 335
- e\_ClassA
  - gIpV4Mask, 227
- e\_ClassB
  - gIpV4Mask, 227
- e\_ClassC
  - gIpV4Mask, 227
- e\_ClassD
  - gIpV4Mask, 227
- e\_ClassE
  - gIpV4Mask, 227
- e\_ConfLinear
  - gConfig, 21
- e\_ConfLinearFree
  - gConfig, 21
- e\_ConfSectionFree
  - gConfig, 21
- e\_ConfSectionStrict
  - gConfig, 21
- e\_Control
  - gStorage, 274
- e\_data
  - gURI, 335
- e\_dav
  - gURI, 335
- e\_Desc255Byte
  - sUnCodeBin, 411
- e\_Desc40Byte
  - sUnCodeBin, 411
- e\_Desc60ByteDef
  - sUnCodeBin, 411
- e\_Desc80Byte
  - sUnCodeBin, 411
- e\_DescNone
  - sUnCodeBin, 411
- e\_DigConvAny
  - gstringext.h, 514
- e\_DigConvAnyEmpty0
  - gstringext.h, 514
- e\_DigConvLower
  - gstringext.h, 514
- e\_DigConvUpper
  - gstringext.h, 514
- e\_fax
  - gURI, 336

|                      |                     |
|----------------------|---------------------|
| e_fDevOther          | e_HATp_ContentTypes |
| gFile, 72            | gHtmlHATypes.h, 470 |
| e_file               | e_HATp_Coords       |
| gURI, 335            | gHtmlHATypes.h, 470 |
| e_FindBeforePosition | e_HATp_DateTime     |
| glist.h, 486         | gHtmlHATypes.h, 470 |
| e_FindExactPosition  | e_HATp_EnumChoice   |
| glist.h, 486         | gHtmlHATypes.h, 470 |
| e_FindFromPosition   | e_HATp_FrameTarget  |
| glist.h, 486         | gHtmlHATypes.h, 470 |
| e_fStderr            | e_HATp_HtmlVersion  |
| gFile, 72            | gHtmlHATypes.h, 470 |
| e_fStdin             | e_HATp_IAlign       |
| gFile, 72            | gHtmlHATypes.h, 470 |
| e_fStdout            | e_HATp_InputType    |
| gFile, 72            | gHtmlHATypes.h, 470 |
| e_FSysDir            | e_HATp_LAlign       |
| gdir.h, 439          | gHtmlHATypes.h, 470 |
| e_FSysFile           | e_HATp_LanguageCode |
| gdir.h, 439          | gHtmlHATypes.h, 470 |
| e_FSysNoName         | e_HATp_Length       |
| gdir.h, 439          | gHtmlHATypes.h, 470 |
| e_ftp                | e_HATp_LinkTypes    |
| gURI, 335            | gHtmlHATypes.h, 470 |
| e_Get                | e_HATp_ListStyle    |
| gHttpGeneric, 212    | gHtmlHATypes.h, 470 |
| e_go                 | e_HATp_MediaDesc    |
| gURI, 336            | gHtmlHATypes.h, 470 |
| e_gopher             | e_HATp_MultiLength  |
| gURI, 335            | gHtmlHATypes.h, 470 |
| e_h323               | e_HATp_MultiLengths |
| gURI, 336            | gHtmlHATypes.h, 470 |
| e_HAT_CDATA          | e_HATp_OLStyle      |
| gHtmlHATypes.h, 469  | gHtmlHATypes.h, 470 |
| e_HAT_ID             | e_HATp_Pixels       |
| gHtmlHATypes.h, 469  | gHtmlHATypes.h, 470 |
| e_HAT_IDREF          | e_HATp_Scope        |
| gHtmlHATypes.h, 469  | gHtmlHATypes.h, 470 |
| e_HAT_IDREFS         | e_HATp_Script       |
| gHtmlHATypes.h, 469  | gHtmlHATypes.h, 470 |
| e_HAT_NAME           | e_HATp_Shape        |
| gHtmlHATypes.h, 469  | gHtmlHATypes.h, 470 |
| e_HAT_None           | e_HATp_StyleSheet   |
| gHtmlHATypes.h, 469  | gHtmlHATypes.h, 470 |
| e_HAT_NUMBER         | e_HATp_TAlign       |
| gHtmlHATypes.h, 469  | gHtmlHATypes.h, 470 |
| e_HAT_Single         | e_HATp_Text         |
| gHtmlHATypes.h, 469  | gHtmlHATypes.h, 470 |
| e_HATp_CAlign        | e_HATp_TFrame       |
| gHtmlHATypes.h, 470  | gHtmlHATypes.h, 470 |
| e_HATp_Character     | e_HATp_TRules       |
| gHtmlHATypes.h, 470  | gHtmlHATypes.h, 470 |
| e_HATp_Charset       | e_HATp_ULStyle      |
| gHtmlHATypes.h, 470  | gHtmlHATypes.h, 470 |
| e_HATp_Charsets      | e_HATp_URI          |
| gHtmlHATypes.h, 470  | gHtmlHATypes.h, 470 |
| e_HATp_Color         | e_HS_Body           |
| gHtmlHATypes.h, 470  | gHtmlOpt.h, 474     |
| e_HATp_ContentType   | e_HS_BodyAfter      |
| gHtmlHATypes.h, 470  | gHtmlOpt.h, 474     |

|                     |                   |
|---------------------|-------------------|
| e_HS_End            | e_mupdate         |
| gHtmlOpt.h, 474     | gURI, 336         |
| e_HS_Head           | e_NamePre         |
| gHtmlOpt.h, 474     | gFileTemp, 98     |
| e_HS_HeadAfter      | e_NameStd         |
| gHtmlOpt.h, 474     | gFileTemp, 98     |
| e_HS_Html           | e_news            |
| gHtmlOpt.h, 474     | gURI, 335         |
| e_HS_Last           | e_nfs             |
| gHtmlOpt.h, 474     | gURI, 335         |
| e_HS_Sp_FakeBody    | e_nntp            |
| gHtmlOpt.h, 474     | gURI, 335         |
| e_HS_Start          | e_NoClass         |
| gHtmlOpt.h, 474     | gIpV4Mask, 227    |
| e_HS_StartAfter     | e_NodesRAM        |
| gHtmlOpt.h, 474     | gBigBuffer, 18    |
| e_HtmlElementPhrase | e_none            |
| gHtmlParser.h, 478  | gIpV4Mask, 228    |
| e_http              | e_None            |
| gURI, 335           | gSocket, 267      |
| e_https             | e_Normal          |
| gURI, 336           | gParam, 252       |
| e_im                | e_NormalQuoted    |
| gURI, 336           | gParam, 252       |
| e_imap              | e_NormalRAM       |
| gURI, 335           | gBigBuffer, 17    |
| e_InFile            | e_NoStorage       |
| gBigBuffer, 18      | gStorage, 273     |
| e_Int               | e_NoType          |
| gKey, 231           | gURI, 335         |
| e_invalid           | e_Now             |
| gURI, 336           | gDateTime, 35     |
| e_ipp               | e_opaqueLockToken |
| gURI, 336           | gURI, 335         |
| e_ldap              | e_other           |
| gURI, 336           | gSocket, 267      |
| e_List              | e_P010            |
| gStorage, 274       | gIpV4Mask, 228    |
| e_LstDefault        | e_P172            |
| gListGeneric, 242   | gIpV4Mask, 228    |
| e_LstHash           | e_P192            |
| gListGeneric, 242   | gIpV4Mask, 228    |
| e_LstIdx0Unused     | e_ParamDashSimple |
| gListGeneric, 242   | garg.h, 421       |
| e_LstIdx1toN        | e_ParamNextArg    |
| gListGeneric, 242   | sParamRaw, 391    |
| e_LstIdx1toNstrict  | e_ParamNonPosix   |
| gListGeneric, 242   | garg.h, 421       |
| e_LstPointer        | e_ParamNotUsed    |
| gListGeneric, 242   | garg.h, 421       |
| e_mailserver        | e_ParamNoVal      |
| gURI, 336           | sParamRaw, 391    |
| e_mailto            | e_ParamThisArg    |
| gURI, 335           | sParamRaw, 391    |
| e_mid               | e_ParamUsedRepeat |
| gURI, 335           | garg.h, 421       |
| e_modem             | e_ParamUsedSingle |
| gURI, 336           | garg.h, 421       |
| e_mtpq              | e_pop             |
| gURI, 336           | gURI, 335         |

- e\_Post
  - gHttpGeneric, 212
- e\_PrecTic
  - gTimer, 309
- e\_pres
  - gURI, 336
- e\_prospiero
  - gURI, 335
- e\_Real
  - gKey, 231
  - gStorage, 274
- e\_Relative
  - gURI, 335
- e\_RelativeQualified
  - gURI, 335
- e\_ResvdStore
  - gStorage, 273
- e\_ResvdStore12
  - gStorage, 274
- e\_ResvdStore13
  - gStorage, 274
- e\_ResvdStore14
  - gStorage, 274
- e\_ResvdStore15
  - gStorage, 274
- e\_ResvdStore16
  - gStorage, 274
- e\_ResvdStore17
  - gStorage, 274
- e\_ResvdStore18
  - gStorage, 274
- e\_ResvdStore19
  - gStorage, 274
- e\_ResvdStore22
  - gStorage, 274
- e\_ResvdStore23
  - gStorage, 274
- e\_ResvdStore24
  - gStorage, 274
- e\_ResvdStore25
  - gStorage, 274
- e\_ResvdStore26
  - gStorage, 274
- e\_ResvdStore27
  - gStorage, 274
- e\_ResvdStore28
  - gStorage, 274
- e\_ResvdStore29
  - gStorage, 274
- e\_ResvdStore30
  - gStorage, 274
- e\_ResvdStore8
  - gStorage, 273
- e\_ResvdStore9
  - gStorage, 273
- e\_RSVD\_reserved
  - gURI, 336
- e\_rtsp
  - gURI, 335
- e\_SChar
  - gStorage, 273
- e\_service
  - gURI, 335
- e\_ShowAll
  - gUnweb, 329
- e\_ShowNonscript
  - gUnweb, 329
- e\_ShowScript
  - gUnweb, 329
- e\_SInt
  - gStorage, 273
- e\_sip
  - gURI, 336
- e\_sips
  - gURI, 336
- e\_SLongInt
  - gStorage, 273
- e\_soap\_beep
  - gURI, 336
- e\_soap\_beeps
  - gURI, 336
- e\_StgDefault
  - gStorage, 274
- e\_StgFlat
  - gStorage, 274
- e\_StgGlobalFlat
  - gStorage, 274
- e\_StgGlobalString
  - gStorage, 274
- e\_StgNoStore
  - gStorage, 274
- e\_StgString
  - gStorage, 274
- e\_StopSplitOnFirst
  - gParam, 252
- e\_StoreExtend
  - gStorage, 274
- e\_StrAlloc
  - gStringGeneric, 293
- e\_StrDefault
  - gStringGeneric, 293
- e\_String
  - gKey, 231
  - gStorage, 274
- e\_StrPreAlloc
  - gStringGeneric, 293
- e\_StrUnicode
  - gStorage, 274
- e\_TCP
  - gSocket, 267
- e\_tel
  - gURI, 336
- e\_telnet
  - gURI, 335
- e\_Text
  - gFile, 72
- e\_TextPlain
  - gHttpGeneric, 211
- e\_tftp
  - gURI, 336

|                     |                     |
|---------------------|---------------------|
| e_tip               | eKeyKind            |
| gURI, 335           | gKey, 231           |
| e_tn3270            | eKindTime           |
| gURI, 336           | gDateTime, 35       |
| e_UChar             | ElementsKind        |
| gStorage, 273       | gListGeneric, 242   |
| e_UDP               | elemInfo            |
| gSocket, 267        | sHtmlElement, 380   |
| e_UInt              | elemName            |
| gStorage, 273       | sHtmlElement, 380   |
| e_UInt64            | eListIndexes        |
| gKey, 231           | gListGeneric, 241   |
| e_ULongInt          | eListStrategy       |
| gStorage, 273       | gListGeneric, 242   |
| e_UnusedStore       | End                 |
| gStorage, 274       | gFileControl, 76    |
| e_URI_NormalSwift   | EndGuts             |
| gdURI, 66           | gStorage, 275       |
| e_URI_Swift         | EndPtr              |
| gdURI, 66           | gListGeneric, 242   |
| e_urn               | env                 |
| gURI, 336           | gArg, 9             |
| e_vemmi             | eParamConfig        |
| gURI, 335           | garg.h, 421         |
| e_wais              | eParamCriteria      |
| gURI, 335           | gParam, 252         |
| e_z39_50r           | eParamFollow        |
| gURI, 335           | sParamRaw, 391      |
| e_z39_50s           | ePathType           |
| gURI, 335           | gURI, 335           |
| eBufferKind         | ePrivateAddrSpace   |
| gBigBuffer, 17      | gIPv4Mask, 228      |
| eClass              | Error               |
| gIPv4Mask, 227      | gFileStat, 89       |
| eConfKind           | errorCode           |
| gConfig, 21         | gParamVal, 259      |
| eContentImport      | errors              |
| gHttpGeneric, 211   | gArg, 9             |
| eContentMethod      | ErrorStr            |
| gHttpGeneric, 212   | gFile, 72           |
| eDescStg            | gFileControl, 76    |
| sUnCodeBin, 411     | errUnstatL          |
| eDeviceKind         | gDir, 52            |
| gFile, 72           | eScheme             |
| eDigitConv          | gURI, 335           |
| gstringext.h, 514   | eSocketKind         |
| eDumpMask           | gSocket, 267        |
| gUnweb, 329         | eStorage            |
| eFileKind           | gStorage, 273       |
| gFile, 72           | eStoreMethod        |
| eFileName           | gStorage, 274       |
| gdir.h, 439         | eStrStrategy        |
| eFindCriteria       | gStringGeneric, 293 |
| glist.h, 486        | eSwift              |
| eHAttrType          | gdURI, 66           |
| gHtmlHATypes.h, 469 | eTagCaseChange      |
| eHState             | gUnweb, 329         |
| gHtmlOpt.h, 474     | eTempMethod         |
| eHtmlElementFamily  | gFileTemp, 98       |
| gHtmlParser.h, 478  | eTimerPrec          |

- gTimer, 309
- exitCodeOnSignal
  - gFileControl, 79
- extEqClose
  - sUnCodeSymbol, 417
- EXTUMASK\_ISALPHA
  - gstringext.h, 513
- EXTUMASK\_ISDIGIT
  - gstringext.h, 513
- EXTUMASK\_ISPRINT
  - gstringext.h, 513
- EXTUMASK\_ISSPACE
  - gstringext.h, 513
- extUtMask
  - sUnCodeSymbol, 417
- f
  - gFile, 74
  - gFileOut, 88
  - sFileStreamCtrl, 375
- false
  - gmain.h, 493
- family
  - sHtmlElement, 380
- fDump
  - gdOptUnweb, 61
- Fetch
  - gFileFetch, 82
- fHandle
  - gFileTemp, 99
- FileInOut
  - gdHttpSnarf, 45
- FileKind
  - gFile, 72
- FILENM\_STRICT\_LVL1
  - gfile.h, 455
- FILENM\_STRICT\_LVL2
  - gfile.h, 455
- FILENM\_STRICT\_LVL3
  - gfile.h, 456
- FILENM\_STRICT\_LVL4
  - gfile.h, 456
- FILENM\_STRICT\_LVL5
  - gfile.h, 456
- FILENM\_STRICT\_LVL6
  - gfile.h, 456
- FILENM\_STRICT\_LVL7
  - gfile.h, 456
- FILENM\_STRICT\_LVL8
  - gfile.h, 456
- FILENM\_STRICT\_LVL9
  - gfile.h, 456
- FillParam
  - gParamVal, 258
- Find
  - gHashTriple, 113
  - gHAttrList, 115
  - gList, 237
  - gParam, 253
  - gStrControl, 282, 283
  - gString, 287, 288

- FindAny
  - gList, 237
- FindAnyChr
  - gString, 288
- FindAttr
  - sAttrRefer, 361
- FindBack
  - gString, 288
- FindCode
  - sUnCodeBin, 412
- FindCoordX
  - sCoordText, 367
- FindCouple
  - gHParsed, 174
- FindExcept
  - gString, 289
- FindFirst
  - gList, 237
- FindFreeNode
  - sServiceArray, 393
- FindHeadFirst
  - gHttpRequestList, 214
- FindHeadFullFirst
  - gHttpRequestList, 214
- FindInt
  - gListInt, 248
- FindKey
  - gHash, 103
  - gHashGeneric, 110
  - gHashTriple, 113
- FindMainChar
  - gParamVal, 258
- FindObj
  - gParamVal, 258
- FindOption
  - gArg, 6, 7
- FindOptionOccurr
  - gArg, 7
- FindStringKey
  - gUnweb, 330
- FindTag
  - gHtmlParser, 200
- FindTagIdx
  - gdHCouple, 42
  - gHtmlParser, 200
- firstHtmlErrLNr
  - gUnweb, 333
- firstHtmlError
  - gUnweb, 333
- fKind
  - gFile, 74
- FL\_FILE\_TO\_READ
  - gfile.h, 456
- FL\_FILE\_TO\_WRITE
  - gfile.h, 456
- Flush
  - gBigBuffer, 18
- FlushParams
  - gArg, 7
- fMode

- gFile, 74
- fOut
  - gHSelect, 179
  - sOptSnarf, 389
- fOutAll
  - gHtmlParser, 202
- fRepErr
  - gHOutOpt, 171
  - gHSelConf, 178
  - gHSelect, 179
  - gHSeq, 183
  - gHtmlLog, 195
  - gXHttpGeneric, 353
- fReport
  - gFileControl, 79
  - gStrControl, 284
- FROM\_UD2
  - gmain.h, 493
- FROM\_UD4
  - gmain.h, 493
- fsysName
  - gFileSysName, 96
- fTemp
  - gBigBuffer, 19
  - gdOptUnweb, 61
- fVRepErr
  - gFileFetch, 83
- Garbage
  - gArrayCollect, 15
- GarbleSeed
  - gRandom, 261
- gArg, 5
  - ~gArg, 6
  - AddParams, 6
  - env, 9
  - errors, 9
  - FindOption, 6, 7
  - FindOptionOccurr, 7
  - FlushParams, 7
  - gArg, 6
  - GetOptionPtr, 7
  - internParams, 9
  - keepPos, 9
  - NoArg, 7
  - nParamDashWordSimple, 9
  - NumberParams, 7
  - opt, 9
  - param, 9
  - prog, 9
  - Program, 7
  - RestoreGuts, 7
  - SaveGuts, 7
  - Show, 7
  - thisAddOneParam, 7
  - thisBuildInternParam, 8
  - thisFillParamFromChr, 8
  - thisFillParamFromStr, 8
  - thisFindParamFromChr, 8
  - thisFindParamFromStr, 8
  - thisFlushAll, 8
  - thisProcessParamElem, 8
  - thisProgramName, 8
  - ToString, 8
- garg.cpp, 420
- garg.h, 421
  - e\_ParamDashSimple, 421
  - e\_ParamNonPosix, 421
  - e\_ParamNotUsed, 421
  - e\_ParamUsedRepeat, 421
  - e\_ParamUsedSingle, 421
  - eParamConfig, 421
  - MAX\_REAL\_LVAL, 421
- gArray, 10
  - ~gArray, 11
  - AddColumn, 11
  - AddEmptyColumn, 11
  - AddEmptyRow, 11
  - AddRow, 11
  - defaultFmtDigits, 14
  - dimX, 14
  - DimX, 11
  - dimY, 14
  - DimY, 12
  - gArray, 11
  - GetNumInt, 12
  - IsOk, 12
  - JoinArrayDown, 12
  - JoinArrayRight, 12
  - operator-, 12
  - operator \*, 12
  - operator!=, 12
  - operator[], 13
  - operator|, 13
  - operator+, 12
  - operator=, 12
  - operator==, 12
  - pV, 14
  - Release, 13
  - Reset, 13
  - Resize, 13
  - sArray, 14
  - Set, 13
  - Str, 13
  - StrFormat, 13
  - thisCopyArray, 13
  - thisFmtOptions, 13
  - thisNewDim, 13
  - Transpose, 14
  - TransposeMe, 14
  - Zero, 14
- garray.cpp, 422
- garray.h, 423
  - GARRAY\_ANY\_LOG, 423
  - GARRAY\_LOGF, 423
  - GDEF\_DIM, 423
- GARRAY\_ANY\_LOG
  - garray.h, 423
- GARRAY\_LOGF
  - garray.h, 423
- gArrayCollect, 15

