

SharePoint Learning Kit Course Manager Installation Guide

Published July 2008

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Introduction

Use this guide to install and configure SharePoint® Learning Kit (SLK) Course Manager 1.0.

SLK is a SCORM 2004 certified e-learning delivery and tracking application built as a Windows® SharePoint® Services 3.0 solution. It works with either Windows® SharePoint® Services 3.0 or Microsoft® Office SharePoint® Server 2007.

SLK Course Manager is an add-on that provides additional features to help instructors with course planning, assignments, and grading.

For information about how to use SLK Course Manager, see the SharePoint Learning Kit Course Manager User Guide.

What SLK Course Manager does

SLK Course Manager is an add-on to SLK that adds the following two Web Part Pages:

- Plan and Assign page
- Monitor and Assess page

These Web Part Pages help instructors do the following:

- Plan courses and activities
- Distribute, collect, and monitor the status of assigned activities
- Grade activities and monitor student performance

SLK Course Manager uses the original SLK application programming interfaces (APIs) to assign, grade, and check the current status of activities.

Who should use this guide

Anyone installing SLK Course Manager should use this guide. Often, those responsible for managing SLK are information technology professionals with the following roles:

- Solution consultant
- System developer
- Infrastructure architect
- System administrator

Install SLK Course Manager

System requirements

1. [SharePoint Learning Kit 1.3.1 \(Alpha\)](#). You must have a working installation of the March 17, 2008 release that is deployed according to its documentation.

Important: SLK Course Manager does not work with previous versions of SLK because of differences in the APIs, and it is not guaranteed to work with future releases.

2. Microsoft® .NET Framework 3.5.

Locate and decompress the installer

1. Create the following directory location: C:\Installer.
2. Decompress the SLK Course Manager installer package at that location.

Tip: If you locate the installer somewhere else, note the directory path so that you can use it when you run commands.

Install

1. In a **Command Prompt** window, type the directory path to the installer.
2. Run the batch file by typing

Installer.bat <url:port>

where <url> is the fully qualified domain name of your server or server farm, and <port> is the port number of the Web application where you want to install the add-on.

For example: **installer.bat http://website:80**



```
C:\Installer>Installer.bat http://cmcleanmachine
Installing Course Manager...

Checking SharePoint Learning Kit (SLK) Version 1.3.1...

SLK Version 1.3.1 is installed on your computer
Checking Microsoft .Net Framework 3.5.0.0...

Microsoft .Net Framework version 3.5.0.0 is installed in your computer
Copying the file SPDocumentSelectorIFrame.js...
    1 file(s) copied.
The file was copied successfully

Deploying Course_Manager_Configure.wsp to http://cmcleanmachine...
Timer job successfully created.

Executing solution-deployment-course_manager_configure.wsp-0.
Operation completed successfully.

Course_Manager_Configure.wsp was deployed correctly at http://cmcleanmachine
Activating the feature Course_Manager_Configure.wsp on http://cmcleanmachine...
Operation completed successfully.

Feature Course_Manager_Configure.wsp was activated correctly at http://cmcleanmachine
Adding the webpart CourseManagerWebParts.cab...
Operation completed successfully.

WebPart CourseManagerWebParts.cab was added correctly
Deploying CourseManagerWebParts.cab to http://cmcleanmachine...
Timer job successfully created.

Executing solution-deployment-coursemanagerwebparts.cab-0.
Operation completed successfully.

CourseManagerWebParts.cab was deployed correctly at http://cmcleanmachine

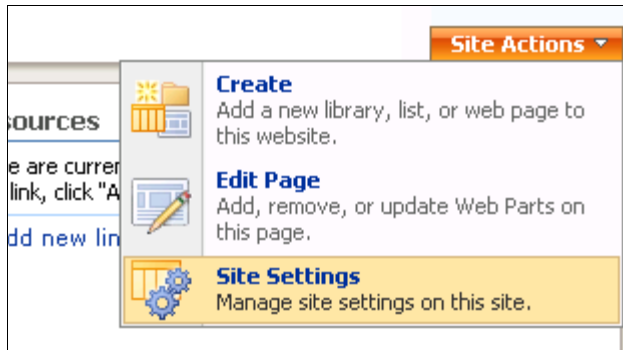
Attempting stop...
Internet services successfully stopped
Attempting start...
Internet services successfully restarted

Course Manager was installed succesfully...

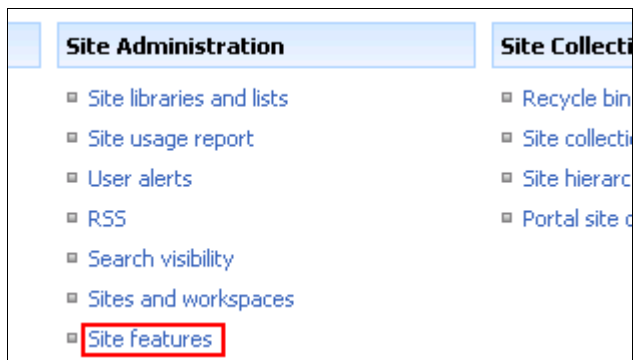
C:\Installer>
```

Activate the Web application

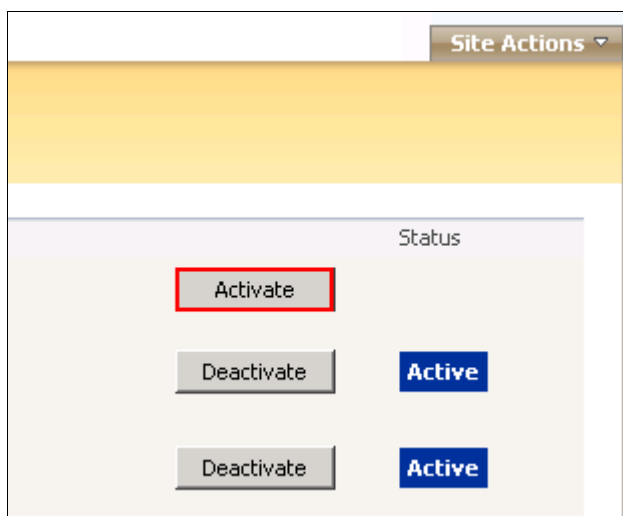
1. On the SharePoint Central Administration site, on the **Central Administration** page, on the **Site Actions** menu, click **Site Settings**.



