



SAP BusinessObjects Xcelsius 2008 Sharepoint Installation Guide

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SharePoint Portal 2003

Installing Xcelsius SharePoint Web Parts

If you are using SharePoint Portal 2003, you can use the automatic Xcelsius SharePoint Web Part installer available with Xcelsius 2008. Navigate to the following directory in your installation location to find the necessary files:

....\Portal Integration Kits\SharePoint Portal\2003.

The installation process requires the following main steps:

- Install and configure the SharePoint web parts
- Install and configure the Xcelsius Reporting Services Gateway
- Test the installation.

To install Sharepoint Web Parts

1. From the ... \Portal Integration Kits\SharePoint Portal\2003 directory, run the setup.exe file.
2. In the Virtual Server Install Options, select one of the following options:

Option	Description
All virtual servers	Allows the web part to work throughout the entire Sharepoint installation. This is the recommended option for quick testing.
Specify individual virtual servers	Allow you to specify specific servers to access to web part.

3. Click **Next**.
4. For the **Global Assembly Cache** options, in the "Xcelsius Sharepoint Web Part" dialog box, click **Yes** or **No**.
5. When asked to set the permissions for the installed DLL, click **Yes**.

6. Click **OK**.

To configure SharePoint Web Parts

1. In SharePoint, use one of the following methods to open the "Manage Web Part Gallery" dialog box.

Option	Description
For Sharepoint Portal Server 2003	<ol style="list-style-type: none"> a. Under "General Settings", click Manage security and additional settings. b. Under "Templates and Web Parts", click Manage Web Part gallery.
For Windows Sharepoint Services	<ol style="list-style-type: none"> a. Click Go to Site Administration. b. Under "Site Collection Galleries", click Manage Web Part Gallery.

2. Click **New Web Part**.
3. On the list of web parts, select **CrystalXcelsius.Sharepoint.Webparts.Container**.
4. Click **Populate Gallery**.
The web part is ready for use.
5. Click the Edit icon adjacent to the Container.dwp web part.
6. Change the title from Container to Xcelsius Sharepoint.
7. Click **OK**.

The Xcelsius Sharepoint Web Part installation is ready to be tested.

SharePoint Portal 2007

Installing Xcelsius SharePoint Web Parts

If you are using SharePoint 2007, use these instructions to manually install and configure the Xcelsius SharePoint web part.

Before you begin, navigate to the `....\Portal Integration Kits\SharePoint Portal\2007` folder in you installation location and extract the files in the `Xwp.zip` file. You will need these files to complete the installation.

The `Xwp.zip` file contains the files:

File	Contents
CrystalXcelsius.WebParts.Container_Business Objects.cab	Xcelsius Web Part required file
ICSharpCode.SharpZipLib.dll	Xcelsius Web Part required file
Xwp.dll	Xcelsius Web Part required file
XC Consumer Test.swf	Sample Xcelsius portal data connection SWF file that can consume data from SharePoint.
XC Consumer Test.xlf	Sample Xcelsius portal data connection design XLF file that can consume date from SharePoint.
XC Provider Test.swf	Sample Xcelsius portal data connection SWF file that can provide data to SharePoint.

File	Contents
XC Provider Test.xlf	Sample Xcelsius portal data connection design XLF file that can provide data to SharePoint.
web.config	Sample SharePoint web configuration file after the changes in this document have been applied. (Included for reference.)

To install the Xcelsius web part DLL files

The files in the Xwp.zip file are extracted and available for use.

- Copy the following .DLL files into the C:\Windows\assembly folder:
 - ICSharpcode.SharpZipLib.dll
 - Xwp.dll

To add the Xcelsius web part to the SharePoint configuration file

1. Navigate to the location of the web.config file in the SharePoint Web application Root folder. For example, c:\Inetpub\wwwroot\wss\VirtualDirectories\80\web.config.
For more information about locating this folder, see <http://msdn.microsoft.com/en-us/library/ms474356.aspx>
2. Back up the web.config file and open it in an editing program such as Notepad.
3. Insert the following text between the <SafeControls> and </SafeControls> tags:

```
<SafeControl Assembly="Xwp, Version=1.0.0.0, Culture=neutral, PublicKeyToken=7e58495f1a9ea430" Names
```

```
pace="CrystalXcelsius.Sharepoint.WebParts" TypeName="*"
Safe="True" />
```

