

Manually Installing the Visio Services data provider for the Visio 2010 add-in for System Center 2012 - Operations Manager

The Visio Services Data Provider for System Center 2012 - Operations Manager has the following prerequisites:

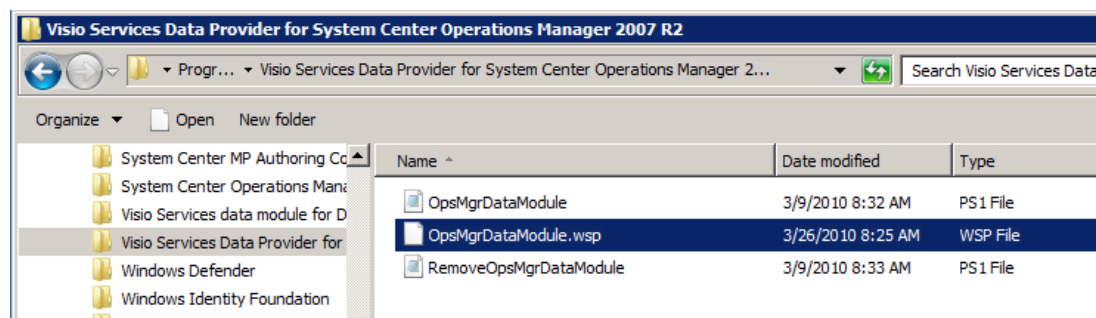
- System Center 2012 - Operations Manager console.
You can also install the [Authoring Console from Operations Manager 2007 R2](#).
- SharePoint 2010 Enterprise with Visio Services enabled
- [The Microsoft .NET Framework 3.5 SP1](http://go.microsoft.com/fwlink/?LinkID=131605), available from <http://go.microsoft.com/fwlink/?LinkID=131605>
- [The Microsoft .NET Framework 4.0](http://go.microsoft.com/fwlink/?LinkID=186913), available from <http://go.microsoft.com/fwlink/?LinkID=186913>

Unpacking the MSI

1. Run the OpsMgrDataModuleSetup.msi package by double-clicking on the MSI file.
2. Accept the license agreement.
3. Choose a location for the SharePoint deployment package to be unpacked.

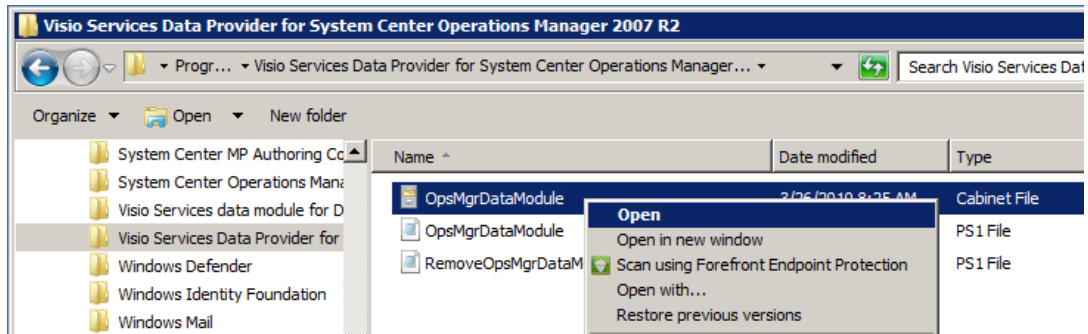
Necessary files are unpacked to C:\Program Files\.. by default. This can be changed to any location.

FYI – this MSI does not install or deploy the data provider to the servers in the farm. This MSI just unpacks the SharePoint deployment package to a location specified by the SharePoint administrator.

