

XMetaL® Author Enterprise for Documentum Webtop 6.6

Administrator's Guide

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This document applies to Version 7.0 of XMetaL Author Enterprise and Version 6.6 or higher of the Webtop CMS.

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XMetaL Author Enterprise for Documentum Webtop

This document describes the instructions for installing and configuring XMetaL Author Enterprise for Documentum Webtop.

Requirements

Client

- XMetaL Author Enterprise 7.0
- Same system requirements as for XMetaL Author Enterprise 7.0
- XMetaL Author Enterprise for Documentum Webtop client installation
- Same system requirements as Documentum Webtop

Server

- Operating system: Windows 2003 Server*
- Documentum**: Webtop 6.6
- Application server: Tomcat 6.0.x*
- RDBMS: Microsoft SQL Server 2005 SP2*

* This specific server configuration has been fully tested. Other configurations may be supported as well; contact XMetaL with system configuration specifics for additional information.

** XMetaL for Documentum products have not been tested for Federated Content Repository and Replicated Content Repository support.

Server Installation

The XMetaL Author Enterprise for Documentum Webtop server-side component is an extension to Documentum Webtop. Follow the instructions below to install:

1. Back up the Webtop Web application folder:

```
{ $APP_SERVER }\webtop
```

For example, if you are using a standard installation of Tomcat 6.0, this is:

```
C:\Program Files\Apache Software Foundation\Tomcat  
6.0\webapps\webtop
```

2. Stop the application server, e.g., Tomcat.
3. Extract the *xmee-webtop-server.zip* file into the Webtop Web application folder:

```
{ $APP_SERVER }\webtop. This step overwrites  
{ $APP_SERVER }\webtop\wdk\result.jsp.
```

4. Open the file *FormProcessorProp.properties* in the following folder:

```
{TomcatInstallationFolder}\webapps\webtop\WEB-  
INF\classes\com\documentum\web\form
```

5. Specify the following:

```
requestHistorySize=12  
  
timeoutURL=/xmetal/common/library/dxi/timeout.jsp
```

6. Restart the Web application server.

XMetaL DITA DocApp Installation

XMetaL Author Enterprise for Documentum Webtop ships with a Documentum application (DocApp) that contains XML applications and templates for the standard set of topic and map DITA DTDs. These XML applications define the Documentum chunking and linking rules for both topics and maps.

Note: If you are not using the DITA DTD for your documents, there is no need to install this DocApp.

To install DocApp, follow the instructions below:

1. Unzip *XM_DITA.zip* into a location on your hard drive.
2. Login to your repository using Documentum Application Installer.
3. Browse to the location of the unzipped *XM_DITA.zip*.
4. Press OK to install the DocApp.
5. Once the DocApp has been installed correctly, navigate to the following folder in your repository through Webtop using Microsoft® Internet Explorer®.

```
/Cabinets/System/Applications/XM_DITA
```

6. Copy the following templates from this folder to the `/Cabinets/Templates` folder:
 - DITA Composite
 - DITA Topic
 - DITA Task
 - DITA Reference
 - DITA Concept
 - DITA Map
 - DITA Bookmap
 - DITA Glossary-Multiple
 - DITA Glossary-Single
7. When editing map that references a complex composite DITA topic, that contains all topic types, a timeout error may occur due to the number of XML Application documents being processed. To prevent this from happening, it is advisable to increase the value of the “server.session.timeout.seconds” property in the ucf configuration file:
 - `{ $APP_SERVER }\ webtop\WEB-INF\classes\ucf.server.config.xml`

Test Installation

To test your installation of XMetaL Author Enterprise for Documentum Webtop, you must have installed the client on at least one machine.

1. Open XMetaL Author Enterprise for Documentum Webtop.
2. Use the Repository > Repository Options menu item to set the location of your Webtop server, e.g., `http://myserver:8080/webtop`. Also set file path of `ucf.client.config.xml` in the dialog.
3. Use Repository > New from Repository Template to create a new document from an XML template stored in the repository.

Uninstalling

To uninstall the server-side component of XMetaL Author Enterprise for Documentum Webtop, follow the instructions below:

1. Back up the Webtop Web application folder:

`{ $APP_SERVER }\webtop`

For example, if you are using a standard installation of Tomcat 6.0 this is:

`C:\Program Files\Apache Software Foundation\Tomcat
6.0\webapps\webtop`

2. Stop the application server, e.g., Tomcat.
3. Do one of the following:

- a. If you are running XMetaL Author Enterprise for Documentum Webtop and XMetaL Express for Documentum Webtop side-by-side and you want to remove only XMetaL Author Enterprise for Documentum Webtop, remove the following folders:

```
{ $APP_SERVER }\webtop\custom\config\xmetal\...\dxi  
{ $APP_SERVER }\webtop\xmetal\...\dxi  
{ $APP_SERVER }\webtop\WEB-INF\classes\com\xmetal\...\dxi  
{ $APP_SERVER }\webtop\WEB-INF\classes\org\json  
{ $APP_SERVER }\webtop\WEB-INF\tlds\xmetal.tld
```