4. Save the changes to the `web.config` file.

To install the web part using the SharePoint command line administration interface

1. Locate the SharePoint command line administration interface (`STSADM.exe`).
For example, `c:\Program Files\Common files\Microsoft Shared\web server extensions\12\BIN\STSADM.exe`.
2. Copy the `CrystalXcelsius.WebParts.Container_Business Objects.cab` file (from the `Xwp.zip` file) to an easy to access location.
For example, to `c:\.`
3. Open a command prompt and use the SharePoint command line administration interface to install the Xcelsius web part using the following syntax:

```
STSADM.EXE -o addwppack -filename webpartfile -url sharepointurl
```

For example:

```
"C:\Program Files\Common Files\Microsoft Shared\ web
server extensions\12\BIN\STSADM.EXE" -o addwppack -
filename "C:\CrystalXcelsius.WebParts.Container_Busi
ness Objects.cab" -url http://localhost
```

When the installation is complete, the following message is displayed in the command prompt:

```
Operation completed successfully
```

To change the SharePoint trust level

You must change the trust level in the SharePoint configuration file to Full.

1. Navigate to the location of the `web.config` file in the SharePoint Web application Root folder. For example, `c:\inetpub\wwwroot\wss\VirtualDirectories\80\web.config`.
2. Back up the `web.config` file and open it in an editing program such as Notepad.
3. Find the following line:

```
<trust level="WSS_Minimal" originUrl="" />
```

and change it to:

```
<trust level="Full" originUrl="" />
```

4. Save the changes to the `web.config` file.

To configure SharePoint web parts

After the Xcelsius web part is installed in SharePoint, you must add it to the SharePoint web part gallery. For SharePoint 2007, the web part will be listed as `Xcelsius SharePoint` in the Miscellaneous Web Parts folder in the SharePoint Gallery.

Note:

The web part called, `Xcelsius SharePoint Connector` does not apply to SharePoint 2007.

1. On the SharePoint Portal Site Home page, click **Site Actions > Site Settings > Modify All Site Settings**.
2. Under **User Galleries**, click **Web Parts**.
3. Click **New**.
4. Select the **Crystal.Xcelsius.SharePoint.WebParts.Container** check box.
5. Click **Populate Gallery**.
The web part is ready for use.
6. Click the Edit icon that is beside the `Container.dwp` web part.
7. In the Title box, replace "Container" with "Xcelsius Sharepoint".
8. Click **OK**.

The Xcelsius Sharepoint Web Part installation is ready to be tested.

Uploading SWFs as SharePoint Documents

Upload all the SWF files that you want to use in an Xcelsius web part.

Note the URL for each document you upload. You will need these URLs when you add the web part to a SharePoint page. The syntax for the URL address is `http://<sharepointserver>/Docs/Documents/<document name>` where `<sharepointserver>` is the name of the SharePoint server and `<documentname>` is the name of the document you are uploading.

For example, for XC Provider Test.swf,
`http://xc-7nk6bdg8e0h4/Docs/Documents/XC Provider Test.swf` and, for XC Consumer Test.swf,
`http://xc-7nk6bdg8e0h4/Docs/Documents/XC Consumer Test.swf`.

To upload SWFs to SharePoint

1. On the SharePoint Portal Site home page, select **Document Center**.
2. Under "Site Hierarchy", select **Documents**.
3. In the **Upload** list, select **Upload Multiple Documents**.
4. Select the files you want to upload.
5. Click **OK**.
6. Click **Yes**.

Adding Xcelsius Web Parts to SharePoint Pages

After you upload Xcelsius SWF files as SharePoint documents, you can add them to a SharePoint page using the Xcelsius SharePoint web part.

Note:

If, after adding the web part to a SharePoint page, you see the following message, you must use the Xcelsius SharePoint web part instead.