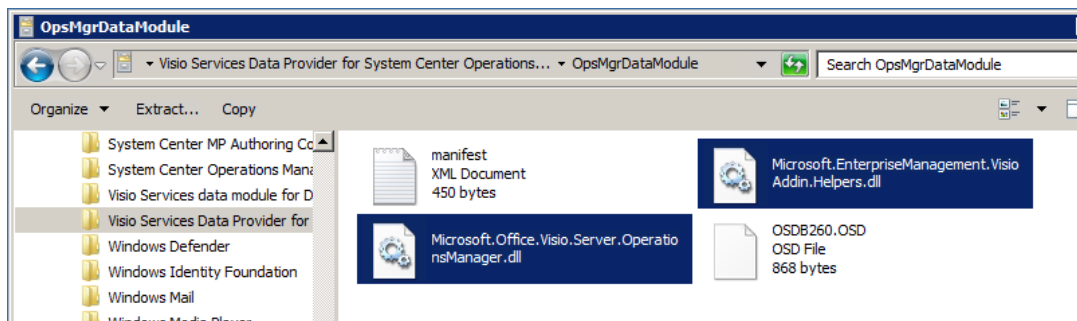


Unpacking the WSP deployment package

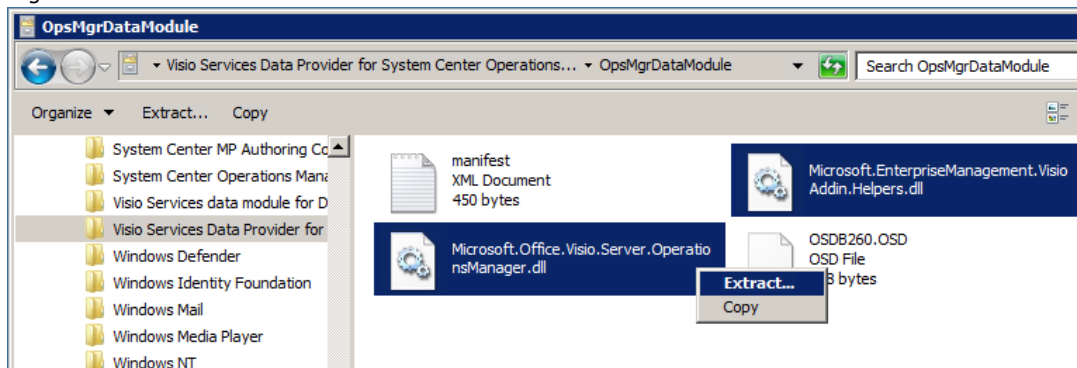
1. Rename the OpsMgrDataModule.wsp file and change the file extension from .WSP to **.CAB**.
2. Right-click on the OpsMgrDataModule.CAB file and choose the **Open** command.



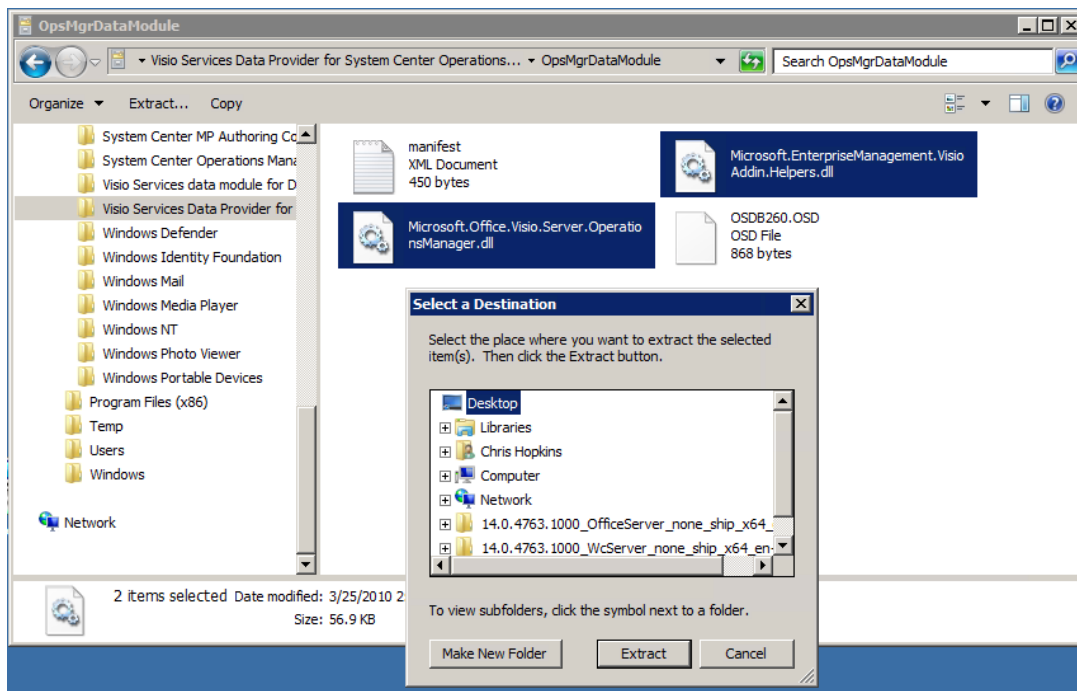
This opens the CAB file to allow you to extract the files contained within.



