

Using the Visio 2010 Add-in for System Center 2012 - Operations Manager

The Visio 2010 Add-in for System Center 2012 - Operations Manager combines the strengths of two applications widely used in enterprise IT to simplify the creation of customized dashboards that show the health of an environment. The Visio Add-in lets you create diagrams that show objects by geography on a map, by location in a data center or building, by role in a logical view of an application, or by topology for complex distributed applications such as Microsoft Exchange Server or technologies such as Active Directory Domain Services.

The Visio Add-in has the following features:

- Distributed applications exported from Operations Manager as Visio documents automatically show live health state information on the exported objects when opened in Microsoft Visio.
- You can easily create new Visio documents and link shapes to any managed object (such as a computer, database, Web site, or perspective) to show the current health state.
- You can automatically link entire existing Visio documents to the computer and to network devices managed by Operations Manager by matching computer names or IP addresses.
- Health states can be automatically refreshed in Visio documents. You can use this option along with Visio's full-screen view to create dashboard views suitable for use as a summary display in a data center control room.
- Predefined data graphics enable you to switch from Operations Manager health icons to the shape color for health state.
- **NEW** - Health states can be automatically refreshed in published Visio documents that are hosted in a SharePoint 2010 document library when the Visio Services data provider for System Center 2012 - Operations Manager is installed and configured on the SharePoint 2010 Farm.

The following topics provide information about how to install, configure, and use the Visio Add-in.

- [Install the Visio Add-in](#)
- [Install the Visio Services data provider](#)
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- [Add Links to Operations Manager to a New or Existing Visio Document](#)
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Install the Visio Add-in

The Visio 2010 Add-in for System Center 2012 - Operations Manager has the following prerequisites:

- System Center 2012 - Operations Manager console.
As an alternative, you can also install the [Authoring Console from Operations Manager 2007 R2](#).
- Microsoft Visio 2010 Professional or Premium edition
- [Visual Studio Tools for Office 2010](#)
- [The Microsoft .NET Framework 4.0](#)

When you run the Setup program for the Visio Add-in, your system is checked against these requirements. If your system does not meet the requirements, a link is provided so that you can download the missing software.

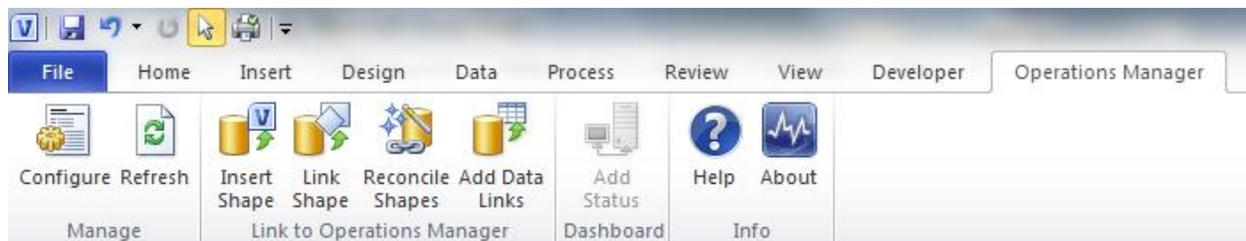
To install the Visio Add-in

1. If you have installed any previous versions of the Visio add-in for Operations Manager 2007 R2, uninstall them now.
2. In Windows Explorer, double-click **OpsMgrAddinSetup.msi**. This is the setup for the client.

If your computer does not meet the prerequisites, you will receive a message that indicates the missing requirements. Install the required software, and then run the setup program again.

3. On the Welcome page, click **Next**.
4. Read the license agreement, select **I Agree**, and then click **Next**.
5. Specify the installation location, and then click **Next**.
6. Click **Next** to start the installation.
7. Click **Close** when the installation is complete.

The next time you start Visio, you will be asked if you want to install the Visio add-in. Click **Install**. When the installation is complete, the **Operations Manager** tab is now available on the Visio ribbon.



Install the Visio Services data provider

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

- System Center 2012 - Operations Manager console or [Authoring Console](#).
As an alternative, 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>

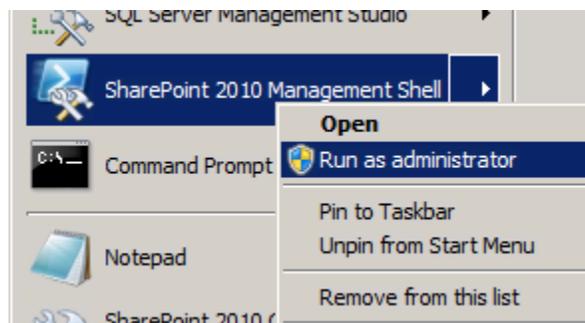
To install the Visio Services data provider

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.