2. On the **Site Settings** page, under **Site Administration**, click **Site features**.



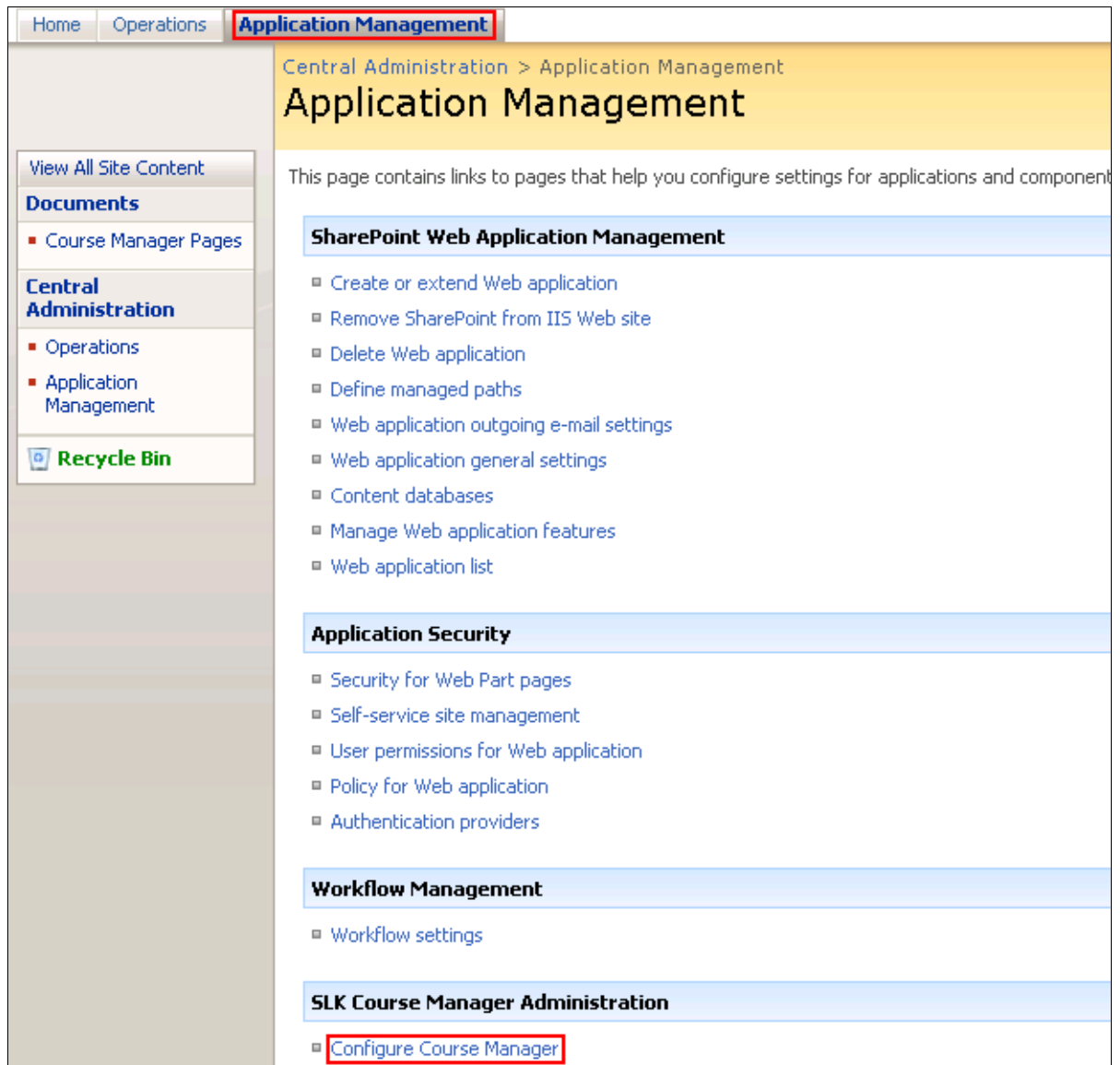
3. On the **Site Features** page, in the **Name** column, find **Course Manager Administration**. In the **Status** column, click the corresponding **Activate** button for Course Manager Administration.



Configure the site collection

Follow the steps below to configure the site collection. If you want to configure additional site collections that are hosted on the same server or server farm, repeat the steps for each one.

1. On the SharePoint Central Administration site, on the **Central Administration** page, click the **Application Management** tab.
2. On the **Application Management** page, under **SLK Course Manager Administration**, click **Configure Course Manager**.



3. In the **Site Collection** section, in the **Site Collection** list, click the site collection you want to configure.

4. In the **SLK Course Manager** section, in the **Database server** box, type the name of the database server that you want to host the SLK Course Manager database, and then in the **Database name** box, type the name of the database.

Notes:

- To use the default instance of a Microsoft® SQL Server® or Microsoft® SQL Server® Express Edition database, in the **Database server** box, simply type the server's name.
- To use a named instance of a database when you are using SQL Server, in the **Database server** box, type `<server name>\<instance name>`.
- To use a named instance of a database when you are using SQL Server Express Edition, in the **Database server** box, type `<server name>\SQL Express>`.

The screenshot shows a web-based installation interface for 'SLK Course Manager'. At the top, there is a yellow header bar with the word 'Manager' on the left and a 'Site Actions' dropdown menu on the right. Below the header, the main content area is divided into two columns. The left column is labeled 'Server and Course Manager Database Name.' and is currently empty. The right column contains three input fields: 'Site Collection:' with a dropdown menu showing 'http://cmcleanmachine:22222', 'Database server:' with a text box containing 'cmcleanmachine', and 'Database name:' with a text box containing 'cmTestSite2'. Each of these three input fields is highlighted with a red rectangular box. At the bottom right of the form, there are two buttons: 'OK' and 'Cancel'.

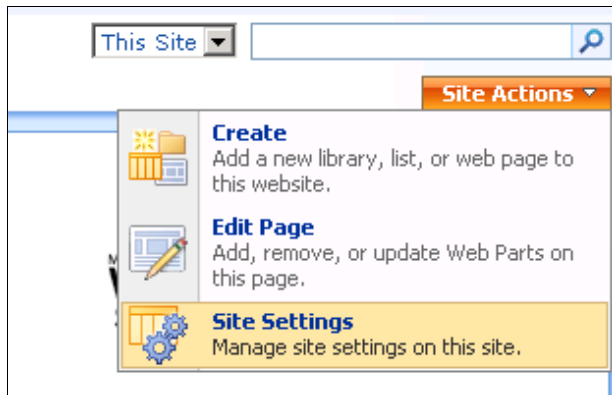
5. Click **OK**.

Activate in multiple sites

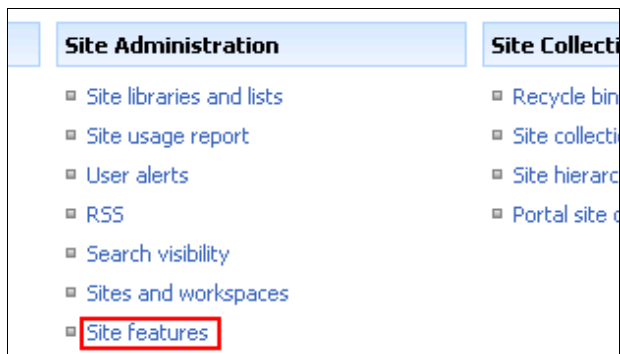
When you install the add-on, you automatically activate it in the first site in the site collection. If that is the only site you want to add SLK Course Manager to, you can skip this section.

To activate it in additional sites that are hosted on the same server or server farm, repeat the following steps for each site.

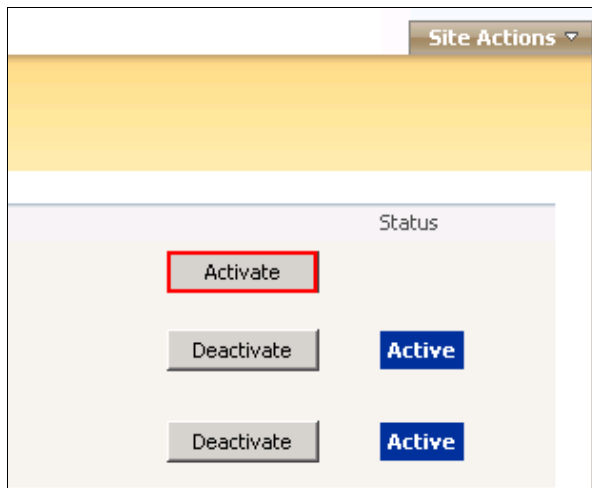
1. On the **Home** page of the site, on the **Site Actions Menu**, click **Site Settings**.