- ~gArrayCollect, 15
- Garbage, 15
- gArrayCollect, 15
- GetFirstObjectPtr, 15
- GetLastObjectPtr, 15
- GetObjectPtr, 15
- NumObjs, 15
- ReleaseAll, 16
- Self, 16
- thisAddIntoList, 16
- gbhtml/ Directory Reference, 3
- gBHttp.cpp, 424
- gBHttp.h, 425
- gBHttpProxy.cpp, 426
- gBHttpProxy.h, 427
- gBigBuffer, 17
  - ~gBigBuffer, 18
  - baseBuf, 19
  - bNode, 19
  - e\_InFile, 18
  - e\_NodesRAM, 18
  - e\_NormalRAM, 17
  - eBufferKind, 17
  - Flush, 18
  - fTemp, 19
  - gBigBuffer, 18
  - GetBaseSize, 18
  - GetBufferKind, 18
  - GetFile, 18
  - GetNode, 18
  - GetNumberNodes, 18
  - isDynamic, 19
  - maxNodes, 19
  - NewFile, 18
  - nNodes, 19
  - thisAllocateBuf, 18
  - usedSize, 19
  - WriteBuf, 19
- gBNetHttpRequest.cpp, 428
- gBNetHttpRequest.h, 429
  - DBGPRINT\_HIO, 429
- gBStreamEtc.cpp, 430
- gBStreamEtc.h, 431
- gcalendar.cpp, 432
- gcalendar.h, 433
- gConfig, 20
  - ~gConfig, 21
  - cfgL, 23
  - confKind, 23
  - confL, 23
  - conpL, 23
  - doTrim, 23
  - e\_ConfLinear, 21
  - e\_ConfLinearFree, 21
  - e\_ConfSectionFree, 21
  - e\_ConfSectionStrict, 21
  - eConfKind, 21
  - gConfig, 21
  - GetSection, 21
  - GetSectionFromName, 21
  - GetSectionLine, 22
  - HasSection, 22
  - hasSections, 23
  - HasSections, 22
  - iLineError, 23
  - lastOpError, 23
  - lineSepChrs, 24
  - lineSepStrs, 24
  - linesInputL, 24
  - lineStartCommentL, 24
  - lineStartPos, 24
  - maxNLines, 24
  - nConf, 24
  - nIdxSectL, 24
  - noSectL, 24
  - Process, 22
  - sectionSep, 24
  - sectionStartPos, 24
  - sectL, 25
  - SetConfKind, 22
  - sFileName, 25
  - thisAddLineToList, 22
  - thisConfigDelete, 22
  - thisConfigInit, 22
  - thisParseLine, 22
  - thisProcess, 22
  - thisRead, 23
  - thisSectionChrStartEnd, 23
- gconfig.cpp, 434
- gconfig.h, 435
  - CONF\_CHR\_LINE\_ERR, 435
- gControl, 26
  - ~gControl, 28
  - ClearAllLogs, 28
  - ClearLogMem, 29
  - ClearLogMemAll, 29
  - dbgLevel, 30
  - dbgLevelDefault, 30
  - gControl, 28
  - GetErrorStr, 29
  - GetRandom, 29
  - IsOk, 29
  - lastOpError, 30
  - lLog, 30
  - Log, 29
  - logBuf, 31
  - MaximumStorageSize, 29
  - MinimumStorageSize, 29
  - nErrors, 31
  - NewObject, 29
  - Reset, 29
  - ResetLog, 29
  - RestoreGuts, 30
  - SaveGuts, 30
  - SetDefaultDbgLevel, 30
  - SetError, 30
  - sStrError, 31
  - ToString, 30
- gcontrol.cpp, 436
- gcontrol.h, 437

- gDateDay, 32
  - ~gDateDay, 32
  - dd, 33
  - gDateDay, 32
  - GetDay, 32
  - GetMonth, 32
  - GetValue32, 33
  - GetYear, 33
  - IsValid, 33
  - MinimumStorageSize, 33
  - NewObject, 33
  - RestoreGuts, 33
  - SaveGuts, 33
  - SetDay, 33
- gDateTime, 34
  - ~gDateTime, 35
  - day, 37
  - DaysOfMonth, 35
  - e\_Now, 35
  - eKindTime, 35
  - gDateTime, 35
  - GetTimeStamp, 35
  - hour, 37
  - isdst, 37
  - IsOk, 35
  - lastOpError, 37
  - minimumYear, 37
  - minu, 37
  - month, 38
  - NewObject, 36
  - Reset, 36
  - RestoreGuts, 36
  - SaveGuts, 36
  - sec, 38
  - SetError, 36
  - SetTimeStamp, 36
  - StorageName, 36
  - tblCalDurMonth, 38
  - thisCalCheck, 36
  - thisConvertFromStamp, 36
  - thisConvertTo\_libc\_tm, 36
  - thisConvertToStamp, 36
  - thisDateCheck, 37
  - thisDateTimeCheck, 37
  - thisTimeCheck, 37
  - ToString, 37
  - wday, 38
  - yday, 38
  - year, 38
- GDEF\_DIM
  - garray.h, 423
- gDegreeCelsius, 39
  - ~gDegreeCelsius, 39
  - Convert, 39
  - ConvertToFahrenheit, 39
  - gDegreeCelsius, 39
- gDegreeFh, 40
  - ~gDegreeFh, 40
  - Convert, 40
  - ConvertToCelsius, 40
  - gDegreeFh, 40
  - gdHCCouple, 41
    - ~gdHCCouple, 42
    - attrs, 43
    - CopyNormalizeAttr, 42
    - FindTagIdx, 42
    - gdHCCouple, 41, 42
    - GetHRef, 42
    - GetStr, 42
    - GetTagElement, 42
    - IsOk, 42
    - Show, 42
    - TagStr, 42
    - thisInitTag, 42
- gdhtml/ Directory Reference, 3
- gdHttpSnarf, 44
  - ~gdHttpSnarf, 44
  - BufferKind, 45
  - DoPrint, 45
  - FileInOut, 45
  - gdHttpSnarf, 44
  - GetHeaderLines, 45
  - GetReply, 45
  - HttpCode, 45
  - HttpCodeStr, 45
  - SnarfContent, 45
  - sReply, 45
  - UBuffer, 45
  - usedSize, 45
- gdHttpURI, 47
  - ~gdHttpURI, 48
  - ConnectHost, 48
  - ConnectHostStr, 48
  - ContentHost, 48
  - ContentHostStr, 48
  - gdHttpURI, 47, 48
  - IsOk, 48
  - ParseProxyStr, 48
  - Path, 48
  - PathStr, 48
  - Port, 48
  - proxy, 49
  - sConnectHost, 49
  - sContentHost, 49
  - sPath, 49
  - thisProcessHttpURI, 48
  - uPort, 49
- gDir, 50
  - ~gDir, 51
  - AddDir, 51
  - AddFile, 51
  - dirCount, 51
  - dirStream, 52
  - errUnstatL, 52
  - gDir, 50, 51
  - GetFullNameDir, 51
  - GetNameDir, 51
  - GetStat, 51
  - thisAddStatName, 51
  - thisAddSystemName, 51

- thisScanDir, 51
- gdir.cpp, 438
- gdir.h, 439
  - e\_FSysDir, 439
  - e\_FSysFile, 439
  - e\_FSysNoName, 439
  - eFileSystemName, 439
- gDirGeneric, 53
  - ~gDirGeneric, 54
  - AllNamesOk, 54
  - gDirGeneric, 54
  - GetName, 54
  - IsNameOk, 54
  - IsOk, 54
  - lastOpError, 55
  - RestoreGuts, 54
  - SaveGuts, 54
  - sDirName, 55
  - slashChr, 55
  - slashStr, 55
  - thisAllNamesOk, 54
  - thisNameOk, 54
  - ToString, 54
- gDirName, 56
  - ~gDirName, 57
  - dirStr, 57
  - gDirName, 56, 57
  - Name, 57
  - SetDirName, 57
  - Str, 57
  - thisBuildDirStr, 57
  - ToString, 57
- gDirStream, 58
  - ~gDirStream, 58
  - dirName, 59
  - doCloseDir, 58
  - doOpenDir, 58
  - dStat, 59
  - gDirStream, 58
  - isDirOpened, 59
  - IsOpened, 58
  - Name, 59
  - pdir, 59
- gdNetNames.cpp, 440
- gdNetNames.h, 441
- gdNetStrings.cpp, 442
- gdNetStrings.h, 443
- gdOptUnweb, 60
  - ~gdOptUnweb, 60
  - DumpStream, 60
  - DumpStreamWasOpened, 60
  - fDump, 61
  - fTemp, 61
  - gdOptUnweb, 60
  - htmlOpt, 61
- gdSnarfCommon.cpp, 444
  - gglobal\_EventTerminate, 444
- gdSnarfCommon.h, 445
- gdSnarfCont, 62
  - ~gdSnarfCont, 62
- Add, 62
- AddFromList, 63
- AddFromStr, 63
- AddFromString, 63
- gdSnarfCont, 62
- GetOCouple, 63
- Str, 63
- gdSnarfCont.cpp, 446
- gdSnarfCont.h, 447
- gdSnarfHttp.cpp, 448
- gdSnarfHttp.h, 449
- gdSnarfTidy.cpp, 450
- gdSnarfTidy.h, 451
- gdSnarfTxt2Cont.cpp, 452
- gdSnarfTxt2Cont.h, 453
- gdTxtCouple, 64
  - ~gdTxtCouple, 64
  - Couple, 65
  - CouplePtr, 65
  - gdTxtCouple, 64
  - GetStr, 65
  - IsOk, 65
  - ptrCouple, 65
  - Show, 65
  - thisInitTxtCouple, 65
- gdURI, 66
  - ~gdURI, 67
  - e\_URI\_NormalSwift, 66
  - e\_URI\_Swift, 66
  - eSwift, 66
  - gdURI, 67
  - GetDomainAndPathStr, 67
  - GetPathNameStr, 67
  - GetPathStr, 67
  - GetRelativePathStr, 67
  - IsOk, 67
  - IsValidDomain, 67
  - sPad, 67
  - Update, 67
- gElem, 69
  - ~gElem, 69
  - gElem, 69
  - MaximumStorageSize, 69
  - me, 70
  - NewObject, 69
  - next, 70
  - prev, 70
  - RestoreGuts, 70
  - SaveGuts, 70
  - Str, 70
  - ToString, 70
- gEND
  - gmain.h, 493
- gEND\_CLEANUP\_WSA
  - gmain.h, 493
- gEND\_STATEMENT
  - gmain.h, 493
- gENDLITTLE2
  - gmain.h, 493
- gENDLITTLE4

- gmain.h, 493
- GENUCHAR\_USU\_BUFSIZE
- gstorage.h, 506
- genUCharBuf
- gListGeneric, 246
- GetAttr
  - gHAttrList, 115
  - gHAttrs, 119
- GetAttrDef
  - gHtmlParser, 200
- GetAttrLValue
  - gHAttrList, 115
- GetAttrParam
  - gHAttrList, 115
- GetAttrPtr
  - gHAttrs, 119
- GetAttrRef
  - gHtmlParser, 200
- GetAttrRValue
  - gHAttrList, 115
- GetAttrStr
  - gHAType, 124
- GetAttrType
  - gHtmlParser, 200
- GetAttrValue
  - gHAttrList, 115
  - gHAttrs, 119
- GetAttrValuePtr
  - gHAttrs, 119
- GetB1
  - gIpAddr, 224
- GetB2
  - gIpAddr, 224
- GetB3
  - gIpAddr, 224
- GetB4
  - gIpAddr, 224
- GetBaseBuffer
  - gHttpGeneric, 212
  - gXHttpGeneric, 351
- GetBaseHRef
  - gHtmlOpt, 197
- GetBaseSize
  - gBigBuffer, 18
- GetBeginLineStr
  - sHOutFormat, 377
- GetBuffer
  - gHttpGeneric, 212
  - gXHttpGeneric, 352
- GetBufferKind
  - gBigBuffer, 18
- GetChar
  - gParamVal, 258
  - gStringGeneric, 294
- GetCompatLevel
  - sHtmlSymbol, 382
- GetContent
  - gHttpGeneric, 212
  - gXHttpCont, 348
  - gXHttpGeneric, 352
- GetCoord
  - sCoordText, 367
- GetCouple
  - gHList, 163
  - gHNode, 165
  - gHParsed, 174
  - gHtmlContent, 186
- GetCouplePtr
  - gHNode, 165
- GetCurrent
  - gStack, 270
- GetCurrentEpoch
  - gFileControl, 77
- GetCwd
  - gFileControl, 77
- GetDay
  - gDateDay, 32
- GetDefaultAttrNorm
  - gHtmlParser, 200
- GetDefaultIsoPage
  - gStrControl, 283
- GetDescStgChr
  - sUnCodeBin, 412
- GetDomainAndPathStr
  - gdURI, 67
- GetDomainStr
  - gURI, 336
- GetElapsedMilisec
  - gTimerTic, 312
- GetElement
  - gListGeneric, 243
- GetElementPtr
  - gListGeneric, 243
- GetErrorStr
  - gControl, 29
- GetFile
  - gBigBuffer, 18
- GetFilenameCode
  - gStrControl, 283
- GetFirstObjectPtr
  - gArrayCollect, 15
  - gListGeneric, 243
- GetFloat
  - gParamVal, 258
- GetFullNameDir
  - gDir, 51
- GetHash
  - gHashGeneric, 110
- getHeaderL
  - gXHttpGeneric, 353
- GetHeaderLines
  - gdHttpSnarf, 45
- GetHeadRefererStr
  - gXHttpCont, 348
- GetHeadUserAgentStr
  - gXHttpCont, 348
- GetHexa
  - gUniString, 325
- GetHexa0x
  - gUniString, 325

GetHostAddress  
     gIpAddr, 224  
 GetHostByAddr  
     gIpAddr, 224  
 GetHostByName  
     gIpAddr, 224  
 GetHostName  
     gHostAddr, 168  
 GetHRef  
     gdHCouple, 42  
     gHtmlCouple, 189  
 GetHtmlOpt  
     gHtmlContent, 186  
 GetHtmlStr  
     sHtmlSymbol, 382  
 GetInOctets  
     sOptSnarf, 388  
 GetInt  
     gInt, 215  
     gList, 237  
     gReal, 263  
 GetInt32  
     gHAType, 124  
     gHATypeSimple, 150  
     gHATypeSimple32, 152  
     gHATypeSimpleU32, 154  
 GetKeyKind  
     gKey, 231  
 GetLastNode  
     gHTree, 209  
 GetLastObjectPtr  
     gArrayCollect, 15  
     gListGeneric, 243  
 GetLength  
     gXHttpRequestHeader, 356  
 GetLetterCompat  
     sUnicodeBin, 412  
 GetLine  
     gXHttpRequestHeader, 356  
 GetLong  
     gParamVal, 258  
 GetLongValue  
     gParamVal, 258  
 GetMajorVersion  
     sUnicodeBin, 412  
 GetMaxInt  
     gInt, 216  
 GetMaxUInt  
     gUInt, 322  
 GetMilisec  
     gTimerTic, 312  
 GetMiliSecs  
     sTimeSeconds, 409  
 GetMilisecsDiff  
     gTimerTic, 312  
 GetMilisecsFromTics  
     gTimer, 310  
 GetMinInt  
     gInt, 216  
 GetMonth  
     gDateDay, 32  
 GetName  
     gDirGeneric, 54  
 GetNameDir  
     gDir, 51  
 GetNAttrType  
     gHtmlParser, 200  
 GetNetworkAddress  
     gIpAddr, 224  
 GetNewObjectFromFormat  
     gParam, 253  
 GetNode  
     gBigBuffer, 18  
 GetNumberNodes  
     gBigBuffer, 18  
 GetNumInt  
     gArray, 12  
     gVector, 342  
 GetNumObjects  
     gTop, 317  
 GetObjectPtr  
     gArrayCollect, 15  
     gListGeneric, 243  
 GetOCouple  
     gdSnarfCont, 63  
 GetOptionPtr  
     gArg, 7  
 GetOriginalStr  
     gURI, 336  
 GetParamVal  
     sParamRaw, 392  
 GetPathNameStr  
     gdURI, 67  
 GetPathStr  
     gdURI, 67  
     gURI, 337  
 GetPathType  
     gURI, 337  
 GetPathUnicode  
     gStrControl, 283  
 GetProtocolString  
     gXHttpRequestGeneric, 352  
 GetProxy  
     sOptSnarf, 388  
 GetRandom  
     gControl, 29  
 GetReal  
     gKey, 231  
 GetRelativePathStr  
     gdURI, 67  
 GetReply  
     gdHttpRequestSnarf, 45  
 GetScheme  
     gURI, 337  
 GetSecondsFromTics  
     gTimer, 310  
 GetSection  
     gConfig, 21  
 GetSectionFromName  
     gConfig, 21

