

NAME

xsltproc - command line XSLT processor

SYNOPSIS

```
xsltproc [[-V | --version] [-v | --verbose] [{-o | --output} {FILE | DIRECTORY}] | --timing | --repeat |
--debug | --novalid | --noout | --maxdepth VALUE | --maxvars VALUE |
--maxparserdepth VALUE | --huge | --seed-rand VALUE | --html |
--encoding ENCODING | --param PARAMNAME PARAMVALUE |
--stringparam PARAMNAME PARAMVALUE | --nonet | --path "PATH(S)" |
--load-trace | --catalogs | --xinclude | --xincludestyle | [--profile | --norman] |
--dumpextensions | --nowrite | --nomkdir | --writesubtree PATH | --nodtdattr]
[STYLESHEET] {XML-FILE... | -}
```

DESCRIPTION

xsltproc is a command line tool for applying XSLT stylesheets to XML documents. It is part of **libxslt(3)**, the XSLT C library for GNOME. While it was developed as part of the GNOME project, it can operate independently of the GNOME desktop.

xsltproc is invoked from the command line with the name of the stylesheet to be used followed by the name of the file or files to which the stylesheet is to be applied. It will use the standard input if a filename provided is - .

If a stylesheet is included in an XML document with a Stylesheet Processing Instruction, no stylesheet need to be named at the command line. **xsltproc** will automatically detect the included stylesheet and use it.

By default, output is to stdout. You can specify a file for output using the **-o** or **--output** option.

OPTIONS

xsltproc accepts the following options (in alphabetical order):

--catalogs

Use the SGML catalog specified in **SGML_CATALOG_FILES** to resolve the location of external entities. By default, **xsltproc** looks for the catalog specified in **XML_CATALOG_FILES**. If that is not specified, it uses `/etc/xml/catalog`.

--debug

Output an XML tree of the transformed document for debugging purposes.

--dumpextensions

Dumps the list of all registered extensions on stdout.

--html

The input document is an HTML file.

--load-trace

Display all the documents loaded during the processing to stderr.

--maxdepth *VALUE*

Adjust the maximum depth of the template stack before **libxslt(3)** concludes it is in an infinite loop. The default is 3000.

--maxvars *VALUE*

Maximum number of variables. The default is 15000.

--maxparserdepth *VALUE*

Maximum element nesting level of parsed XML documents. The default is 256.

--huge

Relax hardcoded limits of the XML parser by setting the XML_PARSE_HUGE parser option.

--seed-rand *VALUE*

Initialize pseudo random number generator with specific seed.

--nodtdattr

Do not apply default attributes from the document's DTD.

--nomkdir

Refuses to create directories.

--nonet

Do not use the Internet to fetch DTDs, entities or documents.

--noout

Do not output the result.

--novalid

Skip loading the document's DTD.

--nowrite

Refuses to write to any file or resource.

-o or **--output** *FILE* | *DIRECTORY*

Direct output to the given *FILE*. Using the option with a *DIRECTORY* directs the output files to the specified directory. This can be useful for multiple outputs (also known as "chunking") or manpage processing.

Important

The given directory **must** already exist.

Note

Make sure that *FILE* and *DIRECTORY* follow the "URI reference computation" as described in RFC 2396 and later. This means, that e.g. **-o directory** will maybe not work, but **-o directory/** will.

--encoding *ENCODING*

Allow to specify the encoding for the input.

--param *PARAMNAME* *PARAMVALUE*

Pass a parameter of name *PARAMNAME* and value *PARAMVALUE* to the stylesheet. You may pass multiple name/value pairs up to a maximum of 32. If the value being passed is a string, you can use **--stringparam** instead, to avoid additional quote characters that appear in string expressions. Note: the XPath expression must be UTF-8 encoded.

--path "*PATH(S)*"

Use the (space- or colon-separated) list of filesystem paths specified by *PATHS* to load DTDs, entities or documents. Enclose space-separated lists by quotation marks.

--profile or **--norman**

Output profiling information detailing the amount of time spent in each part of the stylesheet. This is useful in optimizing stylesheet performance.

--repeat

Run the transformation 20 times. Used for timing tests.

--stringparam *PARAMNAME* *PARAMVALUE*

Pass a parameter of name *PARAMNAME* and value *PARAMVALUE* where *PARAMVALUE* is a string rather than a node identifier. **Note:** The string must be UTF-8 encoded.

--timing

Display the time used for parsing the stylesheet, parsing the document and applying the stylesheet and saving the result. Displayed in milliseconds.

-v or **--verbose**

Output each step taken by **xsltproc** in processing the stylesheet and the document.

-V or **--version**

Show the version of **libxml(3)** and **libxslt(3)** used.

--writesubtree *PATH*

Allow file write only within the *PATH* subtree.

--xinclude

Process the input document using the XInclude specification. More details on this can be found in the XInclude specification: <http://www.w3.org/TR/xinclude/>

--xincludestyle

Process the stylesheet with XInclude.

ENVIRONMENT

SGML_CATALOG_FILES

SGML catalog behavior can be changed by redirecting queries to the user's own set of catalogs. This can be done by setting the **SGML_CATALOG_FILES** environment variable to a list of catalogs. An empty one should deactivate loading the default `/etc/sgml/catalog` catalog.

XML_CATALOG_FILES

XML catalog behavior can be changed by redirecting queries to the user's own set of catalogs. This can be done by setting the **XML_CATALOG_FILES** environment variable to a list of catalogs. An empty one should deactivate loading the default `/etc/xml/catalog` catalog.

DIAGNOSTICS

xsltproc return codes provide information that can be used when calling it from scripts.

0

No error (normal operation)

1

No argument

2

- Too many parameters
- 3**
Unknown option
- 4**
Failed to parse the stylesheet
- 5**
Error in the stylesheet
- 6**
Error in one of the documents
- 7**
Unsupported xsl:output method
- 8**
String parameter contains both quote and double-quotes
- 9**
Internal processing error
- 10**
Processing was stopped by a terminating message
- 11**
Could not write the result to the output file

SEE ALSO

libxml(3), **libxslt(3)**

More information can be found at

⊕

web page <https://gitlab.gnome.org/GNOME/libxslt>

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XSLT page <http://www.w3.org/TR/xslt>

AUTHOR

John Fleck <jfleck@inkstain.net>

Author.

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