Unable to add selected web part(s). Xcelsius SharePoint Connector: A Web Part or Web Form Control on this Page cannot be displayed or imported. The type is not registered as safe.

To add an Xcelsius web part to a SharePoint page

1. On the SharePoint Portal site, select the page where you want to add the Xcelsius web part.
2. Click **Site Actions > Edit Page**.
3. Click **Add a Web Part**.
4. Expand **All Web Parts**, under **Miscellaneous**, select **Xcelsius SharePoint**.

Note:

Do not use the web part called **Xcelsius SharePoint Connector**. If the web part called **Xcelsius SharePoint** is not available, make sure the Xcelsius web part is added to the SharePoint Web Part Gallery.

5. Click **Add**.
6. In the added web part, click **Edit > Modify Shared Web Part**.
7. In the Xcelsius Visualization Source box, enter the URL for the SWF SharePoint document that you want to display in the Xcelsius web part.

For example, for XC Provider Test.swf, enter

`http://xc-7nk6bdg8e0h4/Docs/Documents/XC Provider Test.swf` and for XC Consumer Test.swf, enter

`http://xc-7nk6bdg83e0h4/Docs/Documents/XC Consumer Test.swf`.

8. Click **Apply**.

The Xcelsius SWF is shown in the Xcelsius SharePoint web part.

Installing Xcelsius Reporting Services Gateway

The Xcelsius Reporting Services Gateway (XRS) must be installed on a Windows-based web server that is connected to the Reporting Services (RS) server or directly on the RS server.

Note:

If you are using Reporting Services 2005, you must modify the XRS virtual directory to point to a different application pool than the Report and ReportServer virtual directories.

To install the Xcelsius Reporting Services Gateway

Microsoft Reporting Services and the .NET Framework are installed, running, and configured to a data source.

1. From the ... \Portal Integration Kits\SharePoint Portal directory, run the `setup.exe` file.
2. Click **Next**.
3. Review the license agreement, select **I Agree**, and click **Next**.
4. In the **Virtual Directory Name** box, type a name for the virtual directory.
5. To test how the system works with other ports, in the **Port Number** box, change the port number and click **Next**.

Note:

For this test to be successful, change the ports available through IIS.

6. To start the installation, click **Next**.
7. Click **Finish**.

The Reporting Services Gateway is installed. You can now configure the gateway.

To configure the Xcelsius Reporting Services Gateway

The Xcelsius Reporting Services Gateway is installed.

1. Navigate to `C:\inetpub\wwwroot\<virtualdirectoryname>` where `<virtualdirectoryname>` is the name of the virtual directory.
2. Back up the `web.config` file.
3. In the `web.config` file, change the following settings:
 - `ReportingServicesUrl`
Change localhost to the name of the server where Reporting Services is installed.
 - `ReportServerUrl`
Change localhost to the name of the server where Reporting Services is installed.
 - `XrsServicesUrl`
Change localhost to the name of the server where the Xcelsius Reporting Services Gateway is installed.
4. Open IIS and, on the Directory Security tab, make sure the authentication methods settings for the Report, ReportServer, and XRS virtual directories match.

To set the XRS virtual directories for Reporting Services 2005

The Xcelsius Reporting Services Gateway is installed and configured.

If you are using Reporting Services 2005, you must modify the XRS virtual directory to point to a different application pool than the Report and ReportServer virtual directory.

1. In the **Report** directory, on the **Virtual Directory** tab, click the application pool list and note its value.
2. Open the SRS virtual directory properties change the application pool to a different value than was used for the Report virtual directory.

Testing the Installation

To test the installation, open a web browser and type the following URL:
`http://<servername>/xrs/srx.asmx/GetReports` where
`<servername>` is the name of the server where the Xcelsius Reporting
Services Gateway is installed.

Note:

If you are testing on a local machine, you may not be asked to log in. To determine if a logon prompt appears, test from a different machine. To log in, use the same logon information that you used in the `web.config` file.

If the test is successful, you will see an XML formatted document containing a list of parameters and reports.