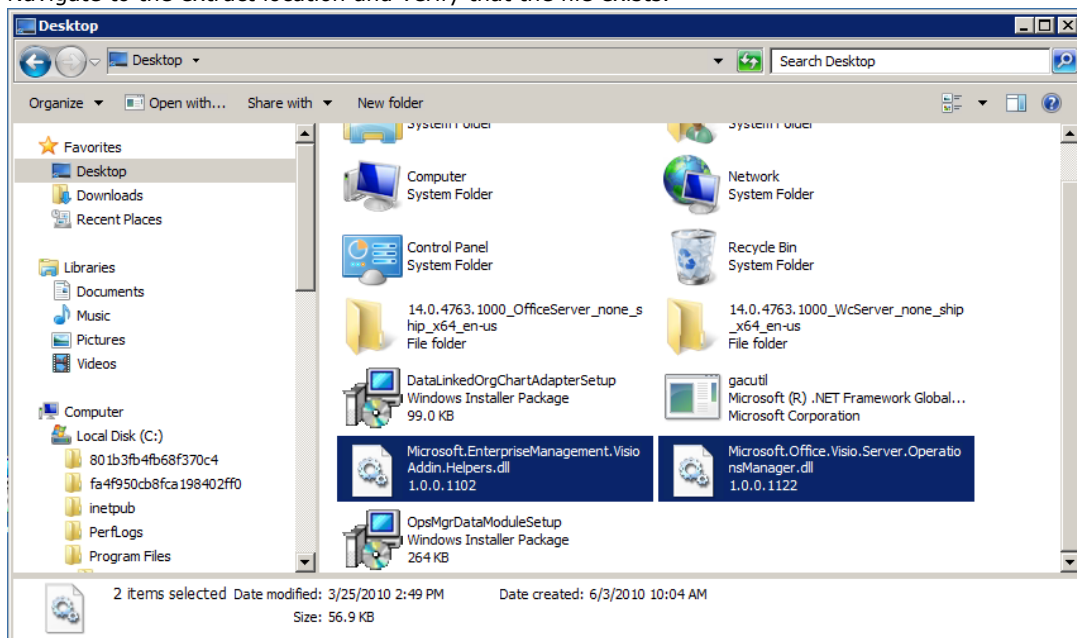
3. Hold CTRL key down and click on both of the DLL files in the CAB package to select them.
4. Right-click on one of the selected DLL files and choose the **Extract** command.



5. Choose a location for the extracted files and click the **Extract** button.
A copy of the files will be placed in that location.



6. Navigate to the extract location and verify that the file exists.

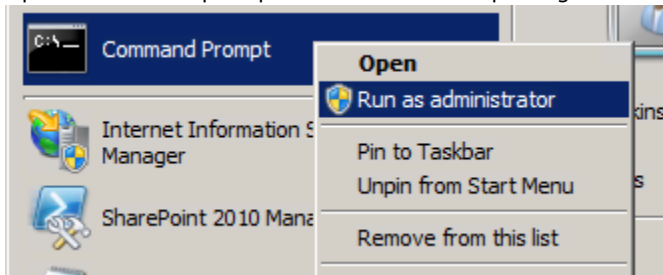


Installing the assembly to the Global Assembly Cache

For this operation you will need access to the command line utility **gacutil.exe**. This may be located in various places based on what applications you have installed as it ships with Visual Studio 2008, Visual Studio 2010, and the .NET SDK.