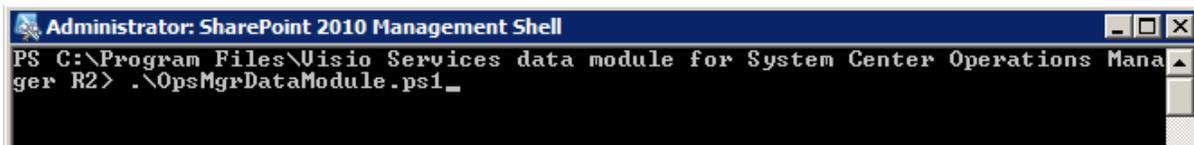
FYI – this MSI does not install or deploy the data provider to the servers in the farm. This MSI just unpacks the SharePoint deployment package to a location specified by the SharePoint administrator.

4. Open the SharePoint 2010 Management Shell as administrator

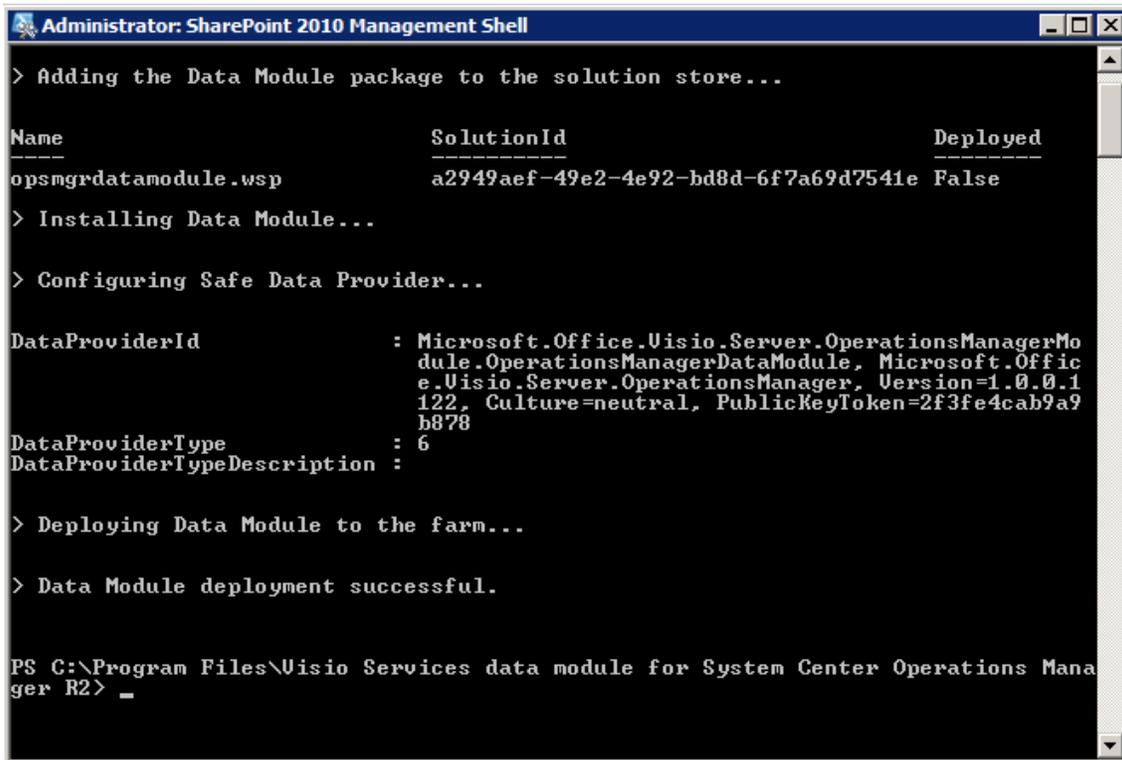


5. Execute the OpsMgrDataModule.ps1 PowerShell script.

This script will install the deployment package to the solution store for the farm and then deploy the data module to each of the servers in your farm.