Example:

```
<?xml version="1.0" encoding="utf-8" ?>
- <xrs>
- <params>
<param ReportParams="http://localhost/xrs/xrs.asmx/Ge
tReportParams" />
<param ReportPreview="http://localhost/xrs/xrs.asmx/Ge
tReportPreview" />
<param ReportDefault="http://localhost/xrs/xrs.asmx/Ge
tReportDefault" />
<param ReportAdvanced="http://localhost/xrs/xrs.asmx/Ge
tReportAdvanced" />
<param ReportColumns="http://localhost/xrs/xrs.asmx/Ge
tReportColumns" />
<param ParameterValues="http://localhost/xrs/xrs.asmx/Ge
tReportParameterValues" />
<param ReportHistory="http://localhost/xrs/xrs.asmx/Ge
tReportHistory" />
</params>
- <reports>
- <folder name="SampleReports">
<report name="Company Sales" guid="ac2a5509-54e9-467d-
b5dd-945bf260b9f3" path="http://localhost/Re
ports/Pages/Report.aspx?ItemPath=/SampleReports/Company
```

```
Sales" />
<report name="Employee Sales Summary" guid="1dae860e-
142b-4f6c-8a2c-acf8d8a219aa" path="http://localhost/Re
ports/Pages/Report.aspx?ItemPath=/SampleReports/Employee
Sales Summary" />
<report name="Foodmart Sales" guid="1fe90d9a-4241-4185-
b8cb-2d67943e7be9" path="http://localhost/Re
ports/Pages/Report.aspx?ItemPath=/SampleReports/Foodmart
Sales" />
<report name="Product Catalog" guid="4c0a2f2d-0be7-4ff1-
a595-958daf7fb306" path="http://localhost/Re
ports/Pages/Report.aspx?ItemPath=/SampleReports/Product
Catalog" />
<report name="Product Line Sales" guid="c0e7172d-ab79-
4360-a278-2c77df0005ba" path="http://localhost/Re
ports/Pages/Report.aspx?ItemPath=/SampleReports/Product
Line Sales" />
<report name="Sales Order Detail" guid="57f8787f-bad4-
4260-8e6d-f4a9913536c3" path="http://localhost/Re
ports/Pages/Report.aspx?ItemPath=/SampleReports/Sales
Order Detail" />
<report name="Territory Sales Drilldown" guid="1972e57f-
88fb-4042-8994-552c34ec5ff8" path="http://localhost/Re
ports/Pages/Report.aspx?ItemPath=/SampleReports/Territo
ry Sales Drilldown" />
</folder>
</reports>
</xrs>
```

Messages in test results

When you test your installation, the XML file may contain these additional messages.

- If the Admin user information is not in the `web.config` file on the server:

```
<?xml version="1.0" encoding="utf-8" ?>
- <ROOT>
<Message>Could not Validate Credentials - User Name:
DEVMSR2000\xrs_tester Machine Name: DEVMSR2000 -
License Key Failed - LogonUser failed with error code:
87</Message>
<StackTrace>at
Infommersion.XRS.Service.ValidateCredentials() at
```

```
Infommersion.XRS.Service.GetReports()</StackTrace>
</ROOT>
```

- If the license key was not found. This may occur if the key is not copied to the correct location or if the key is invalid.

```
<?xml version="1.0" encoding="utf-8" ?>
- <ROOT>
<Message>Could not Validate Credentials - User Name:
DEVMS2000\xrs_tester Machine Name: DEVMS2000 -
License Key Failed - Could not find file
"C:\inetpub\wwwroot\xrs.xky".</Message>
<StackTrace>at
Infommersion.XRS.Service.ValidateCredentials() at
Infommersion.XRS.Service.GetReports()</StackTrace>
</ROOT>
```

