Oracle
Primavera
Unifier Content Repository Configuration Guide for On-Premises

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About Connecting the Content Repository

Having a content repository integrated with Unifier can turn cluttered, unstructured content into organized assets by making it easier to catalog, access, search, and reuse documentation.

This guide will tell you how to:

- Configure Oracle WebCenter Content Core Capabilities after you install it.
- Configure Microsoft SharePoint after you install it.
- Configure CMIS-compliant repositories after you install one.
- Configure the Unifier File Repository.
- Set your content repository settings in Unifier to connect to your content repository.

> **Note**: For the full list of system requirements, applications, and application version levels refer to the Unifier Tested Configurations in the Unifier Documentation Library.

Prerequisites for Configuring a Content Repository and Unifier

You should complete the requirements in the following sections before configuring Unifier and a content repository.

Install Oracle Primavera Unifier

Follow the instructions in the *Unifier Installation Guide (WebLogic)*. Ensure you install all the necessary components, such as:

- Weblogic Server
- Unifier

> **Note:** For the full list of system requirements, applications, and application version levels refer to the Unifier Tested Configurations in the Unifier Documentation Library.

Install Oracle WebCenter Content Core Capabilities

If you are going to use Oracle WebCenter Content Core Capabilities (WebCenter Content), you will need to install it. See the documentation included with the WebCenter Content media pack for instructions on installing this product. Ensure you install WCCC on its own managed server.

Notes:

- Do not install it on the same server as Unifier.
- Refer to the *Unifier Tested Configurations* for supported version levels.

See ***Configuring WebCenter Content*** (on page 7) for instructions on settings you need to configure before you connect Unifier and WebCenter Content.

Install the Repository Creation Utility (RCU)

Install the Repository Creation Utility that is included with the WebCenter Content media pack. See the WebCenter Content documentation for more information on installing the utility.

Install Microsoft SharePoint

If you are going to use Microsoft SharePoint Server, you first need to install it. See the documentation included with Microsoft SharePoint for installation information.

Note: For the full list of system requirements and versions, refer to the Unifier *Tested Configurations* in the Unifier Documentation Library.

See ***Configuring Microsoft SharePoint*** (on page 9) for instructions on settings you need to configure before you connect Unifier and SharePoint.

Install a CMIS-compliant Repository

If you are going to use a CMIS-compliant repository, you will need to install one and use the documentation provided with your repository to use it. Use the information in ***Configuring CMIS-Compliant Content Repository*** (on page 10) for instructions on how to connect your repository to Unifier.

Configuring Oracle Database Content Repository

The user has to have the following permissions:

Note: Refer to the Unifier Installation Guide (WebLogic) > Repository Tab (Database) for details.

- Connect
- Resource
- ctxapp
- Create job
- run ctxsys.ctx_ddl

- run dbms_scheduler

Configuring Oracle Database Content Repository in Unifier Configurator

To configure Oracle Database Content Repository in Unifier Configurator:

1) Go to the **Repository** tab.
2) In the **File Repository** field, select **Database**.
3) In the **Host Name** field, enter the host name of the computer where you installed the database.
4) In the **Instance ID** field, enter one of the following values:
   - An Oracle SID
   - An Oracle service name (Oracle Database)

   > **Note**: For the full list of system requirements, applications, and application version levels refer to the Unifier Tested Configurations in the Unifier Documentation Library.

   When you enter a service name for an Oracle service name (Oracle Database), you must preface the name with a forward slash (/), for example, `/servicename`.

   If you have selected **Oracle** from the drop-down list and have not prefaced the name with a forward slash (/), the system presumes that you have entered an Oracle SID.
5) In the **Port** field, enter the Port number to be used by Unifier to communicate with the database (For example: 1521).
6) In the **User Name** field, enter the database login user account name (created in Oracle) to be used by Unifier. The database login user account needs to have sufficient permissions.
7) In the **User Password** field, enter the database login user account password to be used by Unifier.

The following explains the remaining fields:

Log File Directory: The folder where the log files are stored.

