

Lab A (Module 14)
Integrating Content with CMIS

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In this lab, you install and configure the CMIS integration for SharePoint a consumer and a producer to use. In this lab, SharePoint points to itself for both of these roles. You start by installing the Administration Toolkit, and then you install the CMIS integration on the server, configure the CMIS producer, and configure the CMIS Consumer.

# Task 1: Install the SharePoint Administration Toolkit

In this task, you install the SharePoint Administration Toolkit, which contains the CMIS integration components.

1. Download SharePoint 2010 Admin Toolkit from <http://go.microsoft.com/fwlink/?LinkId=196866> and save to C:\.
2. From the C:\ run the file SharePoint2010AdministrationToolkit.exe file.
3. Click the **Next** button.
4. Click the **Finish** button.

After you have completed these steps, the administration toolkit is installed; however, it does not install the CMIS components. You have to manually add these components yourself, as shown in the next task.

# Task 2: Install the CMIS Components

In this task, you install the CMIS WSP to allow SharePoint to use the CMIS components.

1. Open a **SharePoint 2010 Management Shell**.
2. Execute the command “Add-SPSolution –literalpath ‘C:\Program Files\Microsoft\SharePoint 2010 Administration Toolkit\Content Management Interoperability Services (CMIS) Connectors\spcmis.wsp.’”
3. Execute the command ‘Install-SPSolutionspcmis.wsp –gacdeployment –webapplication<http://intranet.contoso.com>.’

SharePoint installs the components. The next step is to create the producer site and enable the producer.

# Task 3: Enable the CMIS Producer

In this task, you create a CMIS producer site and then enable the CMIS producer on it.

1. Open **SharePoint 2010 Central Administration**.
2. Under *Application Management,* click **Create site collections**.
3. Click the **Web Application** drop-down and select **Change Web Application**.
4. Click the <http://intranet.contoso.com> application.
5. Enter a title of **CMIS Producer**.
6. For the URL, enter the name **CMISProducer**.
7. In the *Select a template* section, click **Blank Site**.
8. In the Primary Site Collection Administrator section User name field, enter ***Administrator***.
9. Click the **OK** button.
10. Click the <http://intranet.contoso.com/sites/CMISProducer> link.
11. Click **Site Actions-Site Settings**.
12. In the *Site Actions* section, click **Manage site features**.
13. Next to the *Content Management Interoperability Services (CMIS) Producer* feature, click the **Activate** button.
14. In the *Quick Launch* area, click **All Site Content**.
15. Click the **Create** button.
16. In the *Filter By* pane, click **Library**.
17. In the main area, click **Document Library**.
18. In the name area, type **Documents**.
19. Click the **Create** button.
20. Click the **Library Tools-Documents** tab.
21. On the *Upload Document* button, click the down arrow, and on the pop-up menu that displays, click **Upload Multiple Documents**.
22. In the Upload Multiple Documents web dialog, click the **Browse for files instead** link.
23. In the **Open** dialog, navigate to C:\Content Packs\Packs\SharePoint 2010 ECM for the Masses Demo Version 4.4.0\Demo\Documents.
24. Click **OK**.
25. Click the **Finish** button.

The producer is setup and there’s a library with some content in it; however, we don’t have a way to consume it yet. That’s the next task.

# Task 4: Add the CMIS Consumer Web Part

With the CMIS producer ready to accept connections, it’s time to setup the CMIS consumer to consume it. We use the ContosoHome site for the placement of the CMIS Consumer web part.

1. Open Internet Explorer to <http://intranet.contoso.com/sites/contosohome>.
2. Click **Site Actions-Site Settings**.
3. In the *Site Collection Administration* section, click **Site collection features**.
4. Next to the feature *Content Management Interoperability Services (CMIS) Consumer* feature, click the **Activate** button.
5. Click the **Home** tab to return to the main page.
6. Click the **Page** tab.
7. Click the **Edit** button.
8. Click the tab **Editing Tools-Insert**.
9. Click the **Web Part** button.
10. In the *Categories* pane, click **CMIS Connector**.
11. Click the **Add** button.
12. In the CMIS Consumer web part, click the **open the tool pane** link.
13. In the Specify WSDL Address box, enter <http://intranet.contoso.com/sites/CMISProducer/_vti_bin/CMISSoapWSDL.aspx>.
14. Click the **Get Repository List** button.
15. In the popup that displays, enter credentials for the source; in this case, it is CONTOSO\Administrator and pass@word1.
16. In the *Select Repository* drop-down list, select the **Documents** library.
17. Click the **OK** button.

You can now see the documents from the CMIS Producer site in the Contoso home site.

# Lab Summary

