

xmlcatalog

## Name

xmlcatalog – Command line tool to parse and manipulate XML or SGML catalog files.

xmlcatalog

```
xmlcatalog [--shell] | [--create] | [--add type orig replace] | [--del values] | [--noout] | [--verbose]]  
[catalogfile] [entities]
```

## Introduction

xmlcatalog is a command line application allowing users to monitor and manipulate XML and SGML catalogs. It is included in libxml2.

Its functions can be invoked from a single command from the command line, or it can perform multiple functions in interactive mode. It can operate on both XML and SGML files.

## Command Line Options

`--shell filename`

Run a shell allowing interactive queries on catalog file *filename*.

`--create filename`

Create a new XML catalog. Outputs to stdout, ignoring *filename* unless `--noout` is used, in which case it creates a new catalog file *filename*.

`--add 'type' 'orig' 'replace' filename`

Add an entry to catalog file *filename*. *type* indicates the type of entry. Possible types are 'public', 'system', 'rewriteSystem', 'rewriteURI', 'delegatePublic', 'delegateSystem', and 'nextCatalog'. '*orig*' is the original reference to be replaced, and '*replace*' is the URI of the replacement entity to be used. The `--add` option will not overwrite *filename*, outputting to stdout, unless `--noout` is used. The `--add` will always take three parameters even if some of the XML catalog constructs will have only a single argument.

If the `--add` option is used following the `--sgml` option, only a single argument, a *filename*, is used. This is used to add the name of a catalog file to an SGML supercatalog, a file that contains references to other included SGML catalog files.

`--del 'values' filename`

Remove entries from the catalog file *filename* matching '*values*'. The `--del` option will not overwrite *filename*, outputting to stdout, unless `--noout` is used.

`--noout`

Save output to the named file rather than outputting to stdout.

`--sgml`

Uses SGML Super catalogs for `--add` and `--del` options

`-v` or `--verbose`

output debugging information.

## Shell Commands

Invoking `xmlcatalog` with the `--shell filename` option opens a command line shell allowing interactive access to the catalog file identified by `filename`. Invoking the shell provides a command line prompt after which commands can be entered.

`public 'PublicID'`

Execute a public identifier lookup of the catalog entry for `'PublicID'`. The corresponding entry will be output to the command line.

`system 'SystemID'`

Execute a public identifier lookup of the catalog entry for `'SystemID'`. The corresponding entry will be output to the command line.

`add 'type' 'orig' 'replace'`

Add an entry to the catalog file. `type` indicates the type of entry. Possible types are `'public'`, `'system'`, `'rewriteSystem'`, `'rewriteURI'`, `'delegatePublic'`, `'delegateSystem'`, and `'nextCatalog'`. `'orig'` is the original reference to be replaced, and `'replace'` is the URI of the replacement entity to be used.

`del 'values'`

Remove the catalog entry corresponding to `'values'`.

`dump`

Print the current catalog.

`debug`

Print debugging statements showing the steps `xmlcatalog` is executing.

`quiet`

Stop printing debugging statements.

`exit`

Quit the shell.

## Return values

`xmlcatalog`'s return codes provide information that can be used when calling it from scripts.

0: normal

1: Failed to remove an entry from the catalog

2: Failed to save to the catalog, check file permissions

3: Failed to add an entry to the catalog

4: Failed to lookup and entry in the catalog

## Catalogs

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` default catalog.

## References

libxml web page [<http://www.xmlsoft.org/>]

libxml catalog support web page [<http://www.xmlsoft.org/catalog.html>]

James Clark's SGML catalog page [<http://www.jclark.com/sp/catalog.htm>]

OASIS XML catalog specification [<http://www.oasis-open.org/committees/entity/spec.html>]