- GetSectionLine
  - gConfig, 22
- GetService
  - gStorageControl, 279
- GetServiceDescriptor
  - gStorageControl, 279
- GetServiceName
  - gStorageControl, 279
- GetServicePtr
  - gStorageControl, 279
- GetStat
  - gDir, 51
  - gFileSysName, 96
- GetStatPtr
  - gFileSysName, 96
- GetStoreMethod
  - gStorage, 275
- GetStr
  - gdHCouple, 42
  - gdTxtCouple, 65
  - gHAType, 124
  - gHtmlCouple, 190
- GetStrForTree
  - gHtmlCouple, 190
- GetString
  - gKey, 232
- GetTagElement
  - gdHCouple, 42
  - gHtmlParser, 201
- GetTagId
  - gTagCoord, 302
- GetTagMaxId
  - gHtmlParser, 201
- GetTimeNow
  - gTimerTic, 312
- GetTimeStamp
  - gDateTime, 35
- GetTriple
  - gHashTriple, 113
- GetType
  - gHAType, 124
- GetTypeId
  - gHAType, 125
- GetUChar
  - gStringGeneric, 294
  - gUChar, 318
- GetUInt
  - gList, 237
  - gUInt, 323
- GetUInt64
  - gKey, 232
- GetUniqueName
  - gFileControl, 77
- GetURL
  - gHSeq, 182
- GetValue
  - gHAttrValue, 121
- GetValue32
  - gDateDay, 33
- GetValuePtr
  - gHAttrValue, 121
- GetVersion
  - gXHttpGeneric, 352
- GetX
  - gIntCoord, 219
- GetY
  - gIntCoord, 219
- GetYear
  - gDateDay, 33
- GetZ
  - gIntCoord, 219
- gFile, 71
  - ~gFile, 72
  - Close, 72
  - Device, 72
  - dKind, 74
  - e\_Binary, 72
  - e\_fDevOther, 72
  - e\_fStderr, 72
  - e\_fStdin, 72
  - e\_fStdout, 72
  - e\_Text, 72
  - eDeviceKind, 72
  - eFileKind, 72
  - ErrorStr, 72
  - f, 74
  - FileKind, 72
  - fKind, 74
  - fMode, 74
  - gFile, 72
  - IsDevice, 73
  - IsOk, 73
  - IsOpened, 73
  - lastErrorMsg, 74
  - LastErrorStr, 73
  - lastOpError, 74
  - Mode, 73
  - OpenDevice, 73
  - OpenToRead, 73
  - Overwrite, 73
  - Read, 73
  - ReadBuffer, 73
  - ReadData, 73
  - Stream, 74
  - thisRead, 74
- gfile.cpp, 454
  - global\_signal\_traps, 454
  - MySignalHandler, 454
- gfile.h, 455
  - DEF\_FIL\_BUFSIZE, 455
  - FILENM\_STRICT\_LVL1, 455
  - FILENM\_STRICT\_LVL2, 455
  - FILENM\_STRICT\_LVL3, 456
  - FILENM\_STRICT\_LVL4, 456
  - FILENM\_STRICT\_LVL5, 456
  - FILENM\_STRICT\_LVL6, 456
  - FILENM\_STRICT\_LVL7, 456
  - FILENM\_STRICT\_LVL8, 456
  - FILENM\_STRICT\_LVL9, 456
  - FL\_FILE\_TO\_READ, 456

- FL\_FILE\_TO\_WRITE, 456
- gglobal\_EventTerminate, 457
- global\_signal\_traps, 457
- GX\_SIGALRM, 456
- GX\_SIGCHLD, 456
- GX\_SIGHUP, 456
- GX\_SIGINT, 457
- GX\_SIGKILL, 457
- GX\_SIGPIPE, 457
- GX\_SIGQUIT, 457
- GX\_SIGSEGV, 457
- GX\_SIGTERM, 457
- GX\_SIGTRAP, 457
- GX\_SIGUSR1, 457
- GX\_SIGUSR2, 457
- gFILE\_S\_IFIFO
- gmain.h, 493
- gFileControl, 75
  - ~gFileControl, 76
  - AddTempFile, 76
  - charOnFileRelax, 79
  - CtrlGetPid, 76
  - CtrlGetTempPath, 76
  - CtrlGetUserName, 76
  - End, 76
  - ErrorStr, 76
  - exitCodeOnSignal, 79
  - fReport, 79
  - GetCurrentEpoch, 77
  - GetCwd, 77
  - GetUniqueName, 77
  - gFileControl, 76
  - Init, 77
  - InitCharOnFile, 77
  - isCharOnFile, 79
  - IsOkChar, 77
  - IsOkPathname, 77
  - IsOkStrict, 77
  - IsSignaled, 77
  - IsTerminated, 77
  - lastOpError, 79
  - MiliSecSleep, 77
  - NanoSleep, 77
  - OnEventTerminate, 78
  - Release, 78
  - RemoveTemp, 78
  - SecSleep, 78
  - Self, 78
  - SetSignaled, 78
  - SetSignaledByStr, 78
  - SignalHandler, 78
  - sName, 79
  - sUName, 79
  - tempL, 79
  - thisGetUniqueName, 78
  - thisInit, 78
  - thisInitCharOnFile, 78
  - tmpPath, 79
  - tmpPrefix, 80
  - tmpSuffix, 80
  - userId, 80
  - Write, 79
- gFileFetch, 81
  - ~gFileFetch, 82
  - AdjustBuffer, 82
  - aL, 83
  - BufferAutoAdjust, 82
  - doEndNewLine, 83
  - doResize, 83
  - doShowProgress, 83
  - Fetch, 82
  - fVRepErr, 83
  - gFileFetch, 82
  - IsBufferOk, 82
  - isFetchBufferOk, 84
  - maxNLines, 84
  - SetDeviceReport, 82
  - SetFileReport, 82
  - Str, 82
  - thisReadAll, 83
  - thisReadFile, 83
  - thisReadFileThrough, 83
  - thisReadStringAsFile, 83
- gFileName, 85
  - ~gFileName, 85
  - gFileName, 85
- gFileOut, 87
  - ~gFileOut, 87
  - f, 88
  - gFileOut, 87
  - MaximumStorageSize, 87
  - MinimumStorageSize, 87
  - NewLine, 88
  - SetModeDOS, 88
  - SetNL, 88
  - sNL, 88
- gFileStat, 89
  - ~gFileStat, 89
  - CopyStat, 89
  - Error, 89
  - gFileStat, 89
  - HasStat, 90
  - IsDirectory, 90
  - IsLink, 90
  - IsOk, 90
  - lastOpError, 90
  - lastOpErrorL, 90
  - name, 90
  - status, 91
  - statusL, 91
  - thisFileStat, 90
  - thisStatName, 90
  - Update, 90
- gfilestat.cpp, 458
- gfilestat.h, 459
  - t\_fs\_perm, 459
- gFileStream, 92
  - ~gFileStream, 93
  - buffer, 94
  - Buffer, 93

- bufferSize, 94
- BufferSize, 93
- gFileStream, 92, 93
- isBufferOk, 94
- IsBufferOk, 93
- isFileChanged, 94
- isOpOk, 94
- Overwrite, 93
- Read, 93
- ReadBuffer, 93
- Rewind, 93
- seekEnd, 94
- seekPos, 94
- SeekPos, 93
- Size, 93
- thisAllocateBuffer, 94
- UBuffer, 94
- gFileSysName, 95
  - ~gFileSysName, 95
  - fsysName, 96
  - GetStat, 96
  - GetStatPtr, 96
  - gFileSysName, 96
  - HasStat, 96
  - isDirectory, 97
  - IsDirectory, 96
  - IsOk, 96
  - IsStrOk, 96
  - myStat, 97
  - Name, 96
  - Str, 96
- gFileTemp, 98
  - ~gFileTemp, 99
  - e\_NamePre, 98
  - e\_NameStd, 98
  - eTempMethod, 98
  - fHandle, 99
  - gFileTemp, 98, 99
  - isHandledFStream, 99
  - IsOpened, 99
  - Rewind, 99
  - sTempName, 99
  - tempMethod, 99
  - thisOverwrite, 99
- gFileText, 100
  - ~gFileText, 100
  - gFileText, 100
  - isFileChanged, 101
  - isOpOk, 101
  - ReadLine, 100, 101
  - seekEnd, 101
  - seekPos, 101
- gglobal\_EventTerminate
  - gdSnarfCommon.cpp, 444
  - gfile.h, 457
- gHash, 102
  - ~gHash, 102
  - Add, 103
  - AddTriplePos\_dbg, 103
  - doFindBeforeInsert, 104
  - FindKey, 103
  - gHash, 102
  - RestoreGuts, 103
  - SaveGuts, 103
  - Show, 103
  - thisAddElem, 103
  - thisFindKey, 103
  - thisKeyMatch, 103
  - ToString, 104
- ghash.cpp, 460
- ghash.h, 461
  - LST\_HASH\_SIZE, 461
  - LST\_HASH\_SIZE\_MIN, 461
- gHashElemGeneric, 105
  - ~gHashElemGeneric, 105
  - gHashElemGeneric, 105
  - hKey, 105
  - myObj, 105
- gHashElemTriple, 107
  - ~gHashElemTriple, 107
  - gHashElemTriple, 107
  - iVal, 108
  - sDesc, 108
  - Show, 107
- gHashGeneric, 109
  - ~gHashGeneric, 109
  - Delete, 110
  - FindKey, 110
  - GetHash, 110
  - gHashGeneric, 109
  - IsEmpty, 110
  - IsValidIndex, 110
  - N, 110
  - NewObject, 110
  - pLst, 111
  - RestoreGuts, 110
  - SaveGuts, 110
  - size, 111
  - thisDelete, 110
  - thisInsertElement, 110
  - thisPreAllocate, 111
  - ToString, 111
- gHashTriple, 112
  - ~gHashTriple, 112
  - AddTriple, 112, 113
  - Find, 113
  - FindKey, 113
  - GetTriple, 113
  - gHashTriple, 112
- gHAttrList, 114
  - ~gHAttrList, 115
  - CopyAttr, 115
  - Find, 115
  - GetAttr, 115
  - GetAttrLValue, 115
  - GetAttrParam, 115
  - GetAttrRValue, 115
  - GetAttrValue, 115
  - gHAttrList, 114
  - IsEmpty, 115

N, 116  
 nAttr, 116  
 NAttr, 116  
 originalLst, 116  
 pAttrAssign, 116  
 Reset, 116  
 sAttr, 117  
 Set, 116  
 sOAttr, 117  
 sThisVal, 117  
 Str, 116  
 thisValidateValue, 116  
 ValidateValue, 116  
 gHAttrs, 118  
   ~gHAttrs, 118  
   BuildFromLRLists, 118  
   GetAttr, 119  
   GetAttrPtr, 119  
   GetAttrValue, 119  
   GetAttrValuePtr, 119  
   gHAttrs, 118  
   IsOk, 119  
   NewType, 119  
   Reset, 119  
   Show, 119  
   TypeEnumToSmartL, 119  
   TypeName2HAttrType, 119  
 gHAttrValue, 121  
   ~gHAttrValue, 121  
   GetValue, 121  
   GetValuePtr, 121  
   gHAttrValue, 121  
   valuePtr, 122  
 gHAType, 123  
   ~gHAType, 124  
   GetAttrStr, 124  
   GetInt32, 124  
   GetStr, 124  
   GetType, 124  
   GetTypeId, 125  
   gHAType, 124  
   IsOk, 125  
   IsValue, 125  
   IsValueAbsolute, 125  
   Reset, 125  
   sAuxOut, 125  
   sOrig, 125  
   sUnquoted, 125  
   thisUnquotedStr, 125  
   typeid, 126  
   Unquote, 125  
 gHATypeCDATA, 127  
   ~gHATypeCDATA, 127  
   gHATypeCDATA, 127  
 gHATypeCharsets, 128  
   ~gHATypeCharsets, 128  
   gHATypeCharsets, 128  
 gHATypeColor, 129  
   ~gHATypeColor, 129  
   gHATypeColor, 129  
   gHATypeContentTypes, 130  
     ~gHATypeContentTypes, 130  
     gHATypeContentTypes, 130  
 gHATypeEnum, 131  
   ~gHATypeEnum, 131  
   gHATypeEnum, 131  
 gHATypeFrameTarget, 132  
   ~gHATypeFrameTarget, 132  
   gHATypeFrameTarget, 132  
   isBlank, 132  
 gHATypeGenLst, 134  
   ~gHATypeGenLst, 134  
   gHATypeGenLst, 134  
   hAttrSingle, 134  
 gHATypeGString, 136  
   ~gHATypeGString, 136  
   gHATypeGString, 136  
 gHATypeID, 137  
   ~gHATypeID, 137  
   gHATypeID, 137  
 gHATypeIDREF, 138  
   ~gHATypeIDREF, 138  
   gHATypeIDREF, 138  
 gHATypeIDREFS, 139  
   ~gHATypeIDREFS, 139  
   gHATypeIDREFS, 139  
 gHATypeLength, 140  
   ~gHATypeLength, 140  
   gHATypeLength, 140  
   IsValueAbsolute, 140  
   percent, 141  
 gHATypeLstStr, 142  
   ~gHATypeLstStr, 142  
   gHATypeLstStr, 142  
 gHATypeLstVal, 143  
   ~gHATypeLstVal, 143  
   gHATypeLstVal, 143  
   IsValue, 143  
 gHATypeMultiLengths, 145  
   ~gHATypeMultiLengths, 145  
   gHATypeMultiLengths, 145  
 gHATypeNAME, 146  
   ~gHATypeNAME, 146  
   gHATypeNAME, 146  
 gHATypeNUMBER, 147  
   ~gHATypeNUMBER, 147  
   gHATypeNUMBER, 147  
 gHATypePixels, 148  
   ~gHATypePixels, 148  
   gHATypePixels, 148  
 gHATypeSimple, 149  
   ~gHATypeSimple, 149  
   GetInt32, 150  
   gHATypeSimple, 149  
   IsOk, 150  
   IsValue, 150  
   v, 150  
 gHATypeSimple32, 151  
   ~gHATypeSimple32, 151  
   GetInt32, 152

- gHATypeSimple32, 151
- IsOk, 152
- IsValue, 152
- vS32, 152
- gHATypeSimpleU32, 153
  - ~gHATypeSimpleU32, 153
  - ConvertHexStrToUInt32, 154
  - GetInt32, 154
  - gHATypeSimpleU32, 153
  - IsOk, 154
  - IsValue, 154
  - vU32, 154
- gHATypeStringSingle, 155
  - ~gHATypeStringSingle, 155
  - gHATypeStringSingle, 155
  - IsOk, 156
- gHATypeStyleSheet, 157
  - ~gHATypeStyleSheet, 157
  - gHATypeStyleSheet, 157
- gHATypeText, 158
  - ~gHATypeText, 158
  - gHATypeText, 158
- gHATypeURI, 159
  - ~gHATypeURI, 159
  - gHATypeURI, 159
- gHInOpt, 160
  - ~gHInOpt, 160
  - ConvertToInt, 161
  - gHInOpt, 160
  - hasLineAddRestriction, 161
  - HasToSkip, 161
  - lLineAdd, 161
  - lLineSuppress, 161
  - SetFromString, 161
  - thisAddLineSup, 161
  - thisAddLineSupGTE, 161
  - thisHasToShow, 161
  - vLineGTE, 161
  - vLineLTE, 162
  - vLineSupGTE, 162
  - vLineSupLTE, 162
- gHList, 163
  - ~gHList, 163
  - AppendCouple, 163
  - coupleFakeBody, 164
  - GetCouple, 163
  - gHList, 163
- gHNode, 165
  - ~gHNode, 165
  - GetCouple, 165
  - GetCouplePtr, 165
  - gHNode, 165
  - IsTag, 166
  - nextNode, 166
  - pCouple, 166
  - SetCouplePtr, 166
  - tSub, 166
- gHostAddr, 167
  - ~gHostAddr, 167
  - destHostStr, 168
  - GetHostName, 168
  - gHostAddr, 167
  - IsOk, 168
  - SetHostName, 168
  - Show, 168
  - String, 168
- gHOutOpt, 169
  - ~gHOutOpt, 170
  - aTidy, 171
  - Config, 170
  - ConfigFromFile, 170
  - CopyDefaultAttrNorms, 170
  - CopyDefaultAttrs, 170
  - CopyHOutOpt, 170
  - fRepErr, 171
  - gHOutOpt, 170
  - HasTidy, 170
  - HasTidyAttr, 170
  - HasToSkip, 170
  - IsTagSkipped, 171
  - lAttrsNorm, 171
  - lSkipFSt, 171
  - lSkipStt, 171
  - lSkipTag, 172
  - myConfig, 172
  - Show, 171
  - thisConfig, 171
  - thisHasTidy, 171
  - thisHasTidyAttr, 171
- gHParsed, 173
  - ~gHParsed, 174
  - CurrentCouple, 174
  - Depth, 174
  - FindCouple, 174
  - GetCouple, 174
  - gHParsed, 174
  - hasBaseHRef, 175
  - kMust, 175
  - PopTag, 174
  - PushTag, 174
  - PushTagOptEnd, 174
  - state, 175
  - Str, 175
  - StrMust, 175
  - tblStateStr, 175
  - thisPush, 175
  - thisPushCouple, 175
  - TrashLast, 175
- gHSelConf, 177
  - ~gHSelConf, 177
  - Config, 177
  - ConfigFromFile, 177
  - fRepErr, 178
  - gHSelConf, 177
  - myConfig, 178
  - Show, 178
  - thisConfig, 178
- gHSelect, 179
  - ~gHSelect, 179
  - fOut, 179

- fRepErr, 179
- gHSelect, 179
- Select, 179
- gHSeq, 181
  - ~gHSeq, 182
- baseURI, 183
- Build, 182
- fRepErr, 183
- GetURL, 182
- gHSeq, 181
- hTree, 183
- iCoordStt, 183
- nCoords, 183
- pTagCoords, 183
- sBaseHRef, 183
- SetBaseHRef, 182
- ShowPart, 182
- sOut, 183
- thisAppendNormal, 182
- thisAppendTree, 182
- thisBuild, 182
- thisCheck, 182
- thisConsolidate, 182
- thisFindRememberedBlock, 182
- thisLineSubBlock, 183
- thisLineSubBlockCoord, 183
- gHtmlAttr.cpp, 462
- gHtmlAttr.h, 463
- gHtmlContent, 185
  - ~gHtmlContent, 186
- Add, 186
- GetCouple, 186
- GetHtmlOpt, 186
- gHtmlContent, 185
- nLines, 187
- SetHtmlOpt, 186
- Show, 186
- Str, 186
- TagError, 186
- theHtmlOpt, 187
- thisAddCouple, 186
- thisAddHmtlLine, 187
- thisAddHtmlTag, 187
- thisAddHtmlText, 187
- UpCaseAttributes, 187
- gHtmlCouple, 188
  - ~gHtmlCouple, 189
- Add, 189
- AddTag, 189
- AddText, 189
- attrL, 190
- CopyTag, 189
- coupleId, 191
- GetHRef, 189
- GetStr, 190
- GetStrForTree, 190
- gHtmlCouple, 189
- idEndTag, 191
- idTag, 191
- iLine, 191
- IsAnchor, 190
- IsOk, 190
- IsSkippedTag, 190
- IsTagEnd, 190
- IsText, 190
- oCouple, 191
- pElem, 191
- pHStr, 191
- sKeepStr, 191
- sTag, 191
- sTagStr, 192
- sWholeTag, 192
- synError, 192
- TagString, 190
- tcoord, 192
- theDocType, 192
- gHtmlCtrl, 193
  - ~gHtmlCtrl, 193
- gHtmlCtrl, 193
- hLog, 194
- Init, 193
- ParserPtr, 193
- ReleaseHash, 193
- Self, 193
- gHtmlCtrl.cpp, 464
- gHtmlCtrl.h, 465
  - DBGPRINT\_WEB1, 465
  - DBGPRINT\_WEB2, 465
  - DBGPRINT\_WEB3, 465
  - DBGPRINT\_WEB1A, 465
  - DBGPRINT\_WEB1A2, 465
  - HTML\_LOG, 465
- gHtmlHAttr.cpp, 466
- gHtmlHAttr.h, 467
- gHtmlHATypes.cpp, 468
- gHtmlHATypes.h, 469
  - e\_HAT\_CDATA, 469
  - e\_HAT\_ID, 469
  - e\_HAT\_IDREF, 469
  - e\_HAT\_IDREFS, 469
  - e\_HAT\_NAME, 469
  - e\_HAT\_None, 469
  - e\_HAT\_NUMBER, 469
  - e\_HAT\_Single, 469
  - e\_HATp\_CAlign, 470
  - e\_HATp\_Character, 470
  - e\_HATp\_Charset, 470
  - e\_HATp\_Charsets, 470
  - e\_HATp\_Color, 470
  - e\_HATp\_ContentType, 470
  - e\_HATp\_ContentTypes, 470
  - e\_HATp\_Coords, 470
  - e\_HATp\_DateTime, 470
  - e\_HATp\_EnumChoice, 470
  - e\_HATp\_FrameTarget, 470
  - e\_HATp\_HtmlVersion, 470
  - e\_HATp\_IAlign, 470
  - e\_HATp\_InputType, 470
  - e\_HATp\_LAlign, 470
  - e\_HATp\_LanguageCode, 470