Example results from running the script...



```
Administrator: SharePoint 2010 Management Shell
> Adding the Data Module package to the solution store...

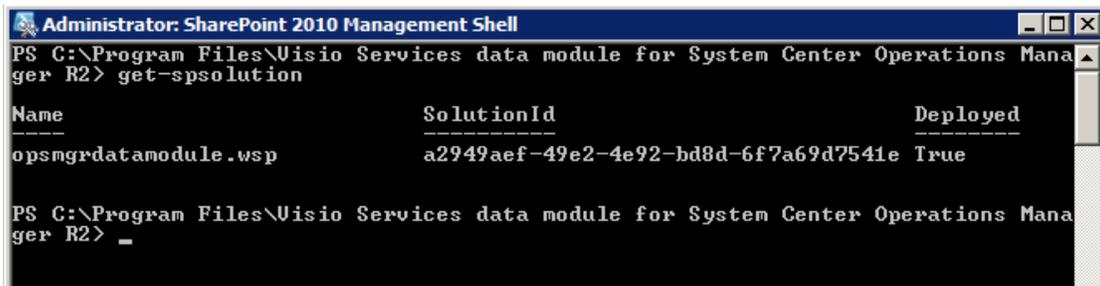
Name                SolutionId                Deployed
-----                -
opsmgrdatamodule.wsp  a2949aef-49e2-4e92-bd8d-6f7a69d7541e False
> Installing Data Module...
> Configuring Safe Data Provider...

DataProviderId       : Microsoft.Office.Uisio.Server.OperationsManagerModule.OperationsManagerDataModule, Microsoft.Office.Uisio.Server.OperationsManager, Version=1.0.0.1122, Culture=neutral, PublicKeyToken=2f3fe4cab9a9b878
DataProviderType     : 6
DataProviderTypeDescription :

> Deploying Data Module to the farm...
> Data Module deployment successful.

PS C:\Program Files\Uisio Services data module for System Center Operations Manager R2> _
```

6. Verify that the package was deployed by executing the **get-spsolution** command. After executing this command you should see the Deployed column marked as True.

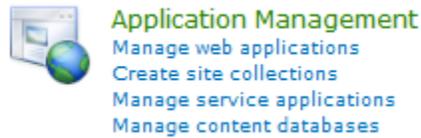


```
Administrator: SharePoint 2010 Management Shell
PS C:\Program Files\Uisio Services data module for System Center Operations Manager R2> get-spsolution

Name                SolutionId                Deployed
-----                -
opsmgrdatamodule.wsp  a2949aef-49e2-4e92-bd8d-6f7a69d7541e True

PS C:\Program Files\Uisio Services data module for System Center Operations Manager R2> _
```

7. Verify the data provider was listed as a Trusted Data Provider for Visio Services using Central Administration.
 - a. From **Central Administration** click on **Manage Service Applications** from the Application Management group



- b. In the list of service applications click on **Visio Graphics Service** application link.



- c. On the **Manage the Visio Graphics Service** page, click on **Trusted Data Providers**

- d. In the list of trusted data providers look for the OperationsManagerDataModule as shown in the screen shot below. If this is listed then the data provider for Operations Manager is deployed.

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

To configure Visio Services for Read-Only Operator permissions on the management server

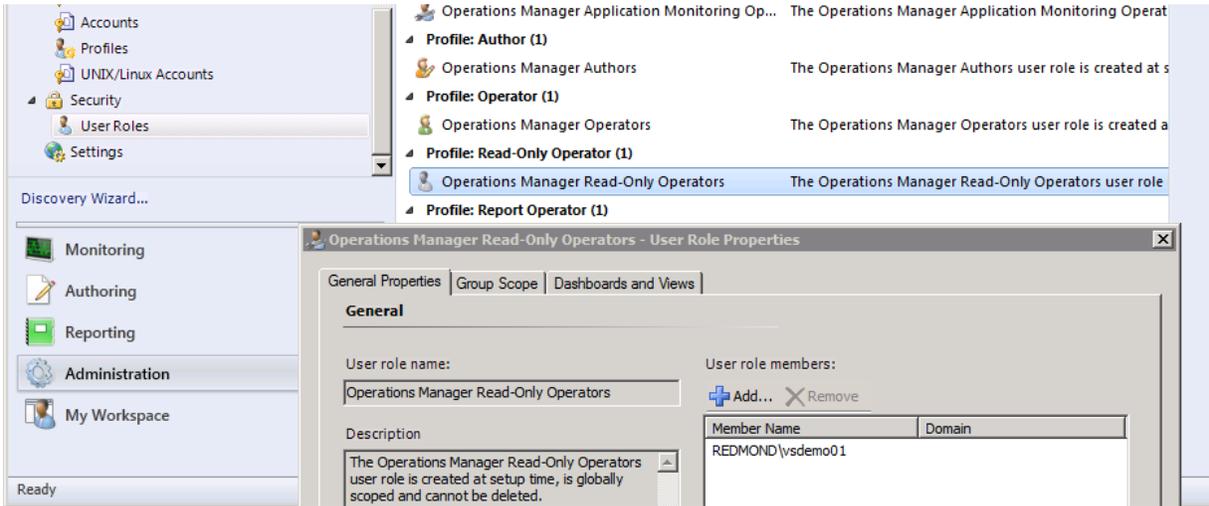
In order for Visio Services to refresh the diagrams that are published and connected to Operations Manager data, the Visio Services service application must be configured with credentials that have access to the management server. This is because the Visio Services service application is executing the data provider which is responsible for returning the updated dataset from the management server.