Configuring WebCenter Content

These instructions contain information only on configuring WebCenter Content to work with Unifier. They do not include information on installing WebCenter Content. For WebCenter Content installation instructions, see the documentation included with WebCenter Content. Refer to the Unifier *Tested Configurations* document for supported version levels.

> **Note**: Folders_g is no longer supported. See Migrating Folders_g Contents to FrameworkFolders section, if you are migrating to the latest Unifier release.

To configure Oracle WebCenter Content:

1) Log in to WebCenter Content as an administrative user (for example, http://server:16200/cs).

2) Select the following configuration options:
   a. In the **Server Socket Port** field, enter **4444**.
   b. In the **Incoming Socket Connection Address Security Filter=** field, enter: **127.0.0.1|10.*.*.***.
   c. In the **FullText Search Option** field, select: **External**.
   d. Restart the managed server.
3) Log in to the WebCenter Content managed server as an administrative user.
4) Go to **Administration**, **Admin Applets** and select the **User Admin** applet.
5) Create a new user. (This documentation will call this user **unifier**).
6) Assign the user the **admin** and **sysmanager** roles.
7) Under **Administration**, select **Admin Server**.
8) In the **Admin Server** screen, select **Component Manager** then select **advanced component manager**.
9) Ensure that the **FrameworkFolders** is present in the **Enabled** components list. If not present, select the **FrameworkFolders** from the **Disable** components list and click **Enable**. The "Folders_g" component is not supported.

Configuring WebCenter Content in Unifier Configurator

> **Note:** For the full list of system requirements, applications, and application version levels refer to the Unifier Tested Configurations in the Unifier Documentation Library.

To finalize the WebCenter Content configuration:

1) Open the Unifier Configurator.
2) Go to the **Repository** tab.
3) In the **File Repository** field, select **WebCenter Content**.
4) In the **WebCenter Content Server Host** field, enter the IP address for WebCenter Content.
5) In the **Port** field, enter 4444 (or the port you used for WebCenter Content).
6) In the **WebCenter Content User** field, enter the name of the user you created (for example, unifier).
7) In the **WebCenter Content Root Folder** field, enter the name of the root folder where you want documents to be stored. Oracle WebCenter will create this folder when you add a document to the repository.
8) In the **Log File Directory** field, browse to the log location.

Migrating Folders_g Contents to FrameworkFolders

The Folders Migration utility migrates Content Server folder content and structure from Contribution Folders to Folders. This utility is available when the tables associated with Contribution Folders are present in the database schema and the "FrameworkFolders" component is enabled. Refer to the *Oracle Fusion Middleware Online Documentation Library, 11g WebCenter Content for Configuring WebCenter Content in the Unifier Configurator* (Fusion Middleware Administering Oracle WebCenter Content):
http://docs.oracle.com/cd/E28280_01/doc.1111/e26692/migratefolders.htm#WCCSA1050
https://docs.oracle.com/cd/E28280_01/doc.1111/e26692/migratefolders.htm#WCCSA1050

Configuring Microsoft SharePoint

You connect Microsoft SharePoint with Unifier using the CMIS interface. To do so, create a site collection/subsite in Microsoft SharePoint, and then activate the CMIS feature for it, as described below.

Except where noted, the guidelines below are required. Depending on your organization, you can choose to use your own naming conventions. Refer to the Microsoft SharePoint documentation for detailed instructions on how to complete the procedure in this section.

Notes:

- These instructions only contain information about configuring Microsoft SharePoint to work with Oracle Primavera Unifier. They do not include information on installing Microsoft SharePoint. For Microsoft SharePoint's installation instructions, see the documentation included with Microsoft SharePoint.
- Oracle recommends that you host your document library in an IIS site set up specifically for Oracle Primavera Unifier.

To configure Microsoft SharePoint:

1) Open the **SharePoint Central Administration** application.
2) On the **Central Administration** page, in the Application Management section, click **Create site collections**.
3) On the **Create Site Collection** page, enter the following:
   - **Title and Description:** Enter a title for the site collection.
   - **Web Site Address:** Enter the URL for the site in the form http://SharePoint host/site name.
   - **Template Selection:** Select the appropriate template.
   - **Primary Site Collection Administrator:** Enter the username for the Primary Site Collection Administrator.
4) Click **OK**.
5) On the **Status** page, click **OK**.