- e\_HATp\_Length, 470
- e\_HATp\_LinkTypes, 470
- e\_HATp\_ListStyle, 470
- e\_HATp\_MediaDesc, 470
- e\_HATp\_MultiLength, 470
- e\_HATp\_MultiLengths, 470
- e\_HATp\_OLStyle, 470
- e\_HATp\_Pixels, 470
- e\_HATp\_Scope, 470
- e\_HATp\_Script, 470
- e\_HATp\_Shape, 470
- e\_HATp\_StyleSheet, 470
- e\_HATp\_TAlign, 470
- e\_HATp\_Text, 470
- e\_HATp\_TFrame, 470
- e\_HATp\_TRules, 470
- e\_HATp\_ULStyle, 470
- e\_HATp\_URI, 470
- eHAttrType, 469
- HATYPE\_S32\_INVALID\_VAL, 469
- HATYPE\_U32\_INVALID\_VAL, 469
- gHtmlLog, 195
  - ~gHtmlLog, 195
  - fRepErr, 195
  - gHtmlLog, 195
- gHtmlLog.cpp, 471
- gHtmlLog.h, 472
- gHtmlOpt, 196
  - ~gHtmlOpt, 196
  - AddIdTagOptEnd, 196
  - CopyOptions, 197
  - DoBaseHRef, 197
  - GetBaseHRef, 197
  - gHtmlOpt, 196
  - inOpt, 197
  - lIdTagOptEnd, 197
  - oErrInvTagWrite, 197
  - oErrStateAllSuppress, 197
  - oErrStateSuppress, 197
  - outFmt, 197
  - outOpt, 197
  - sBaseHREF, 197
  - sStrAux, 198
- gHtmlOpt.cpp, 473
- gHtmlOpt.h, 474
  - e\_HS\_Body, 474
  - e\_HS\_BodyAfter, 474
  - e\_HS\_End, 474
  - e\_HS\_Head, 474
  - e\_HS\_HeadAfter, 474
  - e\_HS\_Html, 474
  - e\_HS\_Last, 474
  - e\_HS\_Sp\_FakeBody, 474
  - e\_HS\_Start, 474
  - e\_HS\_StartAfter, 474
  - eHState, 474
- gHtmlParser, 199
  - ~gHtmlParser, 200
  - docType, 202
  - FindTag, 200
  - FindTagIdx, 200
  - fOutAll, 202
  - GetAttrDef, 200
  - GetAttrRef, 200
  - GetAttrType, 200
  - GetDefaultAttrNorm, 200
  - GetNAttrType, 200
  - GetTagElement, 201
  - GetTagMaxId, 201
  - gHtmlParser, 200
  - htmlInput, 202
  - htmlOpt, 202
  - lastWarnOpCode, 202
  - lOut, 202
  - lParts, 202
  - myBaseHRef, 202
  - nErrorsOther, 202
  - nErrorsSyntax, 202
  - nWarnings, 202
  - Parse, 201
  - pUnweb, 202
  - ReleaseHash, 201
  - SetError, 201
  - SetOptions, 201
  - SetWarn, 201
  - Show\_dbg, 201
  - ShowTree, 201
  - thisFillFromUnweb, 201
  - thisFindTag, 201
  - thisParse, 201
- gHtmlParser.cpp, 475
- gHtmlParser.h, 476
  - e\_HtmlElementPhrase, 478
  - eHtmlElementFamily, 478
  - XH\_ENDTAG, 476
  - XH\_IDTAG\_ANCHOR, 476
  - XH\_IDTAG\_BASE, 476
  - XH\_IDTAG\_BODY, 476
  - XH\_IDTAG\_FONTx, 477
  - XH\_IDTAG\_H1, 477
  - XH\_IDTAG\_HEAD, 477
  - XH\_IDTAG\_HL, 477
  - XH\_IDTAG\_HTML, 477
  - XH\_IDTAG\_IMG, 477
  - XH\_IDTAG\_TABLEx, 477
  - XH\_NOTAG, 477
  - XH\_SKIP\_ATTR, 477
  - XH\_SKIP\_TAG, 477
  - XH\_SKIP\_TAG\_FORCE, 477
  - XH\_TBL\_TAG\_OPTEND, 478
  - XH\_TBL\_TAG\_OPTEND\_CFG, 478
- gHtmlSelect.cpp, 479
- gHtmlSelect.h, 480
- gHtmlSeq.cpp, 481
- gHtmlSeq.h, 482
- gHtmlString, 204
  - ~gHtmlString, 205
  - AsciiToString, 205
  - ConvertAmpToAscii, 205
  - ConvertHTToAscii, 205

- ConvertToHString, 205
- doIgnoreAmp, 206
- gHtmlString, 205
- IsOk, 205
- lastOpError, 206
- nTblSymIsoLatin1, 206
- nTblSymUsu, 206
- tblSymIsoLatin1, 206
- tblSymUsu, 206
- thisConvertHToAscii, 205
- thisConvertToHStringIgnoreAmp, 205
- thisFindSymbolISO, 205
- thisStrSymbolAmp, 206
- thisSymbolString, 206
- vTblSymIsoL1Max, 206
- vTblSymIsoL1Min, 207
- vTblSymUsuMin, 207
- gHTree, 208
  - ~gHTree, 208
  - AppendCouplePtr, 209
  - AppendTreePtr, 209
  - GetLastNode, 209
  - gHTree, 208
  - IsEmpty, 209
  - pEnd, 210
  - pStart, 210
  - Reset, 209
  - Show, 209
  - ShowTree, 209
  - StartNode, 209
  - thisAppendNode, 209
  - thisShowNode, 209
- ghttp.cpp, 483
- ghttp.h, 484
  - MAX\_HTTP\_CHUNK\_SIZE, 484
  - MAX\_HTTP\_HUGE\_CHUNK\_SIZE, 484
- gHttpGeneric, 211
  - ~gHttpGeneric, 212
  - e\_Binary, 211
  - e\_Get, 212
  - e\_Post, 212
  - e\_TextPlain, 211
  - eContentImport, 211
  - eContentMethod, 212
  - GetBaseBuffer, 212
  - GetBuffer, 212
  - GetContent, 212
  - gHttpGeneric, 212
  - pConnection, 212
- gHttpRequestList, 213
  - ~gHttpRequestList, 213
  - Consolidate, 213
  - CopyRequest, 214
  - FindHeadFirst, 214
  - FindHeadFullFirst, 214
  - gHttpRequestList, 213
  - iContentLength, 214
  - IsText, 214
  - lText, 214
  - NLines, 214
  - thisAdjustColonStr, 214
- gid
  - sFileStat, 372
- gINIT
  - gmain.h, 494
- gInt, 215
  - ~gInt, 215
  - c, 216
  - GetInt, 215
  - GetMaxInt, 216
  - GetMinInt, 216
  - gInt, 215
  - Incr, 216
  - NewObject, 216
  - Reset, 216
  - RestoreGuts, 216
  - SaveGuts, 216
  - SetInt, 216
  - Show, 216
  - ToString, 216
- gIntCoord, 218
  - ~gIntCoord, 219
  - GetX, 219
  - GetY, 219
  - GetZ, 219
  - gIntCoord, 218, 219
  - iAux, 220
  - NewObject, 219
  - operator=, 219
  - Reset, 219
  - SetX, 219
  - SetY, 219
  - SetZ, 220
  - Show, 220
  - ToString, 220
  - y, 220
  - z, 220
- gIntDegree, 221
  - ~gIntDegree, 221
  - Convert, 222
  - gIntDegree, 221
  - NearestInt, 222
  - operator=, 222
  - rValue, 222
- gIpAddr, 223
  - ~gIpAddr, 224
  - b1, 226
  - b2, 226
  - b3, 226
  - b4, 226
  - GetB1, 224
  - GetB2, 224
  - GetB3, 224
  - GetB4, 224
  - GetHostAddress, 224
  - GetHostByAddr, 224
  - GetHostByName, 224
  - GetNetworkAddress, 224
  - gIpAddr, 224
  - IsOk, 225

- operator=, 225
- Reset, 225
- SetAddr, 225
- SetAddrFromStr, 225
- Show, 225
- String, 225
- thisGetHostByAddr, 225
- thisGetHostByteOrder, 225
- thisGetIP, 225
- thisSetIPfromHostByteOrder, 225
- thisSetIPfromHostEnt, 226
- ToString, 226
- gIpV4Mask, 227
  - ~gIpV4Mask, 228
  - e\_ClassA, 227
  - e\_ClassB, 227
  - e\_ClassC, 227
  - e\_ClassD, 227
  - e\_ClassE, 227
  - e\_NoClass, 227
  - e\_none, 228
  - e\_P010, 228
  - e\_P172, 228
  - e\_P192, 228
  - eClass, 227
  - ePrivateAddrSpace, 228
  - gIpV4Mask, 228
  - mask, 228
  - nBitsCIDR, 228
  - SetBitsCIDR, 228
  - thisSetNBitsFromMask, 228
- gKey, 230
  - ~gKey, 231
  - Copy, 231
  - e\_Int, 231
  - e\_Real, 231
  - e\_String, 231
  - e\_UInt64, 231
  - eKeyKind, 231
  - GetKeyKind, 231
  - GetReal, 231
  - GetString, 232
  - GetUInt64, 232
  - gKey, 231
  - HashPos, 232
  - HashStrPos, 232
  - IsOk, 232
  - keyKind, 233
  - MatchKey, 232
  - MatchStorage, 232
  - NewObject, 232
  - pvalDouble, 233
  - pvalStr, 233
  - pvalUInt, 233
  - Reset, 232
  - Set, 232, 233
  - Show, 233
  - thisNewKind, 233
  - ToString, 233
- gList, 234
  - ~gList, 236
  - Add, 236
  - CopyList, 237
  - DeleteString, 237
  - DeleteStrings, 237
  - Find, 237
  - FindAny, 237
  - FindFirst, 237
  - GetInt, 237
  - GetUInt, 237
  - gList, 236
  - Match, 238
  - RestoreGuts, 238
  - SaveGuts, 238
  - Show, 238
  - thisFind, 238
  - ToString, 238
- glist.cpp, 485
- glist.h, 486
  - e\_FindBeforePosition, 486
  - e\_FindExactPosition, 486
  - e\_FindFromPosition, 486
  - eFindCriteria, 486
- glistext.cpp, 487
- glistext.h, 488
- gListGeneric, 239
  - ~gListGeneric, 242
  - AppendObject, 242
  - Delete, 242
  - doIgnoreCase, 246
  - e\_LstDefault, 242
  - e\_LstHash, 242
  - e\_LstIdx0Unused, 242
  - e\_LstIdx1toN, 242
  - e\_LstIdx1toNstrict, 242
  - e\_LstPointer, 242
  - ElementsKind, 242
  - eListIndexes, 241
  - eListStrategy, 242
  - EndPtr, 242
  - genUCharBuf, 246
  - GetElement, 243
  - GetElementPtr, 243
  - GetFirstObjectPtr, 243
  - GetLastObjectPtr, 243
  - GetObjectPtr, 243
  - gListGeneric, 242
  - IsEmpty, 243
  - IsValidIndex, 243
  - lstIdxs, 246
  - MaximumStorageSize, 243
  - maxSize, 246
  - MinimumStorageSize, 243
  - N, 243
  - NewObject, 244
  - pCurrent, 246
  - pEnd, 246
  - preMaxSize, 246
  - pStart, 246
  - Reset, 244

- RestoreGuts, 244
- SaveGuts, 244
- SetCaseSense, 244
- size, 246
- StartPtr, 245
- stgy, 247
- Str, 245
- thisAppend, 245
- thisDelete, 245
- thisIndex, 245
- thisPreAllocate, 245
- ToString, 245
- UStr, 246
- gListInt, 248
  - ~gListInt, 248
  - Append, 248
  - FindInt, 248
  - gListInt, 248
  - operator[], 249
- global\_signal\_traps
  - gfile.cpp, 454
  - gfile.h, 457
- gmain.h, 489
  - ASSERTION, 490
  - ASSERTION\_FALSE, 491
  - ASSERTION\_USE, 492
  - DBGPRINT, 492
  - DBGPRINT\_LOG, 492
  - DBGPRINT\_MEA, 492
  - DBGPRINT\_MIN, 492
  - false, 493
  - FROM\_UD2, 493
  - FROM\_UD4, 493
  - gEND, 493
  - gEND\_CLEANUP\_WSA, 493
  - gEND\_STATEMENT, 493
  - gENDLITTLE2, 493
  - gENDLITTLE4, 493
  - gFILE\_S\_IFIFO, 493
  - gINIT, 494
  - gMAX, 494
  - gMIN, 494
  - GMIN\_STAT\_OBJ, 494
  - gRANGE0, 494
  - gRANGEX, 494
  - gSLASHCHR, 494
  - gSLASHSTR, 494
  - ISyORn, 494
  - LIB\_VERSION\_GLIB\_MAJOR, 494
  - LIB\_VERSION\_GLIB\_MINOR, 494
  - MAX\_DLINT32, 494
  - MAX\_DUINT32, 495
  - MAX\_INT16\_I, 495
  - MAX\_LONG\_L, 495
  - MAX\_STAMP\_UL, 495
  - MAX\_U4B\_ULL, 495
  - MAX\_UINT\_UL, 495
  - MAX\_UINT16\_U, 495
  - MIN\_DLINT32, 495
  - MIN\_INT16\_I, 495
  - MIN\_LONG\_L, 495
  - t\_gPort, 496
  - t\_gTicElapsed, 496
  - t\_inode, 496
  - t\_int16, 496
  - t\_int32, 496
  - t\_int8, 496
  - t\_stamp, 496
  - t\_uchar, 496
  - t\_uint16, 496
  - t\_uint2B, 496
  - t\_uint32, 496
  - t\_uint4B, 496
  - t\_uint64, 496
  - t\_uint8, 497
  - TO\_UD2, 495
  - TO\_UD4, 495
  - true, 496
- gmath.cpp, 498
- gmath.h, 499
- gMAX
  - gmain.h, 494
- gMIN
  - gmain.h, 494
- GMIN\_STAT\_OBJ
  - gmain.h, 494
- gnet.cpp, 500
- gnet.h, 501
  - in\_addr\_t, 501
  - STG\_SVC\_IDX\_SOCK, 501
  - STG\_SVC\_KND\_SOCK, 501
  - t\_gIpAddr, 501
- gNetConnect, 250
  - ~gNetConnect, 250
  - gNetConnect, 250
  - Handle, 250
  - Read, 250, 251
  - ReadLine, 251
  - Write, 251
- gobj/ Directory Reference, 4
- GoCmdHttp
  - sOptSnarf, 388
- gParam, 252
  - ~gParam, 253
  - doAutoTrim, 253
  - e\_Normal, 252
  - e\_NormalQuoted, 252
  - e\_StopSplitOnFirst, 252
  - eParamCriteria, 252
  - Find, 253
  - GetNewObjectFromFormat, 253
  - gParam, 253
  - paramCriteria, 253
  - strParamSplit, 253
  - thisSplit, 253
- gParamElem, 255
  - ~gParamElem, 255
  - Add, 255
  - gParamElem, 255
  - MainChar, 256

- mainChr, 256
- NewObject, 256
- paramConfig, 256
- sRaw, 256
- gParamVal, 257
  - ~gParamVal, 258
  - AddToList, 258
  - allStr, 259
  - CopyParam, 258
  - cVal, 259
  - errorCode, 259
  - FillParam, 258
  - FindMainChar, 258
  - FindObj, 258
  - GetChar, 258
  - GetFloat, 258
  - GetLong, 258
  - GetLongValue, 258
  - gParamVal, 257
  - lVal, 259
  - NewObject, 258
  - realVal, 259
  - repeats, 259
  - SetLong, 258
  - SetString, 259
  - Show, 259
  - sufStr, 259
  - sVal, 260
  - ToString, 259
- gRandom, 261
  - ~gRandom, 261
  - GarbleSeed, 261
  - gRandom, 261
  - Reset, 261
  - SetSeed, 261
  - thisGetRandom, 262
  - uRange, 262
- gRANGE0
  - gmain.h, 494
- gRANGEX
  - gmain.h, 494
- gReal, 263
  - ~gReal, 263
  - c, 264
  - GetInt, 263
  - gReal, 263
  - MaximumStorageSize, 264
  - NewObject, 264
  - Reset, 264
  - RestoreGuts, 264
  - SaveGuts, 264
  - SetInt, 264
  - Show, 264
  - ToString, 264
- gSLASHCHR
  - gmain.h, 494
- gSLASHSTR
  - gmain.h, 494
- gSmartList, 265
  - ~gSmartList, 265
  - AddFromList, 265
  - AddFromStr, 265
  - AddFromString, 266
  - gSmartList, 265
  - MatchWhere, 266
  - SetSmartChr, 266
  - smartChr, 266
  - sSmartChr, 266
- gSocket, 267
  - ~gSocket, 268
  - Close, 268
  - e\_None, 267
  - e\_other, 267
  - e\_TCP, 267
  - e\_UDP, 267
  - eSocketKind, 267
  - gSocket, 268
  - Handle, 268
  - IsConnected, 268
  - IsOk, 268
  - IsOpened, 268
  - Open, 268
  - SetConnection, 268
  - sockCount, 269
  - sockKind, 269
- gStack, 270
  - ~gStack, 270
  - GetCurrent, 270
  - gStack, 270
  - Pop, 270
  - Push, 271
- gstack.cpp, 502
- gstack.h, 503
- gstdtypes.h, 504
  - gUINT\_IS\_32bit, 504
- gStorage, 272
  - ~gStorage, 274
  - CanRestore, 274
  - CanSave, 275
  - e\_Control, 274
  - e\_List, 274
  - e\_NoStorage, 273
  - e\_Real, 274
  - e\_ResvdStore, 273
  - e\_ResvdStore12, 274
  - e\_ResvdStore13, 274
  - e\_ResvdStore14, 274
  - e\_ResvdStore15, 274
  - e\_ResvdStore16, 274
  - e\_ResvdStore17, 274
  - e\_ResvdStore18, 274
  - e\_ResvdStore19, 274
  - e\_ResvdStore22, 274
  - e\_ResvdStore23, 274
  - e\_ResvdStore24, 274
  - e\_ResvdStore25, 274
  - e\_ResvdStore26, 274
  - e\_ResvdStore27, 274
  - e\_ResvdStore28, 274
  - e\_ResvdStore29, 274