2. On the **Site Settings** page, under **Site Administration**, click **Site features**.



3. On the **Site Features** page, in the **Name** column, find **Course Manager Administration**. In the **Status** column, click the corresponding **Activate** button.

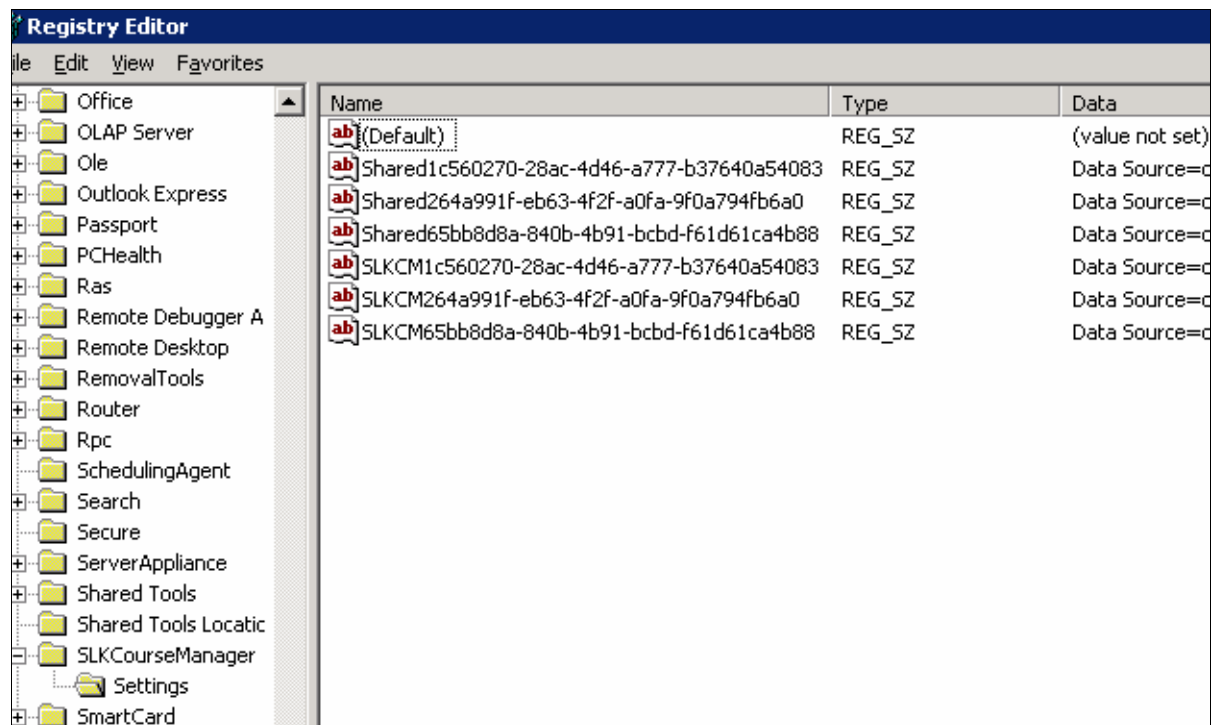


Registry information

When you install SLK Course Manager on multiple sites, the connection to the database is automatically documented in the registry of the local machine at the following location:

<Computer>\HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\SLKCourseManager\Settings

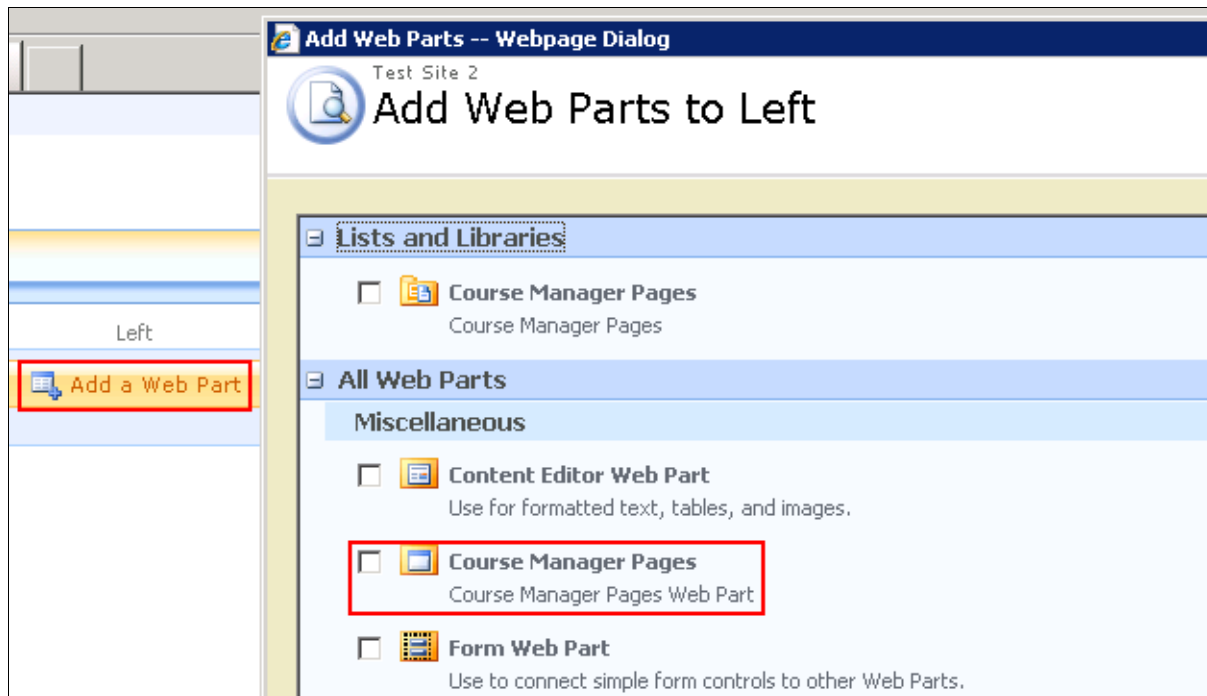
Every site that uses the add-on is documented in the registry.



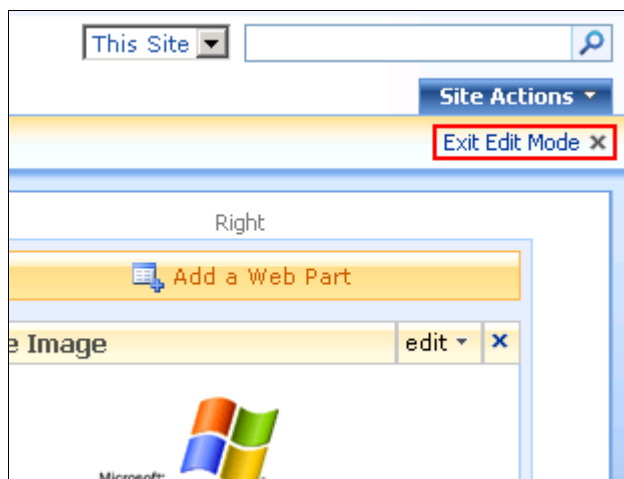
Add Web Parts

To install the add-on in a site, you must add three Web Parts: one on the Home page that creates the two Course Manager pages and provide links to them, and one on each Course Manager page that contains its content.

