

Beyond Linux[®] From Scratch - Version 6.3

Chapter 42. Extensible Markup Language (XML)

[Prev](#)Extensible Markup Language
(XML)[Up](#)
[Home](#)[Next](#)

DocBook XSL Stylesheets-1.71.1

DocBook XML DTD-4.5

Introduction to DocBook XML DTD

The DocBook XML DTD-4.5 package contains document type definitions for verification of XML data files against the DocBook rule set. These are useful for structuring books and software documentation to a standard allowing you to utilize transformations already written for that standard.

Package Information

- Download (HTTP): <http://www.docbook.org/xml/4.5/docbook-xml-4.5.zip>
- Download (FTP): <ftp://ftp.linux.ee/pub/gentoo/distfiles/distfiles/docbook-xml-4.5.zip>
- Download MD5 sum: 03083e288e87a7e829e437358da7ef9e
- Download size: 96 KB
- Estimated disk space required: 1.2 MB
- Estimated build time: less than 0.1 SBU

DocBook XML DTD Dependencies

Required

[libxml2-2.6.31](#) and [UnZip-5.52](#)

User Notes: <http://wiki.linuxfromscratch.org/blfs/wiki/docbook>

Installation of DocBook XML DTD



Note

The package source is distributed in zip format and requires `unzip`. You should create a directory and change to that directory before unzipping the file to ease the removal of the source files after the package has been installed.

Install DocBook XML DTD by running the following commands as the *root* user:

```
install -v -d -m755 /usr/share/xml/docbook/xml-dtd-4.5 &&
install -v -d -m755 /etc/xml &&
chown -R root:root . &&
cp -v -af docbook.cat *.dtd ent/ *.mod \
    /usr/share/xml/docbook/xml-dtd-4.5
```

Create (or update) and populate the `/etc/xml/docbook` catalog file by running the following commands as the *root* user:

```
if [ ! -e /etc/xml/docbook ]; then
    xmlcatalog --noout --create /etc/xml/docbook
fi &&
xmlcatalog --noout --add "public" \
    "-//OASIS//DTD DocBook XML V4.5//EN" \
    "http://www.oasis-open.org/docbook/xml/4.5/docbookx.dtd" \
    /etc/xml/docbook &&
xmlcatalog --noout --add "public" \
    "-//OASIS//DTD DocBook XML CALS Table Model V4.5//EN" \
    "file:///usr/share/xml/docbook/xml-dtd-4.5/calstblx.dtd" \
    /etc/xml/docbook &&
xmlcatalog --noout --add "public" \
    "-//OASIS//DTD XML Exchange Table Model 19990315//EN" \
    "file:///usr/share/xml/docbook/xml-dtd-4.5/soextblx.dtd" \
    /etc/xml/docbook &&
xmlcatalog --noout --add "public" \
    "-//OASIS//ELEMENTS DocBook XML Information Pool V4.5//EN" \
    "file:///usr/share/xml/docbook/xml-dtd-4.5/dbpoolx.mod" \
    /etc/xml/docbook &&
xmlcatalog --noout --add "public" \
    "-//OASIS//ELEMENTS DocBook XML Document Hierarchy V4.5//EN" \
    "file:///usr/share/xml/docbook/xml-dtd-4.5/dbhierx.mod" \
    /etc/xml/docbook &&
xmlcatalog --noout --add "public" \
    "-//OASIS//ELEMENTS DocBook XML HTML Tables V4.5//EN" \
    "file:///usr/share/xml/docbook/xml-dtd-4.5/htmltblx.mod" \
    /etc/xml/docbook &&
```

```

xmlcatalog --noout --add "public" \
    "-//OASIS//ENTITIES DocBook XML Notations V4.5//EN" \
    "file:///usr/share/xml/docbook/xml-dtd-4.5/dbnotnx.mod" \
    /etc/xml/docbook &&
xmlcatalog --noout --add "public" \
    "-//OASIS//ENTITIES DocBook XML Character Entities V4.5//EN" \
    "file:///usr/share/xml/docbook/xml-dtd-4.5/dbcentx.mod" \
    /etc/xml/docbook &&
xmlcatalog --noout --add "public" \
    "-//OASIS//ENTITIES DocBook XML Additional General Entities V4.5//EN" \
    "file:///usr/share/xml/docbook/xml-dtd-4.5/dbgenent.mod" \
    /etc/xml/docbook &&
xmlcatalog --noout --add "rewriteSystem" \
    "http://www.oasis-open.org/docbook/xml/4.5" \
    "file:///usr/share/xml/docbook/xml-dtd-4.5" \
    /etc/xml/docbook &&
xmlcatalog --noout --add "rewriteURI" \
    "http://www.oasis-open.org/docbook/xml/4.5" \
    "file:///usr/share/xml/docbook/xml-dtd-4.5" \
    /etc/xml/docbook