- If the user does not have permission to view reports in Reporting Services:

```
<?xml version="1.0" encoding="utf-8" ?>
- <ROOT>
<Message>System.Web.Services.Protocols.SoapException:
The permissions granted to user 'DEVMS2000\xrs_tester'
are insufficient for performing this operation. --->
Microsoft.ReportingServices.Diagnostics.Utilities.Ac
cessDeniedException: The permissions granted to user
'DEVMS2000\xrs_tester' are insufficient for performing
this operation. at
Microsoft.ReportingServices.Library.RSService.ListChil
dren(String item, Boolean recursive) at
Microsoft.ReportingServices.WebServer.ReportingSer
vice.ListChildren(String Item, Boolean Recursive,
CatalogItem[]& CatalogItems) --- End of inner
exception stack trace --- at
Microsoft.ReportingServices.WebServer.ReportingServic
e.ListChildren(String Item, Boolean Recursive,
CatalogItem[]& CatalogItems)</Message>
<StackTrace>at
System.Web.Services.Protocols.SoapHttpClientProtocol.
ReadResponse(SoapClientMessage message, WebResponse
response, Stream responseStream, Boolean asyncCall) at
System.Web.Services.Protocols.SoapHttpClientProtocol.
Invoke(String methodName, Object[] parameters) at
Microsoft.ReportingServices.ReportingService.ListChil
dren(String Item, Boolean Recursive) at
Microsoft.ReportingServices.CatalogManager.CreateXmlN
ode(XmlDocument Doc, CatalogItem Item, XmlNode
ParentNode) at Microsoft.ReportingServices.CatalogMan
```

```
ager.SerializeT  
oXML() at Infommersion.XRS.Service.GetReports()</  
StackTrace>  
</ROOT>
```

More Information

Information Resource	Location
SAP BusinessObjects product information	http://www.sap.com
SAP Help Portal	<p>Select http://help.sap.com > SAP BusinessObjects.</p> <p>You can access the most up-to-date documentation covering all SAP BusinessObjects products and their deployment at the SAP Help Portal. You can download PDF versions or installable HTML libraries.</p> <p>Certain guides are stored on the SAP Service Marketplace and are not available from the SAP Help Portal. These guides are listed on the Help Portal accompanied by a link to the SAP Service Marketplace. Customers with a maintenance agreement have an authorized user ID to access this site. To obtain an ID, contact your customer support representative.</p>

Information Resource	Location
<p>SAP Service Marketplace</p>	<p>http://service.sap.com/bosap-support > Documentation</p> <ul style="list-style-type: none"> • Installation guides: https://service.sap.com/bosap-instguides • Release notes: http://service.sap.com/releasenotes <p>The SAP Service Marketplace stores certain installation guides, upgrade and migration guides, deployment guides, release notes and Supported Platforms documents. Customers with a maintenance agreement have an authorized user ID to access this site. Contact your customer support representative to obtain an ID. If you are redirected to the SAP Service Marketplace from the SAP Help Portal, use the menu in the navigation pane on the left to locate the category containing the documentation you want to access.</p>
<p>Developer resources</p>	<p>https://boc.sdn.sap.com/ https://www.sdn.sap.com/irj/sdn/businessobjects-sdklibrary</p>
<p>SAP BusinessObjects articles on the SAP Community Network</p>	<p>https://www.sdn.sap.com/irj/boc/businessobjects-articles</p> <p>These articles were formerly known as technical papers.</p>
<p>Notes</p>	<p>https://service.sap.com/notes</p> <p>These notes were formerly known as Knowledge Base articles.</p>
<p>Forums on the SAP Community Network</p>	<p>https://www.sdn.sap.com/irj/scn/forums</p>

Information Resource	Location
<p>Training</p>	<p>http://www.sap.com/services/education</p> <p>From traditional classroom learning to targeted e-learning seminars, we can offer a training package to suit your learning needs and preferred learning style.</p>
<p>Online customer support</p>	<p>http://service.sap.com/bosap-support</p> <p>The SAP Support Portal contains information about Customer Support programs and services. It also has links to a wide range of technical information and downloads. Customers with a maintenance agreement have an authorized user ID to access this site. To obtain an ID, contact your customer support representative.</p>
<p>Consulting</p>	<p>http://www.sap.com/services/bysubject/businessobjectscounseling</p> <p>Consultants can accompany you from the initial analysis stage to the delivery of your deployment project. Expertise is available in topics such as relational and multidimensional databases, connectivity, database design tools, and customized embedding technology.</p>