1. On the **Home** page, on the **Site Actions** menu, click **Edit Page**.
2. In edit mode, in a Web Part zone, click **Add a Web Part**.
3. In the **Add Web Parts** dialog box, in the **All Web Parts** section, under **Miscellaneous**, select **Course Manager Pages**, and then click **Add**.



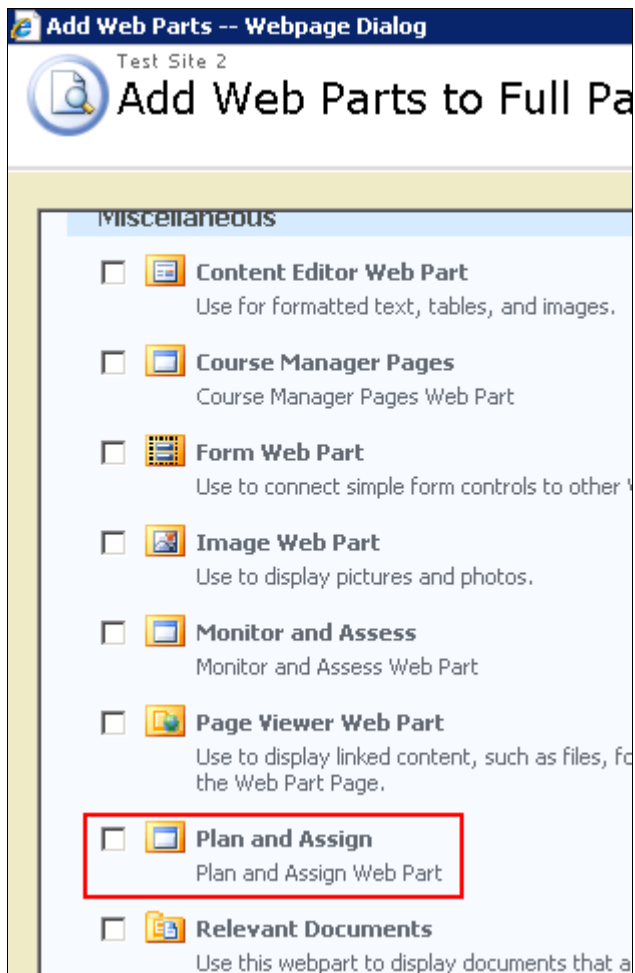
4. In edit mode on the **Home** page, click **Exit Edit Mode**.



5. On the Home page, in the Web Part you just added named Course Manager Pages, click Plan and Assign.





6. On the **Plan and Assign** page, on the **Site Actions** menu, click **Edit Page**.
7. In edit mode, in a Web Part zone, click **Add a Web Part**.
8. In the **Add Web Parts** dialog box, in the **All Web Parts** section, under **Miscellaneous**, select **Plan and Assign**, and then click **Add**.



9. In edit mode on the Plan and Assign page, click Exit Edit Mode, and then verify that the Web Part appears on the page.

Course Manager Pages - Plan_and_Assign

Plan and Assign

 **Save**  **Delete**

Activity Group	Outcomes

SLK Activities

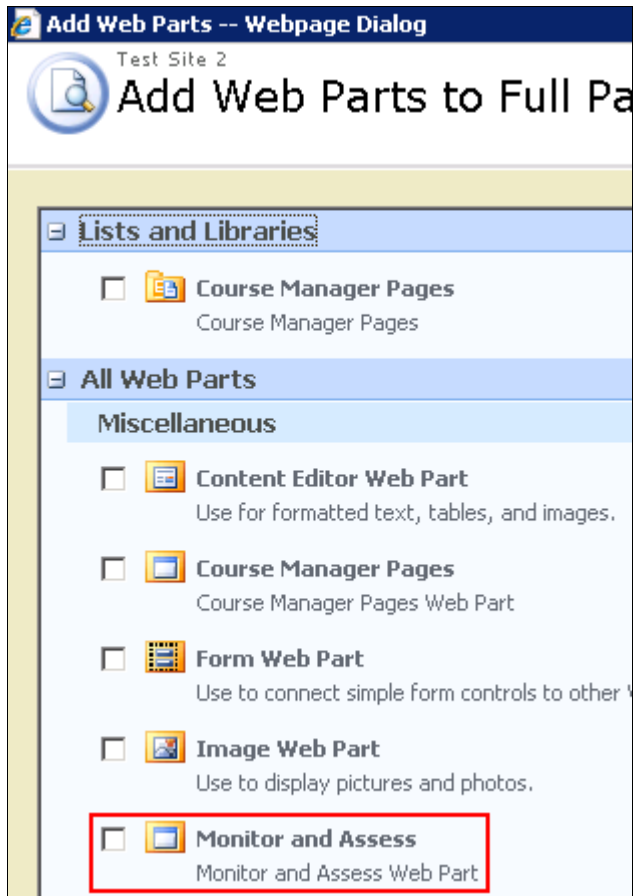
For your reference, this section displays activities created using the SLK. They are read-only.

Title	Description

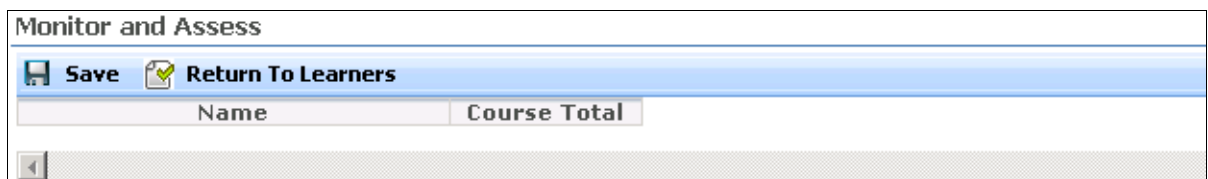
Note: If you receive an error message that you are not an instructor, you cannot see the Web Part because it requires the Contribute permission level, given to instructors.

10. On the **Home** page, in the Web Part you added named **Course Manager Pages**, click **Monitor and Assess**.
11. On the **Monitor and Assess** page, on the **Site Actions** menu, click **Edit Page**.
12. In edit mode, in a Web Part zone, click **Add a Web Part**.

13. In the **Add Web Parts** dialog box, in the **All Web Parts** section, under **Miscellaneous**, select **Monitor and Assess**, and then click **Add**.



14. In edit mode on the **Monitor and Assess** page, click **Exit Edit Mode**, and then verify that the Web Part appears on the page.

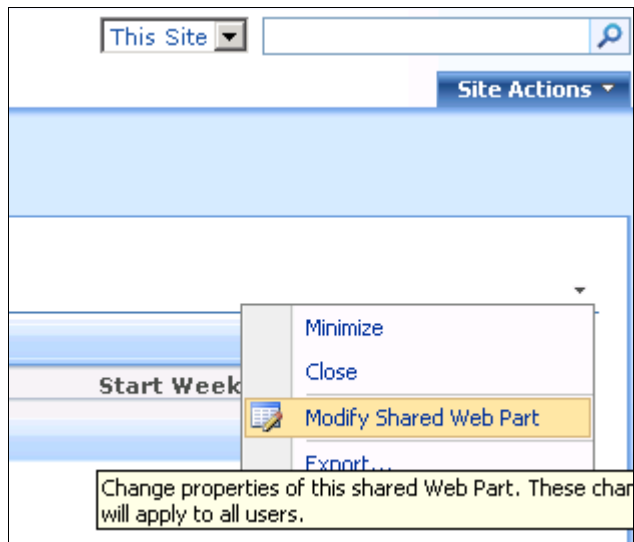


Note: If you receive an error message that you are not an instructor, then you will not be able to see the Web Part because it requires the Contribute permission-level of instructors.