- e\_ResvdStore30, 274
- e\_ResvdStore8, 273
- e\_ResvdStore9, 273
- e\_SChar, 273
- e\_SInt, 273
- e\_SLongInt, 273
- e\_StgDefault, 274
- e\_StgFlat, 274
- e\_StgGlobalFlat, 274
- e\_StgGlobalString, 274
- e\_StgNoStore, 274
- e\_StgString, 274
- e\_StoreExtend, 274
- e\_String, 274
- e\_StrUnicode, 274
- e\_UChar, 273
- e\_UInt, 273
- e\_ULongInt, 273
- e\_UnusedStore, 274
- EndGuts, 275
- eStorage, 273
- eStoreMethod, 274
- GetStoreMethod, 275
- gStorage, 274
- IsOk, 275
- IsString, 275
- kind, 277
- Kind, 275
- MaximumStorageSize, 275
- MinimumStorageSize, 275
- NewObject, 276
- oneCharBuf, 277
- Reset, 276
- RestoreGuts, 276
- SaveGuts, 276
- SetError, 276
- SetStoreMethod, 276
- Show, 276
- StorageName, 276
- storeKindDesc, 277
- storeMethod, 277
- Str, 276
- thisSetStoreMethod, 277
- ToString, 277
- gstorage.cpp, 505
- gstorage.h, 506
  - GENUCHAR\_USU\_BUFSIZE, 506
  - LOG\_ERROR, 506
  - LOG\_INFO, 506
  - LOG\_LOGMAX, 506
  - LOG\_NOCLASS, 506
  - LOG\_NONE, 506
  - LOG\_NOTICE, 506
  - LOG\_WARNING, 507
  - MAX\_INTSTGKIND, 507
  - nil, 507
- gStorageControl, 278
  - ~gStorageControl, 279
  - assertedNr, 280
  - GetService, 279
  - GetServiceDescriptor, 279
  - GetServiceName, 279
  - GetServicePtr, 279
  - gStorageControl, 279
  - IsServiceUsed, 279
  - nServices, 280
  - NumObjs, 279
  - pServReg, 280
  - RegisterService, 279
  - Release, 279
  - Self, 279
  - ServiceAdd, 280
  - ServiceAlloc, 280
  - ServiceDelete, 280
  - StaticAlloc, 280
  - StorageKindName, 280
  - thisFindService, 280
- gStrControl, 281
  - ~gStrControl, 281
  - Compare, 282
  - ConvertBinToStr, 282
  - ConvertHexToUInt32, 282
  - ConvertToInt32, 282
  - ConvertToUInt32, 282
  - DoUseCaseCp, 282
  - Find, 282, 283
  - fReport, 284
  - GetDefaultIsoPage, 283
  - GetFilenameCode, 283
  - GetPathUnicode, 283
  - gStrControl, 282
  - Init, 283
  - InitTab, 283
  - IsDigConvRelaxed, 283
  - IsOkChar, 283
  - lastOpError, 284
  - Match, 283
  - ReturnAndAssignUInt32, 283
  - Self, 283
  - SetConvertRelax, 284
  - tblIanaCountry, 284
  - thisFind, 284
  - thisFindChr, 284
  - thisInit, 284
  - UseCaseCodepage, 284
- gString, 285
  - ~gString, 286
  - AddString, 287
  - Copy, 287
  - CopyFromTo, 287
  - CopyFromToStr, 287
  - Delete, 287
  - Find, 287, 288
  - FindAnyChr, 288
  - FindBack, 288
  - FindExcept, 289
  - gString, 286
  - Insert, 289
  - InsertStr, 289
  - Match, 289

- NewObject, 289
- operator+, 289
- operator+=, 289
- operator=, 289, 290
- RestoreGuts, 290
- SaveGuts, 290
- Show, 290
- thisFind, 290
- thisFindAny, 290
- thisFindBack, 290
- thisFindBackOcc, 290
- thisFindExcept, 290
- thisFindFwd, 290
- thisFindFwdOcc, 291
- thisMatch, 291
- ToString, 291
- Trim, 291
- TrimLeft, 291
- TrimRight, 291
- gstring.cpp, 510
- gstring.h, 511
- gstringext.cpp, 512
- gstringext.h, 513
  - e\_DigConvAny, 514
  - e\_DigConvAnyEmpty0, 514
  - e\_DigConvLower, 514
  - e\_DigConvUpper, 514
  - eDigitConv, 514
  - EXTUMASK\_ISALPHA, 513
  - EXTUMASK\_ISDIGIT, 513
  - EXTUMASK\_ISPRINT, 513
  - EXTUMASK\_ISSPACE, 513
  - SYM\_REFVERS\_UNICODE, 513
  - t\_gCpCode, 514
  - t\_gPageCode, 514
  - t\_gUniPage, 514
  - THB\_MAJOR\_VERSION, 513
  - THB\_MINOR\_VERSION\_APH, 513
  - THB\_VERS\_REVISION, 514
- gStringGeneric, 292
  - ~gStringGeneric, 293
  - Add, 293, 294
  - doRevalidateSize, 298
  - DownString, 294
  - e\_StrAlloc, 293
  - e\_StrDefault, 293
  - e\_StrPreAlloc, 293
  - eStrStrategy, 293
  - GetChar, 294
  - GetUChar, 294
  - gStringGeneric, 293
  - IsEmpty, 294
  - Length, 295
  - MaximumStorageSize, 295
  - maxSize, 298
  - MinimumStorageSize, 295
  - myChrNul, 299
  - operator[], 295
  - preMaxSize, 299
  - Reset, 295
  - RestoreGuts, 295
  - SaveGuts, 295
  - Set, 295, 296
  - SetEmpty, 296
  - size, 299
  - stgy, 299
  - str, 299
  - Str, 296
  - thisCopy, 297
  - thisDelete, 297
  - thisIndex, 297
  - thisIsValidIndex, 298
  - thisPreAllocate, 298
  - thisSize, 298
  - ToString, 298
  - UpString, 298
  - UStr, 298
- gSwitch, 300
  - ~gSwitch, 300
  - gSwitch, 300
  - IsOn, 300
  - SetOn, 300
- gTagCoord, 302
  - ~gTagCoord, 302
  - depth, 303
  - GetTagId, 302
  - gTagCoord, 302
  - IsOk, 303
  - opId, 303
  - Reset, 303
  - SetTagId, 303
  - SetZ, 303
- gTagTree, 304
  - ~gTagTree, 304
  - gTagTree, 304
  - IsOk, 304
  - mCoord, 305
  - myTree, 305
  - Reset, 305
  - sDesc, 305
  - Str, 305
- gTcpConnect, 306
  - ~gTcpConnect, 307
  - Close, 307
  - Connect, 307
  - destAddr, 307
  - destPort, 307
  - gTcpConnect, 306
  - Handle, 307
  - IsOk, 307
  - Show, 307
  - socket, 308
  - String, 307
  - thisConnect, 307
  - ToString, 307
- gtime.cpp, 515
- gtime.h, 516
- gTimer, 309
  - ~gTimer, 310
  - e\_PrecTic, 309

- eTimerPrec, 309
- GetMilisecsFromTics, 310
- GetSecondsFromTics, 310
- gTimer, 309
- Start, 310
- tic, 310
- ticLast, 310
- ticStart, 310
- gTimerTic, 311
- ~gTimerTic, 311
- CpuTics, 311
- GetElapsedMilisec, 312
- GetMilisec, 312
- GetMilisecsDiff, 312
- GetTimeNow, 312
- gTimerTic, 311
- Reset, 312
- thisGetTime, 312
- ticDiff, 312
- timeEnd, 312
- timeStart, 312
- gTimeStamp, 314
- ~gTimeStamp, 314
- gTimeStamp, 314
- IsOk, 314
- iValid, 315
- SetStamp, 314
- SetUInt, 315
- gTop, 316
- ~gTop, 317
- GetNumObjects, 317
- gTop, 317
- nObjHistogram, 317
- stgKind, 317
- gUChar, 318
- ~gUChar, 318
- c, 319
- GetUChar, 318
- gUChar, 318
- MaximumStorageSize, 319
- NewObject, 319
- Reset, 319
- RestoreGuts, 319
- SaveGuts, 319
- SetUChar, 319
- ToString, 319
- gUCharBuffer, 320
- ~gUCharBuffer, 320
- Clear, 320
- Copy, 320
- gUCharBuffer, 320
- size, 320
- Str, 320
- uBuf, 321
- gUInt, 322
- ~gUInt, 322
- c, 323
- GetMaxUInt, 322
- GetUInt, 323
- gUInt, 322
- NewObject, 323
- Reset, 323
- RestoreGuts, 323
- SaveGuts, 323
- SetUInt, 323
- Show, 323
- ToString, 323
- gUINT\_IS\_32bit
- gstdtypes.h, 504
- gUniString, 324
- Add, 325
- ConvertChrFromTo, 325
- CopyFromTo, 325
- Delete, 325
- DownString, 325
- GetHexa, 325
- GetHexa0x, 325
- gUniString, 324, 325
- NewObject, 325
- operator[], 326
- RestoreGuts, 326
- SaveGuts, 326
- Set, 326
- SetEmpty, 326
- Show, 326
- thisUniCopyFromTo, 326
- thisUniDelete, 326
- thisUniUpdate, 326
- ToString, 326
- UpString, 326
- gUnweb, 328
- ~gUnweb, 329
- coordComments, 332
- coordParseErr, 332
- coordSerial, 332
- Dump, 330
- e\_CaseConvDown, 329
- e\_CaseConvUpper, 329
- e\_CaseUnchange, 329
- e\_ShowAll, 329
- e\_ShowNonscript, 329
- e\_ShowScript, 329
- eDumpMask, 329
- eTagCaseChange, 329
- FindStringKey, 330
- firstHtmlErrLNr, 333
- firstHtmlError, 333
- gUnweb, 329
- HasErrors, 330
- HasProcessed, 330
- IsBufferOk, 330
- isVerbose, 333
- IsVerbose, 330
- lastHtmlErrLNr, 333
- lastHtmlError, 333
- nHtmlErrors, 333
- SetChrHtmParsed, 330
- SetTagCaseChange, 330
- SetVerboseStream, 330
- showKind, 333

- Str, 331
- tagCaseCh, 333
- thisAddCmd, 331
- thisAddTxt, 331
- thisConsolidateData, 331
- thisConsolidateDataCoord, 331
- thisCutCommentsInTxt, 331
- thisPostProcess, 331
- thisPreJoin, 331
- thisPreProcess, 332
- thisPreStripComments, 332
- thisStripReplace, 332
- thisStrMove, 332
- thisStrSetParse, 332
- thisTxtCheck, 332
- VerboseStream, 332
- gURI, 334
  - ~gURI, 336
  - e\_Absolute, 335
  - e\_acap, 335
  - e\_afs, 336
  - e\_cid, 335
  - e\_data, 335
  - e\_dav, 335
  - e\_fax, 336
  - e\_file, 335
  - e\_ftp, 335
  - e\_go, 336
  - e\_gopher, 335
  - e\_h323, 336
  - e\_http, 335
  - e\_https, 336
  - e\_im, 336
  - e\_imap, 335
  - e\_invalid, 336
  - e\_ipp, 336
  - e\_ldap, 336
  - e\_mailserver, 336
  - e\_mailto, 335
  - e\_mid, 335
  - e\_modem, 336
  - e\_mqtt, 336
  - e\_mupdate, 336
  - e\_news, 335
  - e\_nfs, 335
  - e\_nntp, 335
  - e\_NoType, 335
  - e\_opaqueLockToken, 335
  - e\_pop, 335
  - e\_pres, 336
  - e\_prospero, 335
  - e\_Relative, 335
  - e\_RelativeQualified, 335
  - e\_RSVD\_reserved, 336
  - e\_rtsp, 335
  - e\_service, 335
  - e\_sip, 336
  - e\_sips, 336
  - e\_soap\_beep, 336
  - e\_soap\_beeps, 336
  - e\_tel, 336
  - e\_telnet, 335
  - e\_tftp, 336
  - e\_tip, 335
  - e\_tn3270, 336
  - e\_urn, 336
  - e\_vemmi, 335
  - e\_wais, 335
  - e\_z39\_50r, 335
  - e\_z39\_50s, 335
  - ePathType, 335
  - eScheme, 335
  - GetDomainStr, 336
  - GetOriginalStr, 336
  - GetPathStr, 337
  - GetPathType, 337
  - GetScheme, 337
  - gURI, 336
  - IsOk, 337
  - IsOkScheme, 337
  - IsValidDomain, 337
  - lastOpError, 338
  - pathType, 338
  - schemeTbl, 338
  - sDomain, 338
  - SetString, 337
  - sOriginal, 338
  - sPath, 338
  - Str, 337
  - thisFetchScheme, 337
  - thisGetSchemeFromString, 337
  - thisParseString, 338
  - thisSetDomainPath, 338
  - thisSetPath, 338
  - xmlrpc\_beep, 336
  - xmlrpc\_beeps, 336
- gURI::sSchemeUse, 340
  - name, 340
  - rfcCode, 340
  - theScheme, 340
- gVector, 341
  - ~gVector, 342
  - GetNumInt, 342
  - gVector, 341, 342
  - IsOk, 342
  - n, 343
  - N, 342
  - operator-, 342
  - operator \*, 342
  - operator!=, 342
  - operator[], 342
  - operator+, 342
  - operator=, 342
  - operator==, 342
  - Release, 343
  - Reset, 343
  - Resize, 343
  - Set, 343
  - Sort, 343
  - Str, 343

- StrFormat, 343
- sVector, 343
- v, 343
- Zero, 343
- gVersion, 345
- ~gVersion, 345
- gVersion, 345
- operator<, 345
- operator>, 346
- SetVersion, 346
- thisSetMajorOrMinor, 346
- vMajor, 346
- vMinor, 346
- gweb.cpp, 517
- gweb.h, 518
  - cCHR\_HTM\_INFO\_DEFAULT, 518
  - cCHR\_HTM\_PARSED\_DEFAULT, 518
  - DBGPRINT\_WEB, 518
- GX\_SIGALRM
  - gfile.h, 456
- GX\_SIGCHLD
  - gfile.h, 456
- GX\_SIGHUP
  - gfile.h, 456
- GX\_SIGINT
  - gfile.h, 457
- GX\_SIGKILL
  - gfile.h, 457
- GX\_SIGPIPE
  - gfile.h, 457
- GX\_SIGQUIT
  - gfile.h, 457
- GX\_SIGSEGV
  - gfile.h, 457
- GX\_SIGTERM
  - gfile.h, 457
- GX\_SIGTRAP
  - gfile.h, 457
- GX\_SIGUSR1
  - gfile.h, 457
- GX\_SIGUSR2
  - gfile.h, 457
- gXHttpCont, 347
  - ~gXHttpCont, 348
  - GetContent, 348
  - GetHeadRefererStr, 348
  - GetHeadUserAgentStr, 348
  - gXHttpCont, 348
  - isContText, 349
  - IsText, 348
  - ReadReplyBin, 348
  - ReadReplyChunked, 348
  - ReadReplyText, 348
  - ReadReplyUnsized, 349
  - sHeadTempStr, 349
  - sHostname, 349
  - strUserAgent, 349
  - thisGetHtmlContrl, 349
  - thisReadChunkSize, 349
- gXHttpGeneric, 350
  - ~gXHttpGeneric, 351
  - AddHead, 351
  - AddHeadStr, 351
  - Connection, 351
  - ConnectionPtr, 351
  - contentBytesRead, 353
  - fRepErr, 353
  - GetBaseBuffer, 351
  - GetBuffer, 352
  - GetContent, 352
  - getHeaderL, 353
  - GetProtocolString, 352
  - GetVersion, 352
  - gXHttpGeneric, 351
  - ioOpErrCode, 353
  - keepAliveMax, 353
  - keepAliveTimeout, 353
  - lReq, 353
  - MiliSecSleep, 352
  - mStat, 353
  - nStat, 353
  - pBuf, 353
  - replyHeader, 354
  - SecSleep, 352
  - SetProtocolVersion, 352
  - strHeaderL, 354
  - thisParseServerReply, 352
  - thisReadHeadReply, 352
  - totalBytesRead, 354
  - vStat, 354
  - WriteHead, 352
- gXHttpReplyHeader, 355
  - ~gXHttpReplyHeader, 355
  - AddLine, 356
  - GetLength, 356
  - GetLine, 356
  - gXHttpReplyHeader, 355
  - htmlCode, 356
  - IsChunked, 356
  - IsCodeNotFound, 356
  - IsCodeRedirect, 356
  - IsText, 356
  - isTransferEncodingChunked, 357
  - kindsL, 357
  - linesL, 357
  - sHtmlCode, 357
  - thisAddLine, 356
- handle
  - sServiceNode, 395
- Handle
  - gNetConnect, 250
  - gSocket, 268
  - gTcpConnect, 307
- handled
  - sSignalTrap, 399
- hasBaseHRef
  - gHParsed, 175
- HasErrors
  - gUnweb, 330
- HashPos

- gKey, 232
- HashStrPos
  - gKey, 232
- HasHtml
  - sUnCodeBin, 412
- hasLineAddRestriction
  - gHInOpt, 161
- HasName
  - sUnCodeSymbol, 416
- HasNodes
  - sServiceRegister, 397
- HasProcessed
  - gUnweb, 330
- HasProxy
  - sOptSnarf, 388
- HasSection
  - gConfig, 22
- hasSections
  - gConfig, 23
- HasSections
  - gConfig, 22
- HasSpecURI
  - sOptSnarf, 388
- HasStat
  - gFileStat, 90
  - gFileSysName, 96
- HasTidy
  - gHOutOpt, 170
- HasTidyAttr
  - gHOutOpt, 170
- HasToSkip
  - gHInOpt, 161
  - gHOutOpt, 170
- hAttrSingle
  - gHATypeGenLst, 134
  - sHAttrType, 376
- hAttrType
  - sHAttrType, 376
- HATYPE\_S32\_INVALID\_VAL
  - gHtmlHATypes.h, 469
- HATYPE\_U32\_INVALID\_VAL
  - gHtmlHATypes.h, 469
- hKey
  - gHashElemGeneric, 105
- hLog
  - gHtmlCtrl, 194
- hour
  - gDateTime, 37
- HTML\_LOG
  - gHtmlCtrl.h, 465
- htmlCode
  - gXHttpRequestHeader, 356
- htmlInput
  - gHtmlParser, 202
- htmlOpt
  - gdOptUnweb, 61
  - gHtmlParser, 202
- hTree
  - gHSeq, 183
- HttpCode
  - gdHttpSnarf, 45
- HttpCodeStr
  - gdHttpSnarf, 45
- iAux
  - gIntCoord, 220
- iContentLength
  - gHttpRequestList, 214
- iCoordStt
  - gHSeq, 183
- idEndTag
  - gHtmlCouple, 191
- idTag
  - gHtmlCouple, 191
  - sAttrNorm, 360
- idxLUniqs
  - sAttrRefer, 362
- idxUniqMax
  - sAttrRefer, 362
- iLine
  - gHtmlCouple, 191
- iLineError
  - gConfig, 23
- in\_addr\_t
  - gnet.h, 501
- Incr
  - gInt, 216
- index
  - sServiceNode, 396
- Init
  - gFileControl, 77
  - gHtmlCtrl, 193
  - gStrControl, 283
- InitCharOnFile
  - gFileControl, 77
- InitTab
  - gStrControl, 283
- inode
  - sFileStat, 372
- inOpt
  - gHtmlOpt, 197
- Insert
  - gString, 289
- InsertStr
  - gString, 289
- internParams
  - gArg, 9
- ioOpErrCode
  - gXHttpRequestGeneric, 353
- IsAnchor
  - gHtmlCouple, 190
- IsAutoNamed
  - sFileStreamCtrl, 374
- isBlank
  - gHATypeFrameTarget, 132
- isBufferOk
  - gFileStream, 94
- IsBufferOk
  - gFileFetch, 82
  - gFileStream, 93
  - gUnweb, 330

