

xrefconvert.doc

COLLABORATORS

	TITLE : xrefconvert.doc		
ACTION	NAME	DATE	SIGNATURE
WRITTEN BY		July 22, 2024	

REVISION HISTORY

NUMBER	DATE	DESCRIPTION	NAME

Contents

1	xrefconvert.doc	1
1.1	xrefconvert.doc	1

Chapter 1

xrefconvert.doc

1.1 xrefconvert.doc

XRef-Tools/XRefConvert

XRef-Tools/XRefConvert

\$VER: xrefconvert.doc 1.14 (03.11.94)

NAME

XRefConvert - converts autodoc or header files to AmigaGuide files

TEMPLATE

FORM/M/A, TO/A, KEYWORDFILE/K, EXCEPTIONFILE/K, STDDELIMITERS/K,
EXCLUDETYPES/K, INCLUDETYPES/K, INDENT/N/K, TOOLPRI/N/K, NOICON/S,
NOAMIGAGUIDE/S, NOMAINPAGELINK/S, STATISTIC/S, V40/S, VERBOSE/S

FORMAT

XRefConvert [FROM] file|dir [file2|dir2] [TO] dir [CATEGORY categories]
[KEYWORDFILE keyworddef] [EXCEPTIONFILE exceptdef]
[STDDELIMITERS string] [EXCLUDETYPES types]
[INCLUDETYPES types] [INDENT number] [TOOLPRI priority]
[NOICON] [NOAMIGAGUIDE] [NOMAINPAGELINK] [STATISTIC] [V40]
[VERBOSE]

FUNCTION

Files:

converts a C header file or a autodoc file in a AmigaGuide file. Which type a given file is, is determined by the suffix of the filename :

- ".h" for a C header file
- ".doc" or ".dok" for a doc file and
- these suffix with the "TABLE OF CONTENTS" for an autodoc file

If the switch NOAMIGAGUIDE is on, XRefConvert will generate the appropriate files with out the headers for an AmigaGuide file. If this is not turned on, it generates an AmigaGuide file. Thus you can use the keyword format feature also to convert to AmigaGuide or to convert in normal ASCII format.

Delimiters:

This tool separates words by using of a delimiter-string. The default string is " \t\n,<=&(){}\".:;*|!". Any of these charaters terminates a word. You can specify an other delimiter string by using of the STDDELIMITERS option for the command.

Keyword file:

To specify keywords you must pass a keyword file, which contains keyword definitions (see KEYWORDFILE option). XRefConvert loads first the "Sys:config/xref/keywords" file if it exists. After this it loads the specified keywordfile or it looks for a "keywords" file in the current directory.

Icon:

XRefConvert will use the ENV:sys/def_guide.info icon for each generated AmigaGuide database. If this icon doesn't exist it uses a internal icon.

INPUTS

FROM (STRINGS) - specifies input files and/or directories

TO (STRING) - specifies the output directory, in which the generated directories/files are placed.

CATEGORY (STRING) - category pattern to use for conversion. Only xreffiles are parsed, which matches this category pattern.

KEYWORDFILE (STRING) - file, which contains keyword definitions to substitute such keywords.

The file must have the following format :

- First the file format is ASCII-text, which is line orientated. Each line is parsed via ReadArgs() function of the dos.library with the following template :

```
KEYWORD/K/A,SUBSTITUTE/K/A,DELIMITERS/K,NEXTWORD/S
```

if a line matches these template it will be stored and used by the conversion.

the format of line is (note in the file, it must be one line !!!) :

```
KEYWORD keyword SUBSTITUTE substitute-string [DELIMITERS string] \
[NEXTWORD]
```

KEYWORD (STRING) - specifies the word to search for, if this is AUTODOC, the substitute string is used to substitute all words, which matches a AutoDoc description word (f.e. : "NAME", "SYNOPSIS",...). To detect such words it must match the following : first in the line there can be

```
INDENT - 2 < n < INDENT + 2
```

n spaces, then the word must follow in uppercase letters and after this must be a newline !

SUBSTITUTE (STRING) - specifies the string to replace the keyword in the generated file a "%s" in this string inserts the keyword itself (just one time for now).

DELIMITERS (STRING) - specifies the delimiters for the next word.

This string is only valid if the NEXTWORD switch is turned on.

NEXTWORD (BOOLEAN) - indicates, that the next word should be replaced, instead of the keyword. If you also specify the DELIMITERS, the end of the next word is defined by any character in this string.

For the V40 option there exists a special keywordfile named keywords.v40 in the config directory. In this file you can specify,

which text passages are wrapped and which not, using the new smartwrap function. If you want a text passage be wrapped define a KEYWORD with the description title like "FUNCTION" and use the "@{mtext %s}" macro as the SUBSTITUTE string. Thus this text passage should be smartwrapped (See also the default keywords.v40 file) !