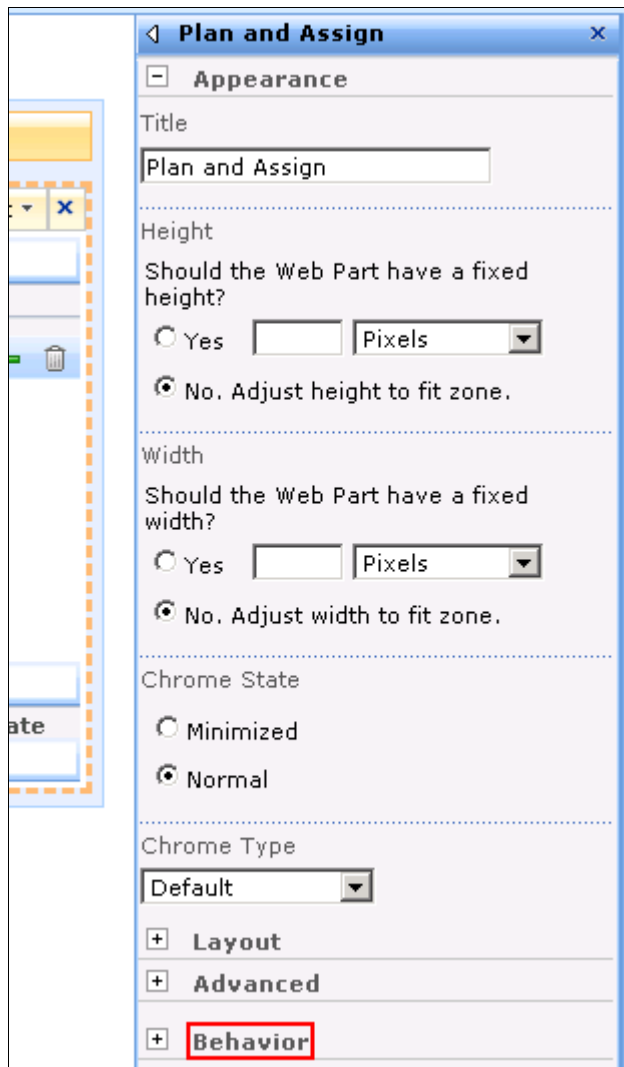
Add a library to the Plan and Assign Web Part

The Plan and Assign Web Part requires a library for storing documents.

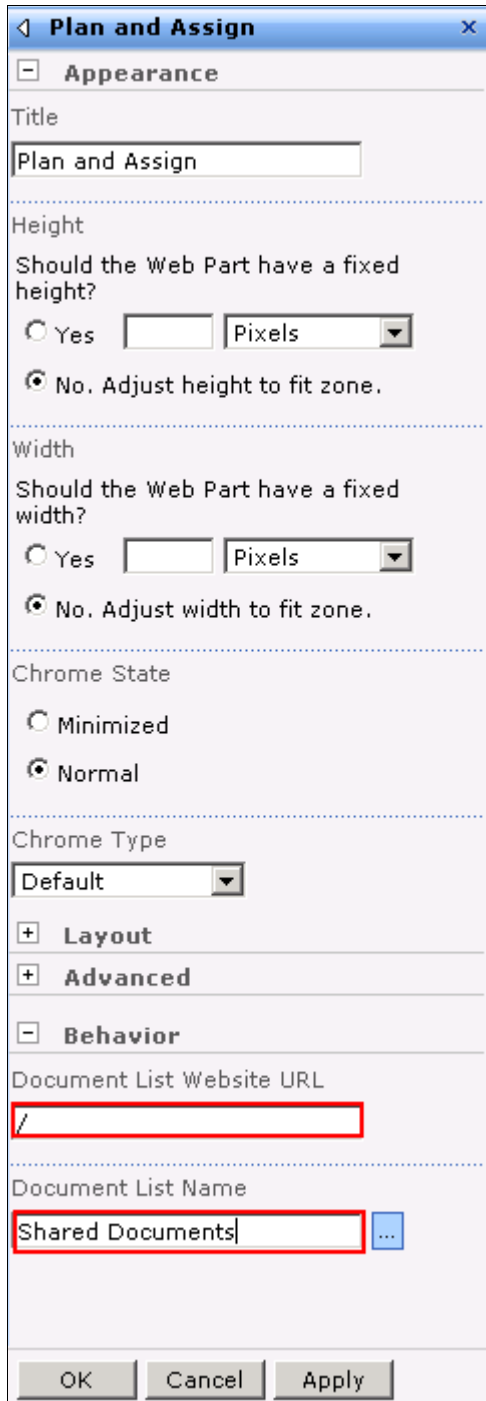
1. On the **Plan and Assign** page, on the right side of the Web Part, click the gray arrow, and on the menu that appears, click **Modify Shared Web Part**.



2. In the edit mode panel, click **Behavior**.



3. In the **Behavior** section, in the **Document List Website URL** box, type the name of the site that contains the document library you want to use:
/<site name>
If the document library is in the site you are working in, you do not need to provide a site name.
4. In the **Document List Name** box, type the name of the document library.



Plan and Assign

Appearance

Title
Plan and Assign

Height
Should the Web Part have a fixed height?
☐ Yes Pixels
☒ No. Adjust height to fit zone.

Width
Should the Web Part have a fixed width?
☐ Yes Pixels
☒ No. Adjust width to fit zone.

Chrome State
☐ Minimized
☒ Normal

Chrome Type
Default

Layout

Advanced

Behavior

Document List Website URL
/

Document List Name
Shared Documents

OK Cancel Apply

5. In the edit mode panel, click **OK**.

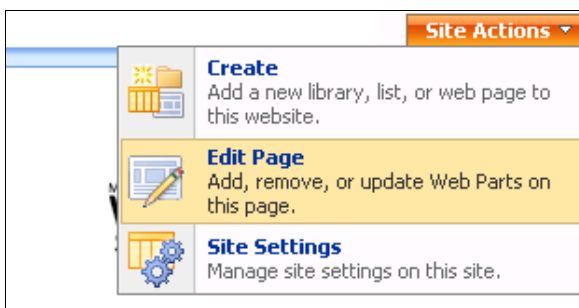
Uninstall SLK Course Manager

To uninstall the add-on, you must remove its Web Parts, document library, and master page in every site that it is installed in. For each Web application it is installed in, you run the uninstaller batch file, which restores the Web.config file.