- isCharOnFile
  - gFileControl, 79
- IsChunked
  - gXHttpRequestHeader, 356
- IsCodeNotFound
  - gXHttpRequestHeader, 356
- IsCodeRedirect
  - gXHttpRequestHeader, 356
- IsConnected
  - gSocket, 268
- isContText
  - gXHttpCont, 349
- isDeprecated
  - sHtmlElement, 380
- IsDeprecated
  - sAttrDef, 358
  - sHtmlElement, 379
- IsDevice
  - gFile, 73
- IsDigConvRelaxed
  - gStrControl, 283
- isDirectory
  - gFileSysName, 97
- IsDirectory
  - gFileStat, 90
  - gFileSysName, 96
  - sFileStat, 371
- isDirOpened
  - gDirStream, 59
- isdst
  - gDateTime, 37
- isDynamic
  - gBigBuffer, 19
- IsEmpty
  - gHashGeneric, 110
  - gHAttrList, 115
  - gHTree, 209
  - gListGeneric, 243
  - gStringGeneric, 294
- isFetchBufferOk
  - gFileFetch, 84
- isFileChanged
  - gFileStream, 94
  - gFileText, 101
- IsFlat
  - sUnCodeBin, 412
- IsFlatOk
  - sUnCodeBin, 412
- IsFrameset
  - sHtmlElement, 379
- isHandledFStream
  - gFileTemp, 99
- IsLetter
  - sUnCodeSymbol, 417
- IsLetterDowncase
  - sUnCodeSymbol, 417
- IsLetterUppcase
  - sUnCodeSymbol, 417
- IsLinear
  - sTcbBin, 401
- IsLink
  - gFileStat, 90
  - sFileStat, 371
- IsLoose
  - sHtmlElement, 379
- IsNameOk
  - gDirGeneric, 54
- IsNormal
  - sHtmlSymbol, 382
- IsOk
  - gArray, 12
  - gControl, 29
  - gDateTime, 35
  - gdHCouple, 42
  - gdHttpURI, 48
  - gDirGeneric, 54
  - gdTxtCouple, 65
  - gdURI, 67
  - gFile, 73
  - gFileStat, 90
  - gFileSysName, 96
  - gHAttrs, 119
  - gHAType, 125
  - gHATypeSimple, 150
  - gHATypeSimple32, 152
  - gHATypeSimpleU32, 154
  - gHATypeStringSingle, 156
  - gHostAddr, 168
  - gHtmlCouple, 190
  - gHtmlString, 205
  - gIpAddr, 225
  - gKey, 232
  - gSocket, 268
  - gStorage, 275
  - gTagCoord, 303
  - gTagTree, 304
  - gTcpConnect, 307
  - gTimeStamp, 314
  - gURI, 337
  - gVector, 342
  - sCoordText, 367
  - sHtmlSymbol, 382
- IsOkChar
  - gFileControl, 77
  - gStrControl, 283
- IsOkPathname
  - gFileControl, 77
- IsOkScheme
  - gURI, 337
- IsOkStrict
  - gFileControl, 77
- IsOn
  - gSwitch, 300
- IsOpened
  - gDirStream, 58
  - gFile, 73
  - gFileTemp, 99
  - gSocket, 268
  - sFileStreamCtrl, 374
- isOpOk

- gFileStream, 94
- gFileText, 101
- IsServiceUsed
  - gStorageControl, 279
- IsSignaled
  - gFileControl, 77
- IsSkippedTag
  - gHtmlCouple, 190
- IsString
  - gStorage, 275
- IsStrOk
  - gFileSysName, 96
- IsTag
  - gHNode, 166
- IsTagEnd
  - gHtmlCouple, 190
- IsTagSkipped
  - gHOutOpt, 171
- IsTerminated
  - gFileControl, 77
- IsText
  - gHtmlCouple, 190
  - gHttpRequestList, 214
  - gXHttpCont, 348
  - gXHttpReplyHeader, 356
- isTransferEncodingChunked
  - gXHttpReplyHeader, 357
- IsValid
  - gDateDay, 33
  - sFileStat, 372
  - sOptProxy, 385
  - sUnCodeSymbol, 417
- IsValidDomain
  - gdURI, 67
  - gURI, 337
- IsValidIndex
  - gHashGeneric, 110
  - gListGeneric, 243
- IsValue
  - gHAType, 125
  - gHATypeLstVal, 143
  - gHATypeSimple, 150
  - gHATypeSimple32, 152
  - gHATypeSimpleU32, 154
- IsValueAbsolute
  - gHAType, 125
  - gHATypeLength, 140
- isVerbose
  - gUnweb, 333
  - sOptSnarf, 389
- IsVerbose
  - gUnweb, 330
- isVeryVerbose
  - sOptSnarf, 389
- ISyORn
  - gmain.h, 494
- iVal
  - gHashElemTriple, 108
- iValid
  - gTimeStamp, 315
- JoinArrayDown
  - gArray, 12
- JoinArrayRight
  - gArray, 12
- keepAliveMax
  - gXHttpGeneric, 353
- keepAliveTimeout
  - gXHttpGeneric, 353
- keepPos
  - gArg, 9
- keyKind
  - gKey, 233
- kind
  - gStorage, 277
- Kind
  - gStorage, 275
- kindDTD
  - sHtmlElement, 380
- kindsL
  - gXHttpReplyHeader, 357
- kMust
  - gHParsed, 175
- lastErrorMsg
  - gFile, 74
- LastErrorStr
  - gFile, 73
- lastHtmlErrLNr
  - gUnweb, 333
- lastHtmlError
  - gUnweb, 333
- lastOpError
  - gConfig, 23
  - gControl, 30
  - gDateTime, 37
  - gDirGeneric, 55
  - gFile, 74
  - gFileControl, 79
  - gFileStat, 90
  - gHtmlString, 206
  - gStrControl, 284
  - gURI, 338
- lastOpErrorL
  - gFileStat, 90
- lastWarnOpCode
  - gHtmlParser, 202
- lAttrsNorm
  - gHOutOpt, 171
- lCode
  - sCodeToUni, 365
- Length
  - gStringGeneric, 295
- LIB\_VERSION\_GLIB\_MAJOR
  - gmain.h, 494
- LIB\_VERSION\_GLIB\_MINOR
  - gmain.h, 494
- lIdTagOptEnd
  - gHtmlOpt, 197
- linearTbl
  - sTcbBin, 402
- lineSepChrs

- gConfig, 24
- lineSepStrs
  - gConfig, 24
- linesInputL
  - gConfig, 24
- linesL
  - gXHttpRequestHeader, 357
- lineStartCommentL
  - gConfig, 24
- lineStartPos
  - gConfig, 24
- lLineAdd
  - gHInOpt, 161
- lLineSuppress
  - gHInOpt, 161
- lLog
  - gControl, 30
- Log
  - gControl, 29
- LOG\_ERROR
  - gstorage.h, 506
- LOG\_INFO
  - gstorage.h, 506
- LOG\_LOGMAX
  - gstorage.h, 506
- LOG\_NOCLASS
  - gstorage.h, 506
- LOG\_NONE
  - gstorage.h, 506
- LOG\_NOTICE
  - gstorage.h, 506
- LOG\_WARNING
  - gstorage.h, 507
- logBuf
  - gControl, 31
- lOut
  - gHtmlParser, 202
- lParts
  - gHtmlParser, 202
- lReq
  - gXHttpRequestGeneric, 353
- lSkipFSt
  - gHOutOpt, 171
- lSkipStt
  - gHOutOpt, 171
- lSkipTag
  - gHOutOpt, 172
- lst
  - sTidyArray, 404
- LST\_HASH\_SIZE
  - ghash.h, 461
- LST\_HASH\_SIZE\_MIN
  - ghash.h, 461
- lstIdxs
  - gListGeneric, 246
- lstIsAllButEtc
  - sAttrRefer, 362
- lstNorms
  - sAttrsTagNorm, 363
- lstRelated
  - sAttrRefer, 362
- lText
  - gHttpRequestList, 214
- lVal
  - gParamVal, 259
- MainChar
  - gParamElem, 256
- mainChr
  - gParamElem, 256
- mainL
  - sFileKind, 369
- mapHtm
  - sUnCodeBin, 413
- mapTab
  - sUnCodeBin, 414
- mask
  - gIpV4Mask, 228
- Match
  - gList, 238
  - gStrControl, 283
  - gString, 289
- MatchKey
  - gKey, 232
- MatchStorage
  - gKey, 232
- MatchWhere
  - gSmartList, 266
- MAX\_DLINT32
  - gmain.h, 494
- MAX\_DUINT32
  - gmain.h, 495
- MAX\_HTTP\_CHUNK\_SIZE
  - ghttp.h, 484
- MAX\_HTTP\_HUGE\_CHUNK\_SIZE
  - ghttp.h, 484
- MAX\_INT16\_I
  - gmain.h, 495
- MAX\_INTSTGKIND
  - gstorage.h, 507
- MAX\_LONG\_L
  - gmain.h, 495
- MAX\_REAL\_LVAL
  - garg.h, 421
- MAX\_STAMP\_UL
  - gmain.h, 495
- MAX\_U4B\_ULL
  - gmain.h, 495
- MAX\_UINT\_UL
  - gmain.h, 495
- MAX\_UINT16\_U
  - gmain.h, 495
- MaximumStorageSize
  - gControl, 29
  - gElem, 69
  - gFileOut, 87
  - gListGeneric, 243
  - gReal, 264
  - gStorage, 275
  - gStringGeneric, 295
  - gUChar, 319

- maxN
  - sServiceArray, 394
- maxNLines
  - gConfig, 24
  - gFileFetch, 84
- maxNodes
  - gBigBuffer, 19
- maxSize
  - gListGeneric, 246
  - gStringGeneric, 298
- MayEndTag
  - sHtmlElement, 379
- mCoord
  - gTagTree, 305
- me
  - gElem, 70
- members
  - sParamRaw, 392
- microSec
  - sTimeSeconds, 409
- MiliSecSleep
  - gFileControl, 77
  - gXHttpGeneric, 352
- MIN\_DLINT32
  - gmain.h, 495
- MIN\_INT16\_I
  - gmain.h, 495
- MIN\_LONG\_L
  - gmain.h, 495
- MinimumStorageSize
  - gControl, 29
  - gDateDay, 33
  - gFileOut, 87
  - gListGeneric, 243
  - gStorage, 275
  - gStringGeneric, 295
- minimumYear
  - gDateTime, 37
- minu
  - gDateTime, 37
- mode
  - sFileStat, 373
- Mode
  - gFile, 73
- month
  - gDateTime, 38
- mStat
  - gXHttpGeneric, 353
- mTime
  - sFileStat, 373
- myBaseHRef
  - gHtmlParser, 202
- myChrNul
  - gStringGeneric, 299
- myConfig
  - gHOutOpt, 172
  - gHSelConf, 178
- myObj
  - gHashElemGeneric, 105
- myParamVal
  - sParamRaw, 392
- myPort
  - sOptSnarf, 389
- myProto
  - sOptSnarf, 389
- myProxy
  - sOptSnarf, 389
- MySignalHandler
  - gfile.cpp, 454
- myStat
  - gFileSysName, 97
- myTree
  - gTagTree, 305
- myURI
  - sOptSnarf, 389
- n
  - gVector, 343
  - sServiceArray, 394
  - sTidyArray, 404
  - sUnCodeBin, 414
- N
  - gHashGeneric, 110
  - gHAttrList, 116
  - gListGeneric, 243
  - gVector, 342
  - sCoordText, 367
  - sUnCodeBin, 412
- name
  - gFileStat, 90
  - gURI::sSchemeUse, 340
- Name
  - gDirName, 57
  - gDirStream, 59
  - gFileSysName, 96
- NanoSleep
  - gFileControl, 77
- nAttr
  - gHAttrList, 116
- NAttr
  - gHAttrList, 116
- nBitsCIDR
  - gIpV4Mask, 228
- nConf
  - gConfig, 24
- nCoords
  - gHSeq, 183
- NearestInt
  - gIntDegree, 222
- nErrors
  - gControl, 31
- nErrorsOther
  - gHtmlParser, 202
- nErrorsSyntax
  - gHtmlParser, 202
- NewFile
  - gBigBuffer, 18
- NewLine
  - gFileOut, 88
  - sOptSnarf, 388
- NewObject

- gControl, 29
- gDateDay, 33
- gDateTime, 36
- gElem, 69
- gHashGeneric, 110
- gInt, 216
- gIntCoord, 219
- gKey, 232
- gListGeneric, 244
- gParamElem, 256
- gParamVal, 258
- gReal, 264
- gStorage, 276
- gString, 289
- gUChar, 319
- gUInt, 323
- gUniString, 325
- NewType
  - gHAttrs, 119
- next
  - gElem, 70
- nextNode
  - gHNode, 166
- nHtmlErrors
  - gUnweb, 333
- nHtmlTrans
  - sUnCodeBin, 414
- nIdxSectL
  - gConfig, 24
- nil
  - gstorage.h, 507
- nlAttrs
  - sAttrRefer, 362
- nLines
  - gHtmlContent, 187
- NLines
  - gHttpRequestList, 214
- nLinks
  - sFileStat, 373
- nMediumNodes
  - sServiceRegister, 398
- nNodes
  - gBigBuffer, 19
- NoArg
  - gArg, 7
- nObjHistogram
  - gTop, 317
- noSectL
  - gConfig, 24
- nParamDashWordSimple
  - gArg, 9
- nServices
  - gStorageControl, 280
- nStat
  - gXHttpGeneric, 353
  - sOptSnarf, 389
- nSymb
  - sTcbBin, 402
- nTblSymIsoLatin1
  - gHtmlString, 206
- nTblSymUsu
  - gHtmlString, 206
- NumberOfNodes
  - sServiceRegister, 397
- NumberParams
  - gArg, 7
- NumObjs
  - gArrayCollect, 15
  - gStorageControl, 279
- nWarnings
  - gHtmlParser, 202
- oCouple
  - gHtmlCouple, 191
- oErrInvTagWrite
  - gHtmlOpt, 197
- oErrStateAllSuppress
  - gHtmlOpt, 197
- oErrStateSuppress
  - gHtmlOpt, 197
- oIndentLevel1
  - sHOutFormat, 378
- oneCharBuf
  - gStorage, 277
- OnEventTerminate
  - gFileControl, 78
- Open
  - gSocket, 268
- OpenDevice
  - gFile, 73
- OpenToRead
  - gFile, 73
- operator-
  - gArray, 12
  - gVector, 342
- operator \*
  - gArray, 12
  - gVector, 342
- operator!=
  - gArray, 12
  - gVector, 342
- operator[]
  - gArray, 13
  - gListInt, 249
  - gStringGeneric, 295
  - gUniString, 326
  - gVector, 342
- operator|
  - gArray, 13
- operator+
  - gArray, 12
  - gString, 289
  - gVector, 342
- operator+=
  - gString, 289
- operator<
  - gVersion, 345
- operator=
  - gArray, 12
  - gIntCoord, 219
  - gIntDegree, 222

- gIpAddr, 225
- gString, 289, 290
- gVector, 342
- sServiceArray, 394
- sServiceNode, 395
- sServiceRegister, 397
- sTimeSeconds, 409
- operator==
  - gArray, 12
  - gVector, 342
- operator>
  - gVersion, 346
- opId
  - gTagCoord, 303
- opt
  - gArg, 9
- optEnd
  - sHtmlElement, 380
- optStart
  - sHtmlElement, 380
- originalLst
  - gHAttrList, 116
- outFmt
  - gHtmlOpt, 197
- outOpt
  - gHtmlOpt, 197
- OutStream
  - sOptSnarf, 388
- OutStreamWasOpened
  - sOptSnarf, 388
- Overwrite
  - gFile, 73
  - gFileStream, 93
- param
  - gArg, 9
- paramConfig
  - gParamElem, 256
- paramCriteria
  - gParam, 253
- paramFollow
  - sParamRaw, 392
- paramSep
  - sParamRaw, 392
- Parse
  - gHtmlParser, 201
- ParseProxyStr
  - gdHttpURI, 48
- ParserPtr
  - gHtmlCtrl, 193
- Path
  - gdHttpURI, 48
- PathStr
  - gdHttpURI, 48
- pathType
  - gURI, 338
- pAttrAssign
  - gHAttrList, 116
- pAttrSeq
  - sAttrNorm, 360
- pBuf
  - gXHttpGeneric, 353
- pConnection
  - gHttpGeneric, 212
- pCouple
  - gHNode, 166
- pCurrent
  - gListGeneric, 246
- pdir
  - gDirStream, 59
- pElem
  - gHtmlCouple, 191
  - sTidyElem, 406
- pEnd
  - gHTree, 210
  - gListGeneric, 246
- percent
  - gHATypeLength, 141
- Permission
  - sFileStat, 372
- pHStr
  - gHtmlCouple, 191
- pLst
  - gHashGeneric, 111
- pNodes
  - sServiceArray, 394
- Pop
  - gStack, 270
- PopTag
  - gHParsed, 174
- port
  - sOptProxy, 385
- Port
  - gdHttpURI, 48
- posControl
  - sParamRaw, 392
- preMaxSize
  - gListGeneric, 246
  - gStringGeneric, 299
- Prepare
  - sHOutFormat, 377
- prev
  - gElem, 70
- Process
  - gConfig, 22
  - sFileKind, 369
- prog
  - gArg, 9
- Program
  - gArg, 7
- proxy
  - gdHttpURI, 49
- pServReg
  - gStorageControl, 280
- pStart
  - gHTree, 210
  - gListGeneric, 246
- pStorage
  - sServiceNode, 396
- pTagCoords
  - gHSeq, 183

- ptrCouple
  - gdTxtCouple, 65
- ptrFileTemp
  - sTidyFiles, 408
- ptrUnweb
  - sTidyFiles, 408
- pUnweb
  - gHtmlParser, 202
- Push
  - gStack, 271
- PushTag
  - gHParsed, 174
- PushTagOptEnd
  - gHParsed, 174
- pV
  - gArray, 14
- pvalDouble
  - gKey, 233
- pvalStr
  - gKey, 233
- pvalUInt
  - gKey, 233
- Read
  - gFile, 73
  - gFileStream, 93
  - gNetConnect, 250, 251
- ReadBin
  - sUnCodeSymbol, 417
- ReadBuffer
  - gFile, 73
  - gFileStream, 93
- ReadData
  - gFile, 73
- ReadFromFile
  - sTcbBin, 401
  - sUnCodeBin, 413
- ReadFromStream
  - sTcbBin, 401
  - sUnCodeBin, 413
- ReadLine
  - gFileText, 100, 101
  - gNetConnect, 251
- readOctets
  - sOptSnarf, 389
- ReadReplyBin
  - gXHttpCont, 348
- ReadReplyChunked
  - gXHttpCont, 348
- ReadReplyText
  - gXHttpCont, 348
- ReadReplyUnsizeD
  - gXHttpCont, 349
- realVal
  - gParamVal, 259
- refKind
  - sStorageDesc, 400
- refVersLetter
  - sUnCodeSymbol, 417
- RegisterService
  - gStorageControl, 279