```

Create (or update) and populate the `/etc/xml/catalog` catalog file by running the following commands as the `root` user:

```

if [ ! -e /etc/xml/catalog ]; then
    xmlcatalog --noout --create /etc/xml/catalog
fi &&
xmlcatalog --noout --add "delegatePublic" \
    "-//OASIS//ENTITIES DocBook XML" \
    "file:///etc/xml/docbook" \
    /etc/xml/catalog &&
xmlcatalog --noout --add "delegatePublic" \
    "-//OASIS//DTD DocBook XML" \
    "file:///etc/xml/docbook" \
    /etc/xml/catalog &&
xmlcatalog --noout --add "delegateSystem" \
    "http://www.oasis-open.org/docbook/" \
    "file:///etc/xml/docbook" \
    /etc/xml/catalog &&
xmlcatalog --noout --add "delegateURI" \
    "http://www.oasis-open.org/docbook/" \
    "file:///etc/xml/docbook" \
    /etc/xml/catalog

```

Configuring DocBook XML DTD

Config Files

/etc/xml/catalog, /etc/xml/docbook

Configuration Information

The above installation creates the files and updates the catalogs. In order to install ScrollKeeper or to utilize DocBook XML DTD V4.5 when any version 4.x is requested in the System Identifier, you need to add additional statements to the catalog files. If you have any of the DocBook XML DTD's referenced below already installed on your system, remove those entries from the `for` command below (issue the commands as the *root* user):

```
for DTDVERSION in 4.1.2 4.2 4.3 4.4
do
  xmlcatalog --noout --add "public" \
    "-//OASIS//DTD DocBook XML V$DTDVERSION//EN" \
    "http://www.oasis-open.org/docbook/xml/$DTDVERSION/docbookx.dtd" \
    /etc/xml/docbook
  xmlcatalog --noout --add "rewriteSystem" \
    "http://www.oasis-open.org/docbook/xml/$DTDVERSION" \
    "file:///usr/share/xml/docbook/xml-dtd-4.5" \
    /etc/xml/docbook
  xmlcatalog --noout --add "rewriteURI" \
    "http://www.oasis-open.org/docbook/xml/$DTDVERSION" \
    "file:///usr/share/xml/docbook/xml-dtd-4.5" \
    /etc/xml/docbook
  xmlcatalog --noout --add "delegateSystem" \
    "http://www.oasis-open.org/docbook/xml/$DTDVERSION/" \
    "file:///etc/xml/docbook" \
    /etc/xml/catalog
  xmlcatalog --noout --add "delegateURI" \
    "http://www.oasis-open.org/docbook/xml/$DTDVERSION/" \
    "file:///etc/xml/docbook" \
    /etc/xml/catalog
done
```

Contents

Installed Programs: None

Installed Libraries: None

Installed Files:

DTD, MOD and ENT files

Installed Directories: /etc/xml and /usr/share/xml/docbook/xml-dtd-4.5

Short Descriptions

DTD files	contain a document type definition which defines the element types and the attribute lists that can be used in the corresponding XML files.
MOD files	files contain components of the document type definition that are sourced into the DTD files.
ENT files	files contain lists of named character entities allowed in HTML.

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