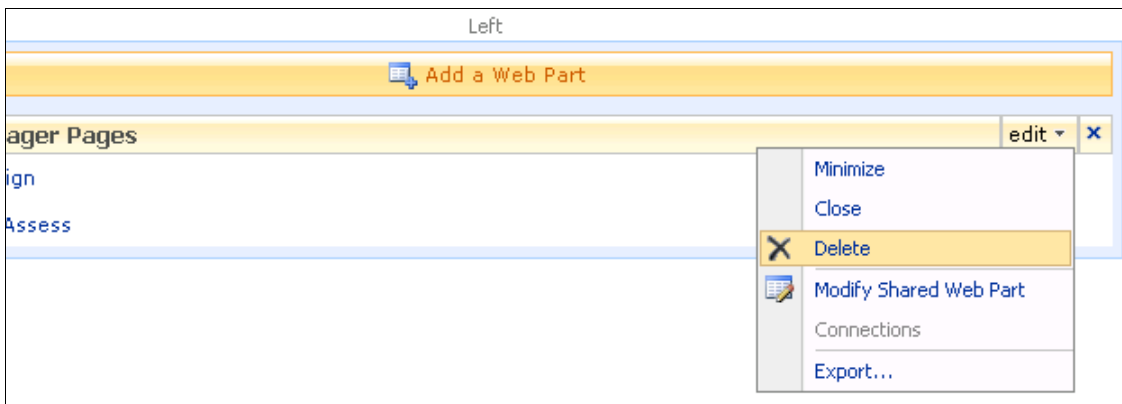
Note: When you uninstall SLK Course Manager, you do not delete the databases created by the add-on. Also, the keys that reference the library are left in the registry at the following location:
<Computer>\HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\SLKCourseManager\Settings.

Delete Web Parts

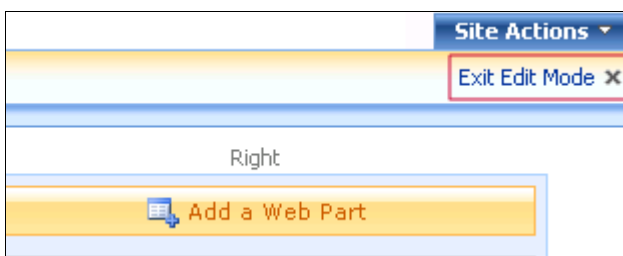
1. On the page that has the **Course Manager Pages** Web Part, on the **Site Actions Menu**, click **Edit Page**.



2. In edit mode, in the **Course Manager Pages** Web Part, on the **edit** menu, click **Delete**.

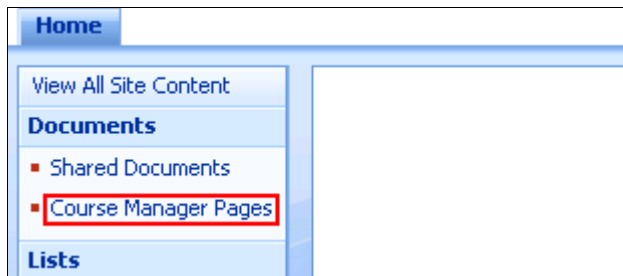


3. In the message, click **OK**.
4. In edit mode, click **Exit Edit Mode**.

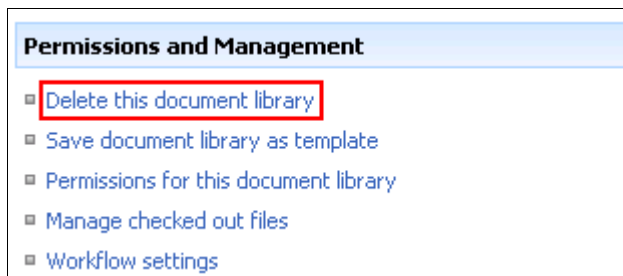


Delete the document library

1. On the **Home** page of the site, on the Quick Launch, under **Documents**, click **Course Manager Pages**.



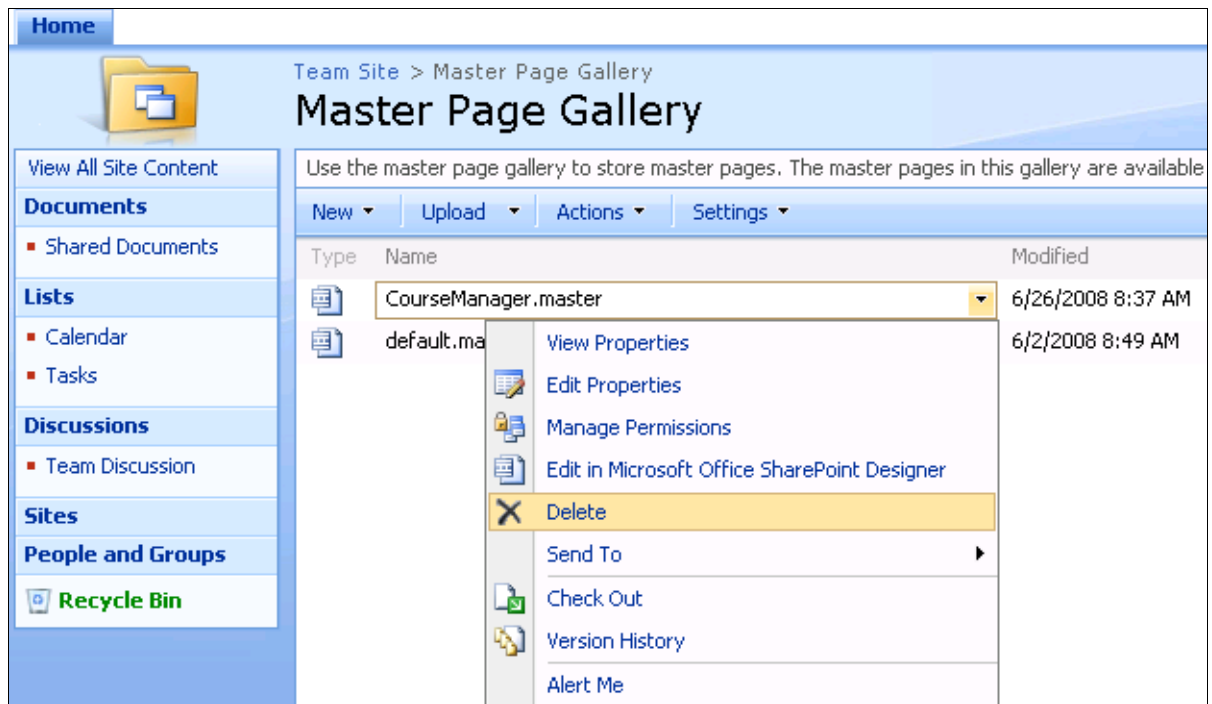
2. On the **Course Manager Pages** page, on the **Settings** menu, click **Document Library Settings**.
3. On the **Customize Course Manager Pages** page, under **Permissions and Management**, click **Delete this document library**.



4. In the message, click **OK**.

Delete the master page

1. On the **Home** page of the site, on the **Site Actions Menu**, click **Site Settings**.
2. On the **Site Settings** page, under **Galleries**, click **Master pages**.
3. On the **Master Page Gallery** page, in the **Name** column, point to **CourseManager.master**. Click the arrow that appears, and then click **Delete**.