- Release
  - gArray, 13
  - gFileControl, 78
  - gStorageControl, 279
  - gVector, 343
  - sServiceArray, 394
  - sTidyArray, 404
- ReleaseAll
  - gArrayCollect, 16
- ReleaseData
  - sServiceRegister, 397
- ReleaseDescriptor
  - sServiceRegister, 398
- ReleaseHash
  - gHtmlCtrl, 193
  - gHtmlParser, 201
- RemoveTemp
  - gFileControl, 78
- repeats
  - gParamVal, 259
- replyHeader
  - gXHttpGeneric, 354
- Report
  - sCoordText, 368
- Reset
  - gArray, 13
  - gControl, 29
  - gDateTime, 36
  - gHAttrList, 116
  - gHAttrs, 119
  - gHAType, 125
  - gHTree, 209
  - gInt, 216
  - gIntCoord, 219
  - gIpAddr, 225
  - gKey, 232
  - gListGeneric, 244
  - gRandom, 261
  - gReal, 264
  - gStorage, 276
  - gStringGeneric, 295
  - gTagCoord, 303
  - gTagTree, 305
  - gTimerTic, 312
  - gUChar, 319
  - gUInt, 323
  - gVector, 343
  - sAttrTagNorm, 363
  - sOptProxy, 385
- ResetLog
  - gControl, 29
- Resize
  - gArray, 13
  - gVector, 343
- RestoreGuts
  - gArg, 7
  - gControl, 30
  - gDateDay, 33
  - gDateTime, 36
  - gDirGeneric, 54

- gElem, 70
- gHash, 103
- gHashGeneric, 110
- gInt, 216
- gList, 238
- gListGeneric, 244
- gReal, 264
- gStorage, 276
- gString, 290
- gStringGeneric, 295
- gUChar, 319
- gUInt, 323
- gUniString, 326
- resultURI
  - sOptSnarf, 389
- ReturnAndAssignUInt32
  - gStrControl, 283
- revisionDate
  - sTcbBin, 402
  - sUnCodeBin, 414
- revisionRef
  - sTcbBin, 402
  - sUnCodeBin, 414
- revReferenceStr
  - sUnCodeBin, 414
- Rewind
  - gFileStream, 93
  - gFileTemp, 99
- rfcCode
  - gURI::sSchemeUse, 340
- rValue
  - gIntDegree, 222
- sAll
  - sFileKind, 370
- sArray
  - gArray, 14
- sAttr
  - gHAttrList, 117
  - sTidyElem, 406
- sAttrDef, 358
  - attrInfo, 358
  - attrName, 358
  - chrDeprecated, 358
  - ctrl, 358
  - IsDeprecated, 358
  - strImplReq, 358
  - strKindDTD, 358
  - strRelatedLst, 358
  - strType, 359
- sAttrNorm, 360
  - idTag, 360
  - pAttrSeq, 360
  - strAttrSeq, 360
- sAttrRefer, 361
  - ~sAttrRefer, 361
  - FindAttr, 361
  - idxLUniqs, 362
  - idxUniqMax, 362
  - lstIsAllButEtc, 362
  - lstRelated, 362
  - nlAttrs, 362
  - sAttrRefer, 361
  - sAttrs, 362
  - sLUniqs, 362
  - sOutHelper, 362
- sAttrs
  - sAttrRefer, 362
- sAttrsTagNorm, 363
  - ~sAttrsTagNorm, 363
  - allTagNorm, 363
  - CopyDefaultAttrNorms, 363
  - lstNorms, 363
  - Reset, 363
  - sAttrsTagNorm, 363
- sAutoName
  - sFileStreamCtrl, 375
- sAuxOut
  - gHAType, 125
- SaveBin
  - sUnCodeSymbol, 417
- SaveGuts
  - gArg, 7
  - gControl, 30
  - gDateDay, 33
  - gDateTime, 36
  - gDirGeneric, 54
  - gElem, 70
  - gHash, 103
  - gHashGeneric, 110
  - gInt, 216
  - gList, 238
  - gListGeneric, 244
  - gReal, 264
  - gStorage, 276
  - gString, 290
  - gStringGeneric, 295
  - gUChar, 319
  - gUInt, 323
  - gUniString, 326
- SaveToFile
  - sUnCodeBin, 413
- SaveToStream
  - sUnCodeBin, 413
- sBaseHRef
  - gHSeq, 183
- sBaseHREF
  - gHtmlOpt, 197
- sBeginLine
  - sHOutFormat, 378
- sBuf
  - sHtmlSymbol, 383
- sCharset
  - sFileKind, 370
- schemeTbl
  - gURI, 338
- sCodeToUni, 365
  - lCode, 365
  - sCodeToUni, 365
  - uniCode, 365
- sConnectHost

- gdHttpURI, 49
- sContentHost
  - gdHttpURI, 49
- sCoordText, 366
  - ~sCoordText, 366
  - Add, 366, 367
  - AddCoord, 367
  - AddCoordToList, 367
  - AddText, 367
  - coordL, 368
  - Delete, 367
  - FindCoordX, 367
  - GetCoord, 367
  - IsOk, 367
  - N, 367
  - Report, 368
  - sCoordText, 366
  - Str, 368
  - textL, 368
- sDesc
  - gHashElemTriple, 108
  - gTagTree, 305
  - sHtmlEntSymbol, 381
- sDescStr
  - sTcbBin, 402
- sDescTag
  - sTcbBin, 402
- sDirName
  - gDirGeneric, 55
- sDomain
  - gURI, 338
- sec
  - gDateTime, 38
  - sTimeSeconds, 409
- SecSleep
  - gFileControl, 78
  - gXHttpGeneric, 352
- sectionSep
  - gConfig, 24
- sectionStartPos
  - gConfig, 24
- sectL
  - gConfig, 25
- seekEnd
  - gFileStream, 94
  - gFileText, 101
- seekPos
  - gFileStream, 94
  - gFileText, 101
- SeekPos
  - gFileStream, 93
- Select
  - gHSelect, 179
- Self
  - gArrayCollect, 16
  - gFileControl, 78
  - gHtmlCtrl, 193
  - gStorageControl, 279
  - gStrControl, 283
- ServiceAdd
  - gStorageControl, 280
- ServiceAlloc
  - gStorageControl, 280
- ServiceDelete
  - gStorageControl, 280
- Set
  - gArray, 13
  - gHAttrList, 116
  - gKey, 232, 233
  - gStringGeneric, 295, 296
  - gUniString, 326
  - gVector, 343
- SetAddr
  - gIpAddr, 225
- SetAddrFromStr
  - gIpAddr, 225
- SetBaseHRef
  - gHSeq, 182
- SetBitsCIDR
  - gIpV4Mask, 228
- SetCaseSense
  - gListGeneric, 244
- SetChrHtmParsed
  - gUnweb, 330
- SetCode
  - sUnCodeSymbol, 417
- SetCompatible
  - sHtmlSymbol, 382
- SetCompatibleZero
  - sHtmlSymbol, 383
- SetConfKind
  - gConfig, 22
- SetConnection
  - gSocket, 268
- SetConvertRelax
  - gStrControl, 284
- SetCouplePtr
  - gHNode, 166
- SetDay
  - gDateDay, 33
- SetDefaultDbgLevel
  - gControl, 30
- SetDeviceReport
  - gFileFetch, 82
- SetDirName
  - gDirName, 57
- SetEmpty
  - gStringGeneric, 296
  - gUniString, 326
- SetError
  - gControl, 30
  - gDateTime, 36
  - gHtmlParser, 201
  - gStorage, 276
- SetFileReport
  - gFileFetch, 82
- SetFromString
  - gHInOpt, 161
- SetHostName
  - gHostAddr, 168

- SetHtmlOpt
  - gHtmlContent, 186
- SetIndentString
  - sHOutFormat, 377
- SetInt
  - gInt, 216
  - gReal, 264
- SetLong
  - gParamVal, 258
- SetModeDOS
  - gFileOut, 88
- SetNL
  - gFileOut, 88
- SetNTables
  - sUnicodeBin, 413
- SetOn
  - gSwitch, 300
- SetOptions
  - gHtmlParser, 201
- SetProtocolVersion
  - gXHttpGeneric, 352
- SetSeed
  - gRandom, 261
- SetSignaled
  - gFileControl, 78
- SetSignaledByStr
  - gFileControl, 78
- SetSmartChr
  - gSmartList, 266
- SetStamp
  - gTimeStamp, 314
- SetStoreMethod
  - gStorage, 276
- SetString
  - gParamVal, 259
  - gURI, 337
- SetTagCaseChange
  - gUnweb, 330
- SetTagId
  - gTagCoord, 303
- SetTimeStamp
  - gDateTime, 36
- SetUChar
  - gUChar, 319
- SetUInt
  - gTimeStamp, 315
  - gUInt, 323
- SetVerboseStream
  - gUnweb, 330
- SetVersion
  - gVersion, 346
  - sUnicodeBin, 413
- SetWarn
  - gHtmlParser, 201
- SetX
  - gIntCoord, 219
- SetY
  - gIntCoord, 219
- SetZ
  - gIntCoord, 220
- gTagCoord, 303
- sFileDumpReply
  - sOptSnarf, 390
- sFileKind, 369
  - ~sFileKind, 369
  - compL, 369
  - mainL, 369
  - Process, 369
  - sAll, 370
  - sCharset, 370
  - sFileKind, 369
  - Show, 369
  - sMain, 370
  - sSub, 370
- sFileName
  - gConfig, 25
- sFileStat, 371
  - AllPermission, 371
  - aTime, 372
  - blocks, 372
  - Copy, 371
  - cTime, 372
  - gid, 372
  - inode, 372
  - IsDirectory, 371
  - IsLink, 371
  - IsValid, 372
  - mode, 373
  - mTime, 373
  - nLinks, 373
  - Permission, 372
  - sFileStat, 371
  - size, 373
  - Size, 372
  - ToDefault, 372
  - uid, 373
  - USize, 372
- sFileStreamCtrl, 374
  - ~sFileStreamCtrl, 374
  - DoClose, 374
  - DoRemove, 374
  - f, 375
  - IsAutoNamed, 374
  - IsOpened, 374
  - sAutoName, 375
  - sFileStreamCtrl, 374
  - sName, 375
- sHAttrType, 376
  - hAttrSingle, 376
  - hAttrType, 376
  - strType, 376
  - typeFamily, 376
- sHeadTempStr
  - gXHttpCont, 349
- shortName
  - sServiceNode, 396
  - sSignalTrap, 399
- sHost
  - sOptProxy, 386
- sHostname

- gXHttpCont, 349
- sHOutFormat, 377
  - ~sHOutFormat, 377
  - cIndentLevel, 378
  - CopyHOutFormat, 377
  - GetBeginLineStr, 377
  - oIndentLevel1, 378
  - Prepare, 377
  - sBeginLine, 378
  - SetIndentString, 377
  - sHOutFormat, 377
- Show
  - gArg, 7
  - gdHCouple, 42
  - gdTxtCouple, 65
  - gHash, 103
  - gHashElemTriple, 107
  - gHAttrs, 119
  - gHostAddr, 168
  - gHOutOpt, 171
  - gHSelConf, 178
  - gHtmlContent, 186
  - gHTree, 209
  - gInt, 216
  - gIntCoord, 220
  - gIpAddr, 225
  - gKey, 233
  - gList, 238
  - gParamVal, 259
  - gReal, 264
  - gStorage, 276
  - gString, 290
  - gTcpConnect, 307
  - gUInt, 323
  - gUniString, 326
  - sFileKind, 369
- Show\_dbg
  - gHtmlParser, 201
- showKind
  - gUnweb, 333
- ShowPart
  - gHSeq, 182
- ShowStats
  - sOptSnarf, 388
- ShowTree
  - gHtmlParser, 201
  - gHTree, 209
- sHtmlCode
  - gXHttpReplyHeader, 357
- sHtmlElement, 379
  - CannotEndTag, 379
  - ctrl, 379
  - DeprecatedLevel, 379
  - elemInfo, 380
  - elemName, 380
  - family, 380
  - isDeprecated, 380
  - IsDeprecated, 379
  - IsFrameset, 379
  - IsLoose, 379
  - kindDTD, 380
  - MayEndTag, 379
  - optEnd, 380
  - optStart, 380
- sHtmlEntSymbol, 381
  - sDesc, 381
  - sName, 381
  - symRef, 381
  - vAscii, 381
- sHtmlSymbol, 382
  - cCompNote, 383
  - GetCompatLevel, 382
  - GetHtmlStr, 382
  - IsNormal, 382
  - IsOk, 382
  - sBuf, 383
  - SetCompatible, 382
  - SetCompatibleZero, 383
  - sHtmlSymbol, 382
  - sTransHtm, 383
- sHtmlUnmap
  - sUnCodeBin, 414
- sIanaCountry2, 384
  - strCountry, 384
  - twoLetter, 384
- sigId
  - sSignalTrap, 399
- SignalHandler
  - gFileControl, 78
- size
  - gHashGeneric, 111
  - gListGeneric, 246
  - gStringGeneric, 299
  - gUCharBuffer, 320
  - sFileStat, 373
- Size
  - gFileStream, 93
  - sFileStat, 372
- sKeepStr
  - gHtmlCouple, 191
- slashChr
  - gDirGeneric, 55
- slashStr
  - gDirGeneric, 55
- sLUniqs
  - sAttrRefer, 362
- sMain
  - sFileKind, 370
- smartChr
  - gSmartList, 266
- sName
  - gFileControl, 79
  - sFileStreamCtrl, 375
  - sHtmlEntSymbol, 381
- SnarfContent
  - gdHttpSnarf, 45
- sNL
  - gFileOut, 88
- sOAttr
  - gHAttrList, 117

- sockCount
  - gSocket, 269
- socket
  - gTcpConnect, 308
- sockKind
  - gSocket, 269
- sOptProxy, 385
  - IsValid, 385
  - port, 385
  - Reset, 385
  - sHost, 386
  - sOptProxy, 385
- sOptSnarf, 387
  - ~sOptSnarf, 387
  - doDosMode, 388
  - doError4NotFound, 388
  - doShowStats, 389
  - doUnweb, 389
  - doView, 389
  - fOut, 389
  - GetInOctets, 388
  - GetProxy, 388
  - GoCmdHttp, 388
  - HasProxy, 388
  - HasSpecURI, 388
  - isVerbose, 389
  - isVeryVerbose, 389
  - myPort, 389
  - myProto, 389
  - myProxy, 389
  - myURI, 389
  - NewLine, 388
  - nStat, 389
  - OutStream, 388
  - OutStreamWasOpened, 388
  - readOctets, 389
  - resultURI, 389
  - sFileDumpReply, 390
  - ShowStats, 388
  - sOptSnarf, 387
  - sOutFileName, 390
  - unwebOpt, 390
  - UnwebOpt, 388
  - vStat, 390
- sOrig
  - gHAType, 125
- sOriginal
  - gURI, 338
- Sort
  - gVector, 343
- sOut
  - gHSeq, 183
- sOutFileName
  - sOptSnarf, 390
- sOutHelper
  - sAttrRefer, 362
- sPad
  - gdURI, 67
- sParamRaw, 391
  - ~sParamRaw, 391
- AddMember, 391
- BuildParamVal, 391
- e\_ParamNextArg, 391
- e\_ParamNoVal, 391
- e\_ParamThisArg, 391
- eParamFollow, 391
- GetParamVal, 392
- members, 392
- myParamVal, 392
- paramFollow, 392
- paramSep, 392
- posControl, 392
- sParamRaw, 391
- sufStr, 392
- sPath
  - gdHttpURI, 49
  - gURI, 338
- sRaw
  - gParamElem, 256
- sReply
  - gdHttpSnarf, 45
- sServiceArray, 393
  - ~sServiceArray, 393
  - Add, 393
  - Allocate, 393
  - Delete, 393
  - FindFreeNode, 393
  - maxN, 394
  - n, 394
  - operator=, 394
  - pNodes, 394
  - Release, 394
  - sServiceArray, 393
- sServiceNode, 395
  - ~sServiceNode, 395
  - Copy, 395
  - Delete, 395
  - handle, 395
  - index, 396
  - operator=, 395
  - pStorage, 396
  - shortName, 396
  - sServiceNode, 395
  - used, 396
- sServiceRegister, 397
  - ~sServiceRegister, 397
  - AllocateNodes, 397
  - data, 398
  - descriptor, 398
  - HasNodes, 397
  - nMediumNodes, 398
  - NumberOfNodes, 397
  - operator=, 397
  - ReleaseData, 397
  - ReleaseDescriptor, 398
  - sServiceRegister, 397
- sSignalTrap, 399
  - handled, 399
  - shortName, 399
  - sigId, 399

- sSmartChr
  - gSmartList, 266
- sStorageDesc, 400
  - descStr, 400
  - refKind, 400
- sStrAux
  - gHtmlOpt, 198
- sStrError
  - gControl, 31
- sSub
  - sFileKind, 370
- sTag
  - gHtmlCouple, 191
- sTagStr
  - gHtmlCouple, 192
- Start
  - gTimer, 310
- StartNode
  - gHTree, 209
- StartPtr
  - gListGeneric, 245
- state
  - gHParsed, 175
- StaticAlloc
  - gStorageControl, 280
- status
  - gFileStat, 91
- statusL
  - gFileStat, 91
- statZero
  - sUnCodeSymbol, 417
- sTcbBin, 401
  - ~sTcbBin, 401
  - bigTbl, 401
  - cLevel, 402
  - cLinearInd, 402
  - cNormRef, 402
  - cpCode, 402
  - IsLinear, 401
  - linearTbl, 402
  - nSymb, 402
  - ReadFromFile, 401
  - ReadFromStream, 401
  - revisionDate, 402
  - revisionRef, 402
  - sDescStr, 402
  - sDescTag, 402
  - sTcbBin, 401
  - verMajor, 402
- sTempName
  - gFileTemp, 99
- STG\_SVC\_IDX\_SOCKET
  - gnet.h, 501
- STG\_SVC\_KND\_SOCKET
  - gnet.h, 501
- stgKind
  - gTop, 317
- stgy
  - gListGeneric, 247
  - gStringGeneric, 299
- sThisVal
  - gHAttrList, 117
- sTidyArray, 404
  - ~sTidyArray, 404
  - Copy, 404
  - doTidyAll, 404
  - lst, 404
  - n, 404
  - Release, 404
  - sTidyArray, 404
- sTidyElem, 406
  - ~sTidyElem, 406
  - AnyAttr, 406
  - Copy, 406
  - pElem, 406
  - sAttr, 406
  - sTidyElem, 406
- sTidyFiles, 408
  - ~sTidyFiles, 408
  - ptrFileTemp, 408
  - ptrUnweb, 408
  - sTidyFiles, 408
- sTimeSeconds, 409
  - Copy, 409
  - GetMiliSecs, 409
  - microSec, 409
  - operator=, 409
  - sec, 409
  - sTimeSeconds, 409
  - ToDefault, 409
- StorageKindName
  - gStorageControl, 280
- StorageName
  - gDateTime, 36
  - gStorage, 276
- storeKindDesc
  - gStorage, 277
- storeMethod
  - gStorage, 277
- str
  - gStringGeneric, 299
- Str
  - gArray, 13
  - gDirName, 57
  - gdSnarfCont, 63
  - gElem, 70
  - gFileFetch, 82
  - gFileSysName, 96
  - gHAttrList, 116
  - gHParsed, 175
  - gHtmlContent, 186
  - gListGeneric, 245
  - gStorage, 276
  - gStringGeneric, 296
  - gTagTree, 305
  - gUCharBuffer, 320
  - gUnweb, 331
  - gURI, 337
  - gVector, 343
  - sCoordText, 368