EXCEPTIONFILE (STRING) - file, which contain names that are only linked, if a "()" is at the end of the name, see AD2AG. Each line has only one name. The default is \$XREFCONFIGDIR/exceptions .

STDDELIMITERS (STRING) - string, which defines the delimiters characters the default is : " \t\n,<=&(){}\".:;*|!"

EXCLUDETYPES (STRING) - string, which defines the entrytypes that aren't used during conversion. With this option you can subpress links to the specified types. Each type in this string is separated by an '|' character. For example you don't want links to typedef's and macro's. Then you have to specify this : EXCLUDETYPES "typedef|macro" ! Types available for this option : "generic", "function", "command", "include", "macro", "struct", "field", "typedef", "define" ! Default is "".

INCLUDETYPES (STRING) - string , which defines the entrytypes that are only used during conversion. See EXCLUDETYPES for string format and available types.

INDENT (NUMBER) - number of spaces, which are inserted before an AutoDoc description word (see KEYWORDFILE/KEYWORD above).

PRI (NUMBER) - task priority to use during converting

NOAMIGAGUIDE (BOOLEAN) - indicates, that shouldn't create AmigaGuide headers for each file

NOICON (BOOLEAN) - don't save an icon for the generated amigaguide file

NOMAINPAGELINK (BOOLEAN) - don't generate a TABLE OF CONTENTS link to the xref.library dynamic node main page.

STATISTIC (BOOLEAN) - outputs statistics about the generated links to each type of entries. Such as include's or functions.

V40 (BOOLEAN) - generate amigaguide files for use with amigaguide.datatype V40 or higher. This generates databases, which uses the smartwrap option of the V40 version. This option works only with files in the autodoc format and perhaps not with all files of this fileformat. So convert and take a look at the generated files ! If this option is specified XRefConvert tries to load also the file "Sys:config/xref/keywords.v40" , in which the keywords are defined to use smartwrap !

VERBOSE (BOOLEAN) - output informations of the current conversion state

EXAMPLE

```
XRefConvert include:amiga/ aguide:include/ KEYWORDFILE s:mykeywords \
AMIGAGUIDE VERBOSE
```

SEE ALSO

MakeXRef, LoadXRef, ParseXRef, AGuideXRefV37, AGuideXRefV39, StatXRef, XRefAttrs, MakeAGuideIndex

COPYRIGHT

(C) by Stefan Ruppert 1994

HISTORY

XRefConvert 1.14 (3.11.94) :

- default icon name now correct "Env:Sys/def_guide"
- time calculation now correct

XRefConvert 1.13 (11.9.94) :

- workbench support added
- status window, if started from workbench added

XRefConvert 1.12 (3.9.94) :

- now gets the nodename from the entry with ENTRYA_NodeName

XRefConvert 1.11 (31.8.94) :

- added V40 option

XRefConvert 1.10 (29.8.94) :

- unix manpage support added

XRefConvert 1.9 (27.8.94) :

- main node title shows now the relative path instead of the first path part
- uses now XREFA_CategoryParsed if a category is specified. This speeds up the conversion.
- for AutoDoc TOC uses now the columns from the xref.library

XRefConvert 1.8 (23.7.94) :

- added EXCLUDETYPES,INCLUDETYPES option

XRefConvert 1.7 (22.7.94) :

- some bug fixed.
- now can handle <entry>/<entry> pairs
- the InternXRef list wasn't free'd after conversion of a file (this slowed down the conversion of more than one file per call). This is fixed and some optimizations by stepping through the list.
- New statistic display
- PRI option added

XRefConvert 1.6 (17.7.94) :

- now it supports amigaguide files to convert ! It tries to link all internal @node titles in the text to the node. And links all found xref entries.
- the point is now a special delimiter ! The following sequences are now interpreted as a delimiter ". ", ".\0", ". ", ".\n" !
- category pattern added

XRefConvert 1.5 (13.7.94) :

- now tries to set the index array for each xreffile to get the best performance (then it uses a binary search algorithm)

XRefConvert 1.4 (11.6.94) :

- `'::','-',';','*'` added to STDDELIMITERS default string
- now tries to load "Sys:config/xref/keywords" every time and then tries to load the specified keyword file. If no one is specified tries to load the "keywords" file in the current directory.
- save icon bug fixed , if the source file had an unknown type the icon was saved even though. This is fixed.
- All structures , which have equal autodoc beginnings like , Window struct "Window" * -> "Window"ToFront() aren't linked. This is fixed!

XRefConvert 1.3 (29.5.94) :

- INDENT option added