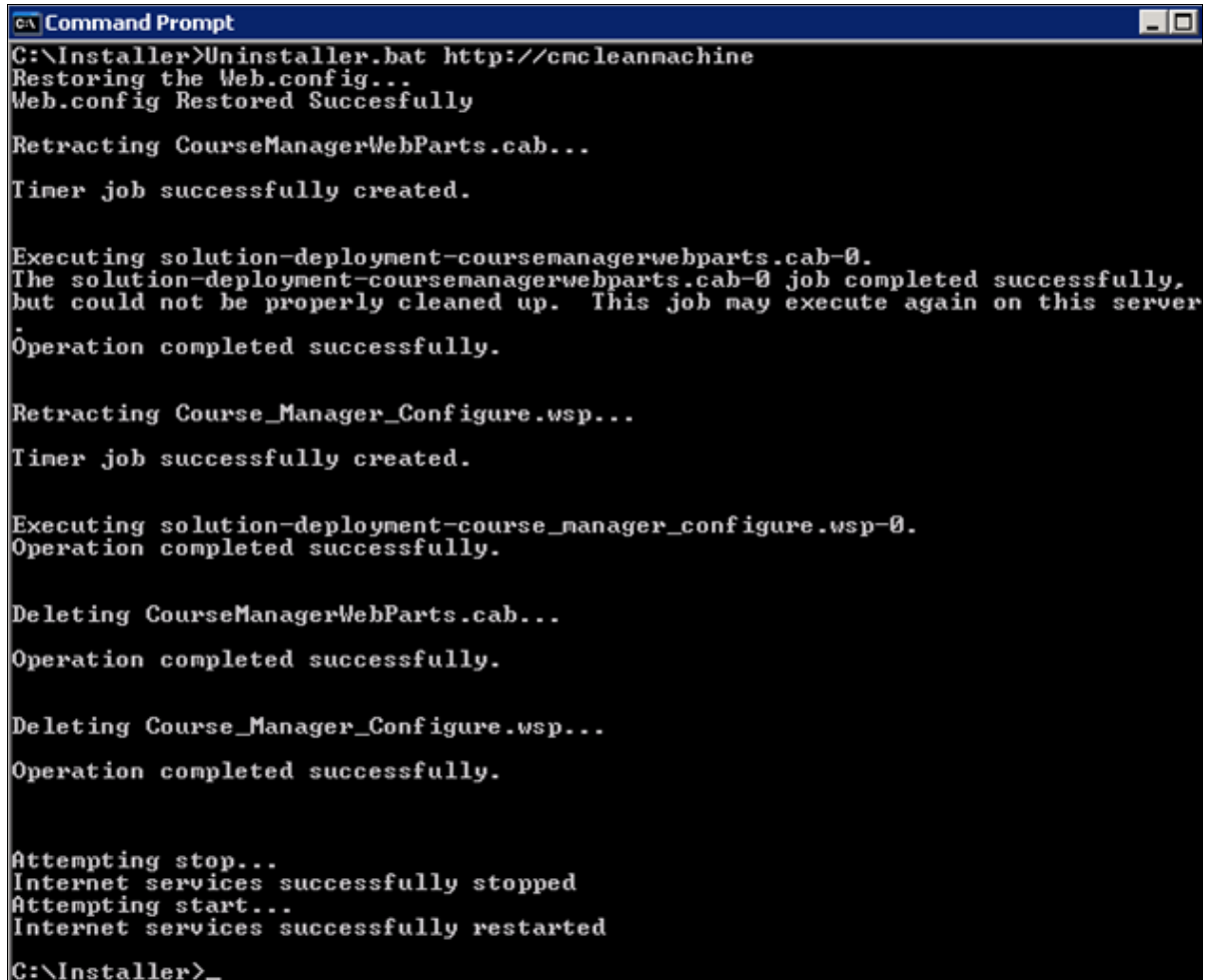


4. In the message, click **OK**.

Uninstall

1. In a **Command Prompt** window, type the directory path to the installer.
2. Run the batch file by typing
`Uninstaller.bat <url:port>`
 where **<url>** is the fully qualified domain name of your server or server farm, and **<port>** is the port number of the Web application where you want to uninstall the add-on.
 For example: `uninstaller.bat http://website:80`

3. Verify that the add-on uninstalled correctly by checking the messages in the **Command Prompt** window.



```
CA Command Prompt
C:\Installer>Uninstaller.bat http://cmcleanmachine
Restoring the Web.config...
Web.config Restored Successfully

Retracting CourseManagerWebParts.cab...
Timer job successfully created.

Executing solution-deployment-coursemanagerwebparts.cab-0.
The solution-deployment-coursemanagerwebparts.cab-0 job completed successfully,
but could not be properly cleaned up. This job may execute again on this server.
Operation completed successfully.

Retracting Course_Manager_Configure.wsp...
Timer job successfully created.

Executing solution-deployment-course_manager_configure.wsp-0.
Operation completed successfully.

Deleting CourseManagerWebParts.cab...
Operation completed successfully.

Deleting Course_Manager_Configure.wsp...
Operation completed successfully.

Attempting stop...
Internet services successfully stopped
Attempting start...
Internet services successfully restarted
C:\Installer>
```

Appendix A—Files in the Release

This section lists the files included in the download for the SLK Course Manager.

File	Description
Installer.bat	Runs the main installer of SLK Course Manager
Microsoft.LearningComponents.dll	Required by SolutionsAndFeaturesTest.exe
Microsoft.LearningComponents.Storage.dll	Required by SolutionsAndFeaturesTest.exe
Microsoft.SharePointLearningKit.dll	Required by SolutionsAndFeaturesTest.exe
SolutionsAndFeaturesTest.exe	Checks the Microsoft .Net Framework version, the SharePoint Learning Kit version and adds the solution
Uninstaller.bat	Uninstalls the SLK Course Manager
Files\ Course_Manager_Configure.wsp	Contains the SLK Course Manager Solution
Files\ CourseManagerWebParts.cab	Contains the SLK Course Manager Web Parts
Files\ SPDocumentSelectorIFrame.js	Overwrites the SharePoint Document Library Open Document functionality that occurs when a user clicks a document
RestoreWebConfig.exe	Removes all non-required strings from the Web Config file
License.txt	Licensing information and legal conditions for using SLK Course Manager
ReadMe.txt	System requirements and known issues for installing SLK Course Manager
SLK Course Manager Installation Guide.pdf	Instructions for installing SLK Course Manager

Appendix B—Changes in the Web.config file

This section includes the changes performed on the Web.config file of a Web application. The modified sections of the configuration file include:

Section group

```
<sectionGroup name="system.web.extensions"
type="System.Web.Configuration.SystemWebExtensionsSectionGroup,
System.Web.Extensions, Version=3.5.0.0, Culture=neutral,
PublicKeyToken=31BF3856AD364E35">
  <sectionGroup name="scripting"
type="System.Web.Configuration.ScriptingSectionGroup, System.Web.Extensions,
Version=3.5.0.0, Culture=neutral, PublicKeyToken=31BF3856AD364E35">
    <section name="scriptResourceHandler"
type="System.Web.Configuration.ScriptingScriptResourceHandlerSection,
System.Web.Extensions, Version=3.5.0.0, Culture=neutral,
PublicKeyToken=31bf3856ad364e35" requirePermission="false"
allowDefinition="MachineToApplication" />
    <sectionGroup name="webServices"
type="System.Web.Configuration.ScriptingWebServicesSectionGroup,
System.Web.Extensions, Version=3.5.0.0, Culture=neutral,
PublicKeyToken=31BF3856AD364E35">
        <section name="authenticationService"
type="System.Web.Configuration.ScriptingAuthenticationServiceSection,
System.Web.Extensions, Version=3.5.0.0, Culture=neutral,
PublicKeyToken=31BF3856AD364E35" requirePermission="false"
allowDefinition="MachineToApplication" />
        <section name="jsonSerialization"
type="System.Web.Configuration.ScriptingJsonSerializationSection,
System.Web.Extensions, Version=3.5.0.0, Culture=neutral,
PublicKeyToken=31BF3856AD364E35" requirePermission="false"
allowDefinition="Everywhere" />
        <section name="profileService"
type="System.Web.Configuration.ScriptingProfileServiceSection,
System.Web.Extensions, Version=3.5.0.0, Culture=neutral,
PublicKeyToken=31BF3856AD364E35" requirePermission="false"
allowDefinition="MachineToApplication" />
        <section name="roleService"
type="System.Web.Configuration.ScriptingRoleServiceSection,
System.Web.Extensions, Version=3.5.0.0, Culture=neutral,
PublicKeyToken=31BF3856AD364E35" requirePermission="false"
allowDefinition="MachineToApplication" />
    </sectionGroup>
</sectionGroup>
```