- b. If you are running XMetaL Author Enterprise for Documentum Webtop only, remove the following folders:

```
{ $APP_SERVER }\webtop\custom\config\xmetal  
{ $APP_SERVER }\webtop\xmetal  
{ $APP_SERVER }\webtop\WEB-INF\classes\com\xmetal  
{ $APP_SERVER }\webtop\WEB-INF\classes\org\json  
{ $APP_SERVER }\webtop\WEB-INF\tlds\xmetal.tld
```

4. Open the file *FormProcessorProp.properties* in the following folder:

```
{TomcatInstallationFolder}\webapps\webtop\WEB-  
INF\classes\com\documentum\web\form
```

5. Specify the following to their original values:

```
requestHistorySize=3  
timeoutURL=
```

6. Restart the Web application server.

Configuring Documentum for a DITA Specialization

An XML application must be created for every DITA specialization; this consists of DTD, CSS, MCR, CTM, and TBR files, and a configuration file that defines chunking and linking rules. To create an XML application for a specialization, follow the instructions below (*MyTopic* is used as the name of the example specialization).

Note: Please use the same procedure for specializing maps, using MyMapXMLApplication.zip

Prepare Specialization

1. Follow the instructions in XMetaL Author Enterprise online Help to create a specialization and a template for that specialization.
2. Unzip MyTopicXMLApplication.zip, keeping folder names, to a temporary location on your hard drive e.g., *C:\Temp*
The newly created folder should look like this:
C:\Temp\MyTopic\dtlds
C:\Temp\MyTopic\xm_customisation
3. Copy the CSS, MCR, CTM and TBR specialization files XMetaL created to the *xm_customisation* folder, e.g.,

from `{ $XM_AUTHOR }\DITA\XACs\mytopic\`
to `C:\Temp\MyTopic\xm_customisation`

4. Rename all of the newly copied files to remove “_database” from the filename in the *xm_customisation* folder.

5. Edit *mytopic.css* to flatten all of the CSS include links, i.e., it should look like this:

```
@import url(database-base.css);  
@import url(database-base-override.css);  
@import url(database-derived.css);  
@import url(database-derived-override.css);  
@import url(mytopic-specialized.css);
```

6. Copy the original DTD and MOD files that you specialized from, e.g., *mytopic.dtd* and *mytopic.mod* to the *dtDs* folder. Ensure that these original DTD and MOD files don't refer to any other DTD, MOD or ENT files that are not in the same folder; if they do, the references must be flattened and the appropriate files copied to the *dtDs* folder.

7. Edit MyTopic.xml to ensure the correct value is in the <name> and <app_pattern> elements, and the first two <xml_content_rule> elements, e.g.,

```

    <name>MyTopic</name>
    <app_pattern>
      <element>mytopic</element>
    </app_pattern>
    ...
  <xml_content_rule
    editable_virtual_doc="false"
    export="inline" make_object="false">
    <!--rule_name:Don't chunk topic in mytopic -->
    <element_selection_pattern>
      <element>mytopic</element>
      <context_rule>
        <descendant_of>
          <element_selection_pattern>
            <element>mytopic</element>
          </element_selection_pattern>
        </descendant_of>
      </context_rule>
    </element_selection_pattern>
    <make_entity/>
  </xml_content_rule>
  <xml_content_rule
    editable_virtual_doc="false"
    export="inline" make_object="true">
    <!--rule_name:Apply to mytopic-->
    <element_selection_pattern>
      <element>mytopic</element>
    </element_selection_pattern>
    <object_type>xm_dita_topic</object_type>
    <make_entity/>
  </xml_content_rule>

```

Depending on your specialization you may need to edit this file further to create link relationships for specialized elements. See the *Documentum XML Application Development Guide* for more details.

Create XML Application

1. Use Documentum Application Builder to open the XM_DITA DocApp.
2. Use Insert > XML Application to create a new XML application.
3. Enter MyTopic as the name of the XML application and browse to the newly created MyTopic.xml
4. In the Validation tab, browse to your *dtDs* folder and select *mytopic.dtd* and add all other DTD, MOD and ENT files using the Add button.
5. In the XML App Detection tab, add the SYSTEM and PUBLIC IDs of your specialized topic, e.g.,
 SYSTEM: mytopic.dtd
 PUBLIC: -//XMETAL//DTD DITA MyTopic//EN

6. Add the root node name, e.g., mytopic, to the list of root elements.
7. In the Supporting Folder tab, browse to your *xm_customisation* folder and add all of the files using the Add button.
8. Press OK to create the new XML application for your specialized topic.
9. Import the template that you created in Step 1 into the */Cabinets/Templates* folder in the repository. Associate it with the newly created XML application on import.
10. To test the newly created XML Application, create a new document using the new specialized template.