- sTransHtm
  - sHtmlSymbol, 383
- strAttrSeq
  - sAttrNorm, 360
- strCompat
  - sUnCodeSymbol, 418
- strCountry
  - sIanaCountry2, 384
- Stream
  - gFile, 74
- StrFormat
  - gArray, 13
  - gVector, 343
- strHeaderL
  - gXHttpGeneric, 354
- strImplReq
  - sAttrDef, 358
- String
  - gHostAddr, 168
  - gIpAddr, 225
  - gTcpConnect, 307
- strKindDTD
  - sAttrDef, 358
- strLocale
  - sUnCodeSymbol, 418
- StrMust
  - gHParsed, 175
- strNote
  - sUnCodeSymbol, 418
- strNumber
  - sUnCodeSymbol, 418
- strParamSplit
  - gParam, 253
- strRelatedLst
  - sAttrDef, 358
- strSymNameLen
  - sUnCodeSymbol, 418
- strType
  - sAttrDef, 359
  - sHAttrType, 376
- strUserAgent
  - gXHttpCont, 349
- sufStr
  - gParamVal, 259
  - sParamRaw, 392
- sUName
  - gFileControl, 79
- sUnCodeBin, 411
  - ~sUnCodeBin, 412
  - AllocateSymbols, 412
  - cExtTbl, 413
  - cHtmAsciiStt, 413
  - cUniLevel, 413
  - descStg, 413
  - e\_Desc255Byte, 411
  - e\_Desc40Byte, 411
  - e\_Desc60ByteDef, 411
  - e\_Desc80Byte, 411
  - e\_DescNone, 411
  - eDescStg, 411
  - FindCode, 412
  - GetDescStgChr, 412
  - GetLetterCompat, 412
  - GetMajorVersion, 412
  - HasHtml, 412
  - IsFlat, 412
  - IsFlatOk, 412
  - mapHtm, 413
  - mapTab, 414
  - n, 414
  - N, 412
  - nHtmlTrans, 414
  - ReadFromFile, 413
  - ReadFromStream, 413
  - revisionDate, 414
  - revisionRef, 414
  - revReferenceStr, 414
  - SaveToFile, 413
  - SaveToStream, 413
  - SetNTables, 413
  - SetVersion, 413
  - sHtmlUnmap, 414
  - sUnCodeBin, 412
  - verHtml, 414
  - verMajor, 414
- sUnCodeSymbol, 416
  - ~sUnCodeSymbol, 416
  - cIsOpenClose, 417
  - extEqClose, 417
  - extUtMask, 417
  - HasName, 416
  - IsLetter, 417
  - IsLetterDowncase, 417
  - IsLetterUppcase, 417
  - IsValid, 417
  - ReadBin, 417
  - refVersLetter, 417
  - SaveBin, 417
  - SetCode, 417
  - statZero, 417
  - strCompat, 418
  - strLocale, 418
  - strNote, 418
  - strNumber, 418
  - strSymNameLen, 418
  - sUnCodeSymbol, 416
  - symbolName, 418
  - symBufExt, 418
  - thrLetterStyle, 418
  - twoLetterCat, 418
  - ucCompat, 418
  - ucDown, 418
  - ucUpper, 419
  - ucUpRngExt, 419
  - uniCode, 419
- sUnquoted
  - gHAType, 125
- sVal
  - gParamVal, 260
- sVector

- gVector, 343
- sWholeTag
  - gHtmlCouple, 192
- SYM\_REFVERS\_UNICODE
  - gstringext.h, 513
- symbolName
  - sUnicodeSymbol, 418
- symBufExt
  - sUnicodeSymbol, 418
- symRef
  - sHtmlEntSymbol, 381
- synError
  - gHtmlCouple, 192
- t\_fs\_perm
  - gfilestat.h, 459
- t\_gCpCode
  - gstringext.h, 514
- t\_gIpAddr
  - gnet.h, 501
- t\_gPageCode
  - gstringext.h, 514
- t\_gPort
  - gmain.h, 496
- t\_gTicElapsed
  - gmain.h, 496
- t\_gUniPage
  - gstringext.h, 514
- t\_inode
  - gmain.h, 496
- t\_int16
  - gmain.h, 496
- t\_int32
  - gmain.h, 496
- t\_int8
  - gmain.h, 496
- t\_stamp
  - gmain.h, 496
- t\_uchar
  - gmain.h, 496
- t\_uint16
  - gmain.h, 496
- t\_uint2B
  - gmain.h, 496
- t\_uint32
  - gmain.h, 496
- t\_uint4B
  - gmain.h, 496
- t\_uint64
  - gmain.h, 496
- t\_uint8
  - gmain.h, 497
- tagCaseCh
  - gUnweb, 333
- TagError
  - gHtmlContent, 186
- TagStr
  - gdHCouple, 42
- TagString
  - gHtmlCouple, 190
- tblCalDurMonth
  - gDateTime, 38
- tblIanaCountry
  - gStrControl, 284
- tblStateStr
  - gHParsed, 175
- tblSymIsoLatin1
  - gHtmlString, 206
- tblSymUsu
  - gHtmlString, 206
- tcoord
  - gHtmlCouple, 192
- templ
  - gFileControl, 79
- tempMethod
  - gFileTemp, 99
- textL
  - sCoordText, 368
- THB\_MAJOR\_VERSION
  - gstringext.h, 513
- THB\_MINOR\_VERSION\_APH
  - gstringext.h, 513
- THB\_VERS\_REVISION
  - gstringext.h, 514
- theDocType
  - gHtmlCouple, 192
- theHtmlOpt
  - gHtmlContent, 187
- theScheme
  - gURI::sSchemeUse, 340
- thisAddCmd
  - gUnweb, 331
- thisAddCouple
  - gHtmlContent, 186
- thisAddElem
  - gHash, 103
- thisAddHmtlLine
  - gHtmlContent, 187
- thisAddHtmlTag
  - gHtmlContent, 187
- thisAddHtmlText
  - gHtmlContent, 187
- thisAddIntoList
  - gArrayCollect, 16
- thisAddLine
  - gXHttpReplyHeader, 356
- thisAddLineSup
  - gHInOpt, 161
- thisAddLineSupGTE
  - gHInOpt, 161
- thisAddLineToList
  - gConfig, 22
- thisAddOneParam
  - gArg, 7
- thisAddStatName
  - gDir, 51
- thisAddSystemName
  - gDir, 51
- thisAddTxt
  - gUnweb, 331
- thisAdjustColonStr

- gHttpRequestList, 214
- thisAllNamesOk
  - gDirGeneric, 54
- thisAllocateBuf
  - gBigBuffer, 18
- thisAllocateBuffer
  - gFileStream, 94
- thisAppend
  - gListGeneric, 245
- thisAppendNode
  - gHTree, 209
- thisAppendNormal
  - gHSeq, 182
- thisAppendTree
  - gHSeq, 182
- thisBuild
  - gHSeq, 182
- thisBuildDirStr
  - gDirName, 57
- thisBuildInternParam
  - gArg, 8
- thisCalCheck
  - gDateTime, 36
- thisCheck
  - gHSeq, 182
- thisConfig
  - gHOutOpt, 171
  - gHSelConf, 178
- thisConfigDelete
  - gConfig, 22
- thisConfigInit
  - gConfig, 22
- thisConnect
  - gTcpConnect, 307
- thisConsolidate
  - gHSeq, 182
- thisConsolidateData
  - gUnweb, 331
- thisConsolidateDataCoord
  - gUnweb, 331
- thisConvertFromStamp
  - gDateTime, 36
- thisConvertHToAscii
  - gHtmlString, 205
- thisConvertTo\_libc\_tm
  - gDateTime, 36
- thisConvertToHStringIgnoreAmp
  - gHtmlString, 205
- thisConvertToStamp
  - gDateTime, 36
- thisCopy
  - gStringGeneric, 297
- thisCopyArray
  - gArray, 13
- thisCutCommentsInTxt
  - gUnweb, 331
- thisDateCheck
  - gDateTime, 37
- thisDateTimeCheck
  - gDateTime, 37
- thisDelete
  - gHashGeneric, 110
  - gListGeneric, 245
  - gStringGeneric, 297
- thisFetchScheme
  - gURI, 337
- thisFileStat
  - gFileStat, 90
- thisFillFromUnweb
  - gHtmlParser, 201
- thisFillParamFromChr
  - gArg, 8
- thisFillParamFromStr
  - gArg, 8
- thisFind
  - gList, 238
  - gStrControl, 284
  - gString, 290
- thisFindAny
  - gString, 290
- thisFindBack
  - gString, 290
- thisFindBackOcc
  - gString, 290
- thisFindChr
  - gStrControl, 284
- thisFindExcept
  - gString, 290
- thisFindFwd
  - gString, 290
- thisFindFwdOcc
  - gString, 291
- thisFindKey
  - gHash, 103
- thisFindParamFromChr
  - gArg, 8
- thisFindParamFromStr
  - gArg, 8
- thisFindRememberedBlock
  - gHSeq, 182
- thisFindService
  - gStorageControl, 280
- thisFindSymbolISO
  - gHtmlString, 205
- thisFindTag
  - gHtmlParser, 201
- thisFlushAll
  - gArg, 8
- thisFmtOptions
  - gArray, 13
- thisGetHostByAddr
  - gIpAddr, 225
- thisGetHostByteOrder
  - gIpAddr, 225
- thisGetHtmlContrl
  - gXHttpCont, 349
- thisGetIP
  - gIpAddr, 225
- thisGetRandom
  - gRandom, 262

|                         |                            |
|-------------------------|----------------------------|
| thisGetSchemeFromString | thisPreProcess             |
| gURI, 337               | gUnweb, 332                |
| thisGetTime             | thisPreStripComments       |
| gTimerTic, 312          | gUnweb, 332                |
| thisGetUniqueName       | thisProcess                |
| gFileControl, 78        | gConfig, 22                |
| thisHasTidy             | thisProcessHttpURI         |
| gHOutOpt, 171           | gdHttpURI, 48              |
| thisHasTidyAttr         | thisProcessParamElem       |
| gHOutOpt, 171           | gArg, 8                    |
| thisHasToShow           | thisProgramName            |
| gHInOpt, 161            | gArg, 8                    |
| thisIndex               | thisPush                   |
| gListGeneric, 245       | gHParsed, 175              |
| gStringGeneric, 297     | thisPushCouple             |
| thisInit                | gHParsed, 175              |
| gFileControl, 78        | thisRead                   |
| gStrControl, 284        | gConfig, 23                |
| thisInitCharOnFile      | gFile, 74                  |
| gFileControl, 78        | thisReadAll                |
| thisInitTag             | gFileFetch, 83             |
| gdHCouple, 42           | thisReadChunkSize          |
| thisInitTxtCouple       | gXHttpCont, 349            |
| gdTxtCouple, 65         | thisReadFile               |
| thisInsertElement       | gFileFetch, 83             |
| gHashGeneric, 110       | thisReadFileThrough        |
| thisIsValidIndex        | gFileFetch, 83             |
| gStringGeneric, 298     | thisReadHeadReply          |
| thisKeyMatch            | gXHttpGeneric, 352         |
| gHash, 103              | thisReadStringAsFile       |
| thisLineSubBlock        | gFileFetch, 83             |
| gHSeq, 183              | thisScanDir                |
| thisLineSubBlockCoord   | gDir, 51                   |
| gHSeq, 183              | thisSectionChrStartEnd     |
| thisMatch               | gConfig, 23                |
| gString, 291            | thisSetDomainPath          |
| thisNameOk              | gURI, 338                  |
| gDirGeneric, 54         | thisSetIPfromHostByteOrder |
| thisNewDim              | gIpAddr, 225               |
| gArray, 13              | thisSetIPfromHostEnt       |
| thisNewKind             | gIpAddr, 226               |
| gKey, 233               | thisSetMajorOrMinor        |
| thisOverwrite           | gVersion, 346              |
| gFileTemp, 99           | thisSetNBitsFromMask       |
| thisParse               | gIpV4Mask, 228             |
| gHtmlParser, 201        | thisSetPath                |
| thisParseLine           | gURI, 338                  |
| gConfig, 22             | thisSetStoreMethod         |
| thisParseServerReply    | gStorage, 277              |
| gXHttpGeneric, 352      | thisShowNode               |
| thisParseString         | gHTree, 209                |
| gURI, 338               | thisSize                   |
| thisPostProcess         | gStringGeneric, 298        |
| gUnweb, 331             | thisSplit                  |
| thisPreAllocate         | gParam, 253                |
| gHashGeneric, 111       | thisStatName               |
| gListGeneric, 245       | gFileStat, 90              |
| gStringGeneric, 298     | thisStripReplace           |
| thisPreJoin             | gUnweb, 332                |
| gUnweb, 331             | thisStrMove                |

- gUnweb, 332
- thisStrSetParse
  - gUnweb, 332
- thisStrSymbolAmp
  - gHtmlString, 206
- thisSymbolString
  - gHtmlString, 206
- thisTimeCheck
  - gDateTime, 37
- thisTxtCheck
  - gUnweb, 332
- thisUniCopyFromTo
  - gUniString, 326
- thisUniDelete
  - gUniString, 326
- thisUniUpdate
  - gUniString, 326
- thisUnquotedStr
  - gHAType, 125
- thisValidateValue
  - gHAttrList, 116
- thrLetterStyle
  - sUnCodeSymbol, 418
- tic
  - gTimer, 310
- ticDiff
  - gTimerTic, 312
- ticLast
  - gTimer, 310
- ticStart
  - gTimer, 310
- timeEnd
  - gTimerTic, 312
- timeStart
  - gTimerTic, 312
- tmpPath
  - gFileControl, 79
- tmpPrefix
  - gFileControl, 80
- tmpSuffix
  - gFileControl, 80
- TO\_UD2
  - gmain.h, 495
- TO\_UD4
  - gmain.h, 495
- ToDefault
  - sFileStat, 372
  - sTimeSeconds, 409
- ToString
  - gArg, 8
  - gControl, 30
  - gDateTime, 37
  - gDirGeneric, 54
  - gDirName, 57
  - gElem, 70
  - gHash, 104
  - gHashGeneric, 111
  - gInt, 216
  - gIntCoord, 220
  - gIpAddr, 226
  - gKey, 233
  - gList, 238
  - gListGeneric, 245
  - gParamVal, 259
  - gReal, 264
  - gStorage, 277
  - gString, 291
  - gStringGeneric, 298
  - gTcpConnect, 307
  - gUChar, 319
  - gUInt, 323
  - gUniString, 326
- totalBytesRead
  - gXHttpGeneric, 354
- Transpose
  - gArray, 14
- TransposeMe
  - gArray, 14
- TrashLast
  - gHParsed, 175
- Trim
  - gString, 291
- TrimLeft
  - gString, 291
- TrimRight
  - gString, 291
- true
  - gmain.h, 496
- tSub
  - gHNode, 166
- twoLetter
  - sIanaCountry2, 384
- twoLetterCat
  - sUnCodeSymbol, 418
- TypeEnumToSmartL
  - gHAttrs, 119
- typeFamily
  - sHAttrType, 376
- typeld
  - gHAType, 126
- TypeName2HAttrType
  - gHAttrs, 119
- uBuf
  - gUCharBuffer, 321
- UBuffer
  - gdHttpSnarf, 45
  - gFileStream, 94
- ucCompat
  - sUnCodeSymbol, 418
- ucDown
  - sUnCodeSymbol, 418
- ucUpper
  - sUnCodeSymbol, 419
- ucUpRngExt
  - sUnCodeSymbol, 419
- uid
  - sFileStat, 373
- uniCode
  - sCodeToUni, 365
  - sUnCodeSymbol, 419

- Unquote
  - gHAType, 125
- unwebOpt
  - sOptSnarf, 390
- UnwebOpt
  - sOptSnarf, 388
- UpCaseAttributes
  - gHtmlContent, 187
- Update
  - gdURI, 67
  - gFileStat, 90
- uPort
  - gdHttpURI, 49
- UpString
  - gStringGeneric, 298
  - gUniString, 326
- uRange
  - gRandom, 262
- UseCaseCodepage
  - gStrControl, 284
- used
  - sServiceNode, 396
- usedSize
  - gBigBuffer, 19
  - gdHttpSnarf, 45
- userId
  - gFileControl, 80
- USize
  - sFileStat, 372
- UStr
  - gListGeneric, 246
  - gStringGeneric, 298
- v
  - gHATypeSimple, 150
  - gVector, 343
- ValidateValue
  - gHAttrList, 116
- valuePtr
  - gHAttrValue, 122
- vAscii
  - sHtmlEntSymbol, 381
- VerboseStream
  - gUnweb, 332
- verHtml
  - sUnCodeBin, 414
- verMajor
  - sTcbBin, 402
  - sUnCodeBin, 414
- vLineGTE
  - gHInOpt, 161
- vLineLTE
  - gHInOpt, 162
- vLineSupGTE
  - gHInOpt, 162
- vLineSupLTE
  - gHInOpt, 162
- vMajor
  - gVersion, 346
- vMinor
  - gVersion, 346
- vS32
  - gHATypeSimple32, 152
- vStat
  - gXHttpGeneric, 354
  - sOptSnarf, 390
- vTblSymIsoL1Max
  - gHtmlString, 206
- vTblSymIsoL1Min
  - gHtmlString, 207
- vTblSymUsuMin
  - gHtmlString, 207
- vU32
  - gHATypeSimpleU32, 154
- wday
  - gDateTime, 38
- Write
  - gFileControl, 79
  - gNetConnect, 251
- WriteBuf
  - gBigBuffer, 19
- WriteHead
  - gXHttpGeneric, 352
- XH\_ENDTAG
  - gHtmlParser.h, 476
- XH\_IDTAG\_ANCHOR
  - gHtmlParser.h, 476
- XH\_IDTAG\_BASE
  - gHtmlParser.h, 476
- XH\_IDTAG\_BODY
  - gHtmlParser.h, 476
- XH\_IDTAG\_FONTx
  - gHtmlParser.h, 477
- XH\_IDTAG\_H1
  - gHtmlParser.h, 477
- XH\_IDTAG\_HEAD
  - gHtmlParser.h, 477
- XH\_IDTAG\_HL
  - gHtmlParser.h, 477
- XH\_IDTAG\_HTML
  - gHtmlParser.h, 477
- XH\_IDTAG\_IMG
  - gHtmlParser.h, 477
- XH\_IDTAG\_TABLEx
  - gHtmlParser.h, 477
- XH\_NOTAG
  - gHtmlParser.h, 477
- XH\_SKIP\_ATTR
  - gHtmlParser.h, 477
- XH\_SKIP\_TAG
  - gHtmlParser.h, 477
- XH\_SKIP\_TAG\_FORCE
  - gHtmlParser.h, 477
- XH\_TBL\_TAG\_OPTEND
  - gHtmlParser.h, 478
- XH\_TBL\_TAG\_OPTEND\_CFG
  - gHtmlParser.h, 478
- xmlrpc\_beep
  - gURI, 336
- xmlrpc\_beeps
  - gURI, 336

- y
  - gIntCoord, 220
- yday
  - gDateTime, 38
- year
  - gDateTime, 38
- z
  - gIntCoord, 220
- Zero
  - gArray, 14
  - gVector, 343

<void>