6) On the **Application Management** page, in the **Site collections** section, click **View all site collections**.
7) On the **Site Collections List** page, click on the site you just created and copy the URL shown in the table to the right. Open your site in a new browser tab with the given URL.
8) On the site page, click on the **Settings** icon (gear top right), and select **Site Settings**.
9) On the **Site Settings** page, click **Manage site features** under **Site Actions**.
10) On the **Site Features** page, click **Activate for the Content Management Interoperability Services (CMIS) Producer**.
11) On the **Site Features** page, click **Site Contents** from the left navigation.
12) On the **Site Contents** page, click **add an app**.
13) On the **Your Apps** page, click **Document Library**.
14) In the **Adding Document library** dialog, provide a name for your document library and click **Create**.
15) On the **Site Contents** page, click the library that you just created.
16) On the **Library** page, in the toolbar, click the **Library** tab, and in the **Settings** group, click **Library Settings**.
17) On the **Library Settings** page, in the **General Settings** section, click **Versioning settings**.
18) On the **Versioning Settings** page, in the **Document Version History** section, select **Create major versions**, then click **OK**.
19) On the **Settings** page, click **Site Contents** from the left navigation and select your document library.
20) On the library page, in the toolbar, click the **Files** tab, and in the **New** group, choose **New Folder**.
21) In the **Create a new folder** dialog, provide a name for your documentation home folder.

Configuring Microsoft SharePoint in Unifier Configurator

To configure Microsoft SharePoint with Unifier, see ***Configuring CMIS-Compliant Content Repository in Unifier Configurator*** (on page 11).

Configuring CMIS-Compliant Content Repository

Content Management Interoperability Services (CMIS) is a standard that content repositories have agreed to adhere to so that a single document connector can be used to connect to any CMIS-compliant repository.

You can connect any CMIS-compliant content repository to Unifier. The repository must be 100% CMIS-compliant to utilize all the features of Unifier document functionality.

When Unifier is installed on a multibyte server and connecting to CMIS, refer to *Unifier Installation Guide (WebLogic)* to see the available options.

Configuring CMIS-Compliant Content Repository in Unifier Configurator

To configure your CMIS-compliant content repository:

1) Go to the **Repository** tab.
2) In the **File Repository** field, select **CMIS**.
3) In the **CMIS Login Name** field, enter the user name for your content repository.

> **Note**: For SharePoint, enter the username of the primary Site Collection Administrator for the site.

4) In the **CMIS Password** field, enter the password for the user name you entered above.
5) In the **CMIS Repository Name** field, enter the name for your content repository.

> **Note**: For SharePoint, enter the document library name.

6) In the **CMIS Document Home** field, enter the location of your documentation home where you want to store the Unifier documents.
7) In the **CMIS Web Service URL** field, enter the URL for your web services home.

   The URL includes the machine name (or IP address) of the content repository server, port number of the server, and the Web Service name. Do not enter a forward slash (/) at the end of the URL.

   Example for CMIS format

   `http://hostname:port/WS_CMIS`

   Example for SharePoint format

   `http://sharepoint host/sites/site name/_vti_bin/cmissoapwsdl.aspx`
8) In the **Log File Directory** field, browse to the log location.

Configuring the Unifier File Repository

If you do not want to use an external content repository, you can instead configure the Unifier File Repository.

Using the Unifier Configurator to Configure the Unifier File Repository

To configure the Unifier File Repository:

1) Open the Unifier Configurator.
2) Go to the **Repository** tab.
3) In the **File Repository** field, select **Network File System**.
4) In the **File Directory** field, browse to the file location for Unifier File Repository.
5) In the **Index Directory** field, browse to the index location for Unifier File Repository.
6) In the **Log File Directory** field, browse to the log location for Unifier File Repository.

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