If you do not have a copy of GACUTIL.EXE on your SharePoint server you will need to copy this from another machine or download and install the [.NET SDK](#).

1. Open a command prompt with administrator privileges.



2. Change your path to the path that contains the file gacutil.exe.

ex. C:\WINDOWS\Microsoft.NET\Framework\v1.1.4322\

3. Run ***gacutil /i [path]Microsoft.EnterpriseManagement.VisioAddin.Helpers.dll***

ex. C:\Windows\Microsoft.NET\Framework\v1.1.4322>gacutil /I c:\users\chhopkin\Desktop\Microsoft.EnterpriseManagement.VisioAddin.Helpers.dll

This will install the Microsoft.EnterpriseManagement.VisioAddin.Helpers.dll into the GAC.

4. Run ***gacutil /i [path]Microsoft.Office.Visio.Server.OperationsManager.dll***

ex. C:\Windows\Microsoft.NET\Framework\v1.1.4322>gacutil /I c:\users\chhopkin\Desktop\Microsoft.Office.Visio.Server.OperationsManager.dll

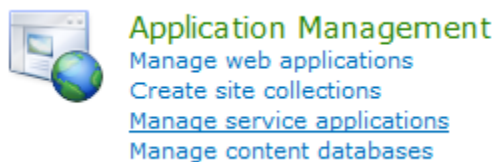
This will install the Microsoft.Office.Visio.Server.OperationsManager.dll into the GAC.

Click here for the official [Command Line Reference for GACUTIL.EXE](#).

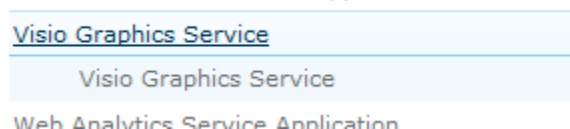
Configure the assembly as a Trusted Data Provider in Central Administration

With the DataLinkedOrgChartAdapter.DLL assembly installed to the GAC you can then create and configure a Trusted Data Provider for Visio Services via Central Administration.

1. Navigate to Central Administration site.
2. Click on the Manage Service Applications link under the Application Management section.



3. From the list of service applications click on Visio Graphics Service.



4. Click on the link to Trusted Data Providers.

Global Settings

Manage settings for performance, security, and refreshing data connections.

Trusted Data Providers

Add or remove data providers that can be used when refreshing data connections.

- Click on the link at the top of the page named 'Add a new Trusted Data Provider'.

 [Add a new Trusted Data Provider](#)

- Fill out the properties for the new data provider as shown below:

Trusted Data Provider ID The identifier for this data provider.	<input type="text" value="Microsoft.Office.Visio.Server.Operations"/>
Trusted Data Provider Type The type of this data provider. Must be one of the following values: 1 for OLEDB, 2 for SQL, 3 for ODBC, 4 for ODBC with DSN, 5 for SharePoint Lists and 6 for Visio Custom Data Providers.	<input type="text" value="6"/>
Trusted Data Provider Description The description of the purpose of this data provider.	<input type="text" value="SCOM 2007 R2"/>

a. Trusted Data Provider ID

This is the identity of the assembly that was installed to the GAC from the steps above. You can copy the full text from here:

*Microsoft.Office.Visio.Server.OperationsManagerModule.OperationsManagerDataModule,
Microsoft.Office.Visio.Server.OperationsManager, Version=1.0.0.1122, Culture=neutral,
PublicKeyToken=31bf3856ad364e35*

b. Trusted Data Provider Type

Set this to **6** because this is a custom provider.

c. Trusted Data Provider Description

You can set this to any description that helps you identify the data adapter.

- After filling out the properties for the new Trusted Data Provider click on the **OK** button at the bottom of the form and the new data provider will be provisioned and ready for use.