Safe controls

```
<SafeControl Assembly="Microsoft.SharePointLearningKit, Version=1.3.0.2,
Culture=neutral, PublicKeyToken=24e5ae139825747e"
Namespace="Microsoft.SharePointLearningKit.WebParts" TypeName="*" Safe="True"
/>
    <SafeControl Assembly="Axelerate.BusinessLayerUITools, Version=1.0.0.0,
Culture=neutral, PublicKeyToken=4f9a37917b02d1a2"
Namespace="Axelerate.BusinessLayerUITools.WebParts" TypeName="*" Safe="True"
/>
    <SafeControl Assembly="Axelerate.BusinessLayerFrameWork,
Version=1.3.0.1, Culture=neutral, PublicKeyToken=783dbd9b30afb604"
Namespace="Axelerate.BusinessLayerFrameWork.WebParts" TypeName="*"
Safe="True" />
    <SafeControl Assembly="Axelerate.SlkCourseManagerLogicalLayer,
Version=1.0.0.0, Culture=neutral, PublicKeyToken=5bbd900fcde291a4"
Namespace="Axelerate.SlkCourseManagerLogicalLayer.WebParts" TypeName="*"
Safe="True" />
    <SafeControl Assembly="Axelerate.DataAccessApplicationBlock,
Version=1.0.0.2, Culture=neutral, PublicKeyToken=8aeca469e4966909"
Namespace="Axelerate.DataAccessApplicationBlock.WebParts" TypeName="*"
Safe="True" />
    <SafeControl Assembly="Axelerate.SharedBusinessLogic, Version=1.0.0.0,
Culture=neutral, PublicKeyToken=68060410e0087d0c"
Namespace="Axelerate.SharedBusinessLogic.WebParts" TypeName="*" Safe="True"
/>
    <SafeControl Assembly="InstallerHelper, Version=1.0.0.0,
Culture=neutral, PublicKeyToken=af5ed81c0ef88811" Namespace="InstallerHelper"
TypeName="*" Safe="True" />
    <SafeControl Assembly="CourseManagerConfCs, Version=1.0.0.0,
Culture=neutral, PublicKeyToken=f1391ddb6ealca6b"
Namespace="CourseManagerConfCs" TypeName="*" Safe="True" />
    <SafeControl Assembly="AjaxControlToolkit, Version=3.0.20229.20843,
Culture=neutral, PublicKeyToken=28f01b0e84b6d53e"
Namespace="AjaxControlToolkit.WebParts" TypeName="*" Safe="True" />
    <SafeControl Assembly="System.Web.Extensions, Version=3.5.0.0,
Culture=neutral, PublicKeyToken=31BF3856AD364E35" Namespace="System.Web.UI"
TypeName="*" Safe="True" />
</SafeControls>
```


Security policy

```
<add verb="GET,HEAD,POST" path="*/Images.asmx"
type="Axelerate.BusinessLayerUITools.ImageProcessing.ImageHandler,
Axelerate.BusinessLayerUITools, Version=1.0.0.0, Culture=neutral,
PublicKeyToken=4f9a37917b02d1a2" validate="false" />
  <add verb="GET,HEAD,POST" path="*/ImgCmp.asmx"
type="Axelerate.BusinessLayerUITools.ImageProcessing.ImgCmpHandler,
Axelerate.BusinessLayerUITools, Version=1.0.0.0, Culture=neutral,
PublicKeyToken=4f9a37917b02d1a2" validate="false" />
  <add verb="GET,HEAD" path="ScriptResource.axd"
type="System.Web.Handlers.ScriptResourceHandler, System.Web.Extensions,
Version=3.5.0.0, Culture=neutral, PublicKeyToken=31BF3856AD364E35"
validate="false" />
```

HTTP handlers

```
</httpHandlers>
<httpModules>
  <clear />

  <add name="Session" type="System.Web.SessionState.SessionStateModule"/>
</httpModules>
```

Assemblies

```
<assemblies>
  <add assembly="Axelerate.BusinessLayerFrameWork, Version=1.3.0.1,
Culture=neutral, PublicKeyToken=783DBD9B30AFB604" />
  <add assembly="Axelerate.DataAccessApplicationBlock, Version=1.0.0.2,
Culture=neutral, PublicKeyToken=8AECA469E4966909" />
  <add assembly="Axelerate.SlkCourseManagerLogicalLayer,
Version=1.0.0.0, Culture=neutral, PublicKeyToken=5BBD900FCDE291A4" />
  <add assembly="System.Core, Version=3.5.0.0, Culture=neutral,
PublicKeyToken=B77A5C561934E089" />
  <add assembly="System.Data.DataSetExtensions, Version=3.5.0.0,
Culture=neutral, PublicKeyToken=B77A5C561934E089" />
  <add assembly="System.Web.Extensions, Version=3.5.0.0,
Culture=neutral, PublicKeyToken=31BF3856AD364E35" />
  <add assembly="System.Xml.Linq, Version=3.5.0.0, Culture=neutral,
PublicKeyToken=B77A5C561934E089" />
</assemblies>
```

Controls

```
<controls>
  <add namespace="System.Web.UI.WebControls" tagPrefix="asp"
assembly="System.Web.Extensions, Version=3.5.0.0, Culture=neutral,
PublicKeyToken=31BF3856AD364E35" />
  <add namespace="System.Web.UI" tagPrefix="asp"
assembly="System.Web.Extensions, Version=3.5.0.0, Culture=neutral,
PublicKeyToken=31BF3856AD364E35" />
</controls>
```

Dependent assemblies

```
<dependentAssembly>
  <assemblyIdentity name="System.Web.Extensions.Design"
publicKeyToken="31bf3856ad364e35" culture="neutral" />
  <bindingRedirect oldVersion="1.0.0.0-1.1.0.0" newVersion="3.5.0.0" />
</dependentAssembly>
<dependentAssembly>
  <assemblyIdentity name="System.Web.Extensions"
publicKeyToken="31bf3856ad364e35" culture="neutral" />
  <bindingRedirect oldVersion="1.0.0.0-1.1.0.0" newVersion="3.5.0.0" />
</dependentAssembly>
```

App settings

```
<appSettings>
  <add key="AzmanApplication" value="MyApplication" />
  <add key="AzmanStore" value="msldap://CN=AZMAN DEMO2,CN=Program
Data,DC=guayabo" />
  <add key="EnableSecurity" value="false" />
  <add key="FeedCacheTime" value="300" />
  <add key="FeedPageUrl" value="/_layouts/feed.aspx?" />
  <add key="FeedXsl1" value="/Style Library/Xsl Style Sheets/Rss.xsl" />
  <add key="ReportViewerMessages"
value="Microsoft.SharePoint.Portal.Analytics.UI.ReportViewerMessages,
Microsoft.SharePoint.Portal, Version=12.0.0.0, Culture=neutral,
PublicKeyToken=71e9bce111e9429c" />
  <add key="WebsiteGUID" value="65bb8d8a-840b-4b91-bcbd-f61d61ca4b88" />
</appSettings>
```