The easiest way to configure this is to make the account that Visio Services is running as a Read-Only Operator on the management server.

To do this...

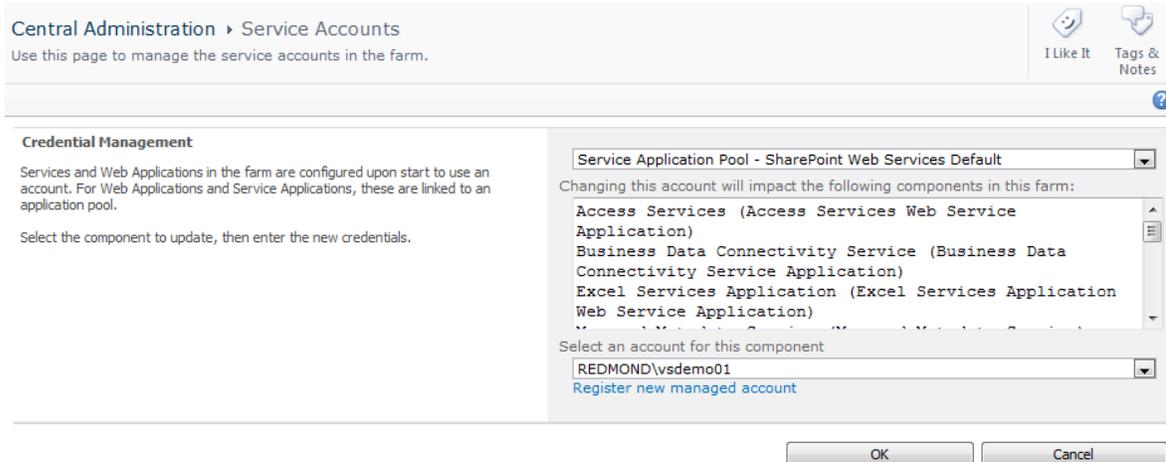
1. Run the Operations Manager console.
2. From the **Administration** tab click on **User Roles**.
3. In the User Roles list **double-click** on the **Read-Only Operators** role.

4. Add the account that is configured for Service Application Pool.



If you need to determine the account that is configured for Visio Services you can view this using Central Administration.

1. **Open** the **Central Administration** site.
2. **Click** on the **Configure Service Accounts** from the Security section.
3. In the list of Service Accounts choose **Service Application Pool – SharePoint Web Services Default**.
4. Make note of the account that is configured for this service application.
5. **Click Cancel** or close the Central Administration site.



Configure the Operations Manager Data Source in Visio

Before Visio can interact with Operations Manager, you need to configure Operations Manager as a data source for your Visio document. You also need to configure the Operations Manager web console address to enable opening the Health Explorer directly from Visio. You need to configure these items for each Visio document you create.

To configure the Operations Manager data source and Web console address in Visio

1. Open a new drawing in Visio.
2. On the ribbon, click on the **Operations Manager** tab, and then click on the **Configure** button.
3. In the **Name** field, type the name of the management server.
4. In the **Address** field, type the address for the Web console. This is the console that is used to launch the Health Explorer from Visio.

If you do not know the address, and you have Operations Manager administrator privileges, click **Look up web console address**. If you do not know the address, and you are not an Operations Manager administrator, contact the administrator for the address, and then type it in the **Address** field.

5. If you want to receive regular updates of state information from the management server, select **Automatically refresh data**, and then specify a refresh interval in seconds.
6. Click **OK**.

The screenshot shows the 'Configure Data Source' dialog box. It contains the following fields and controls:

- Root Management Server**: A text box labeled 'Name:' with the value 'vgsscom01'.
- Web console address (ex. http://myserver:51908)**: A text box labeled 'Address:' with the value 'http://VGSSCOM01:51908'. Below it is a button labeled 'Look up web console address'.
- Automatic data refresh**: A section containing an unchecked checkbox labeled 'Automatically refresh data' and a spinner control labeled 'Refresh interval:' with the value '60' and the unit 'seconds'.
- At the bottom right, there are two buttons: 'OK' and 'Cancel'.

View a Distributed Application Diagram in Visio 2010

When you export a distributed application from the System Center 2012 - Operations Manager console and then open it in Microsoft Visio 2010 with the Visio 2010 Add-in for System Center 2012 - Operations Manager installed, the Visio diagram contains information about the health state of each object. This information is provided through an automatic connection to Operations Manager.

To view a distributed application as a Visio diagram

1. In the Operations console, open your diagram.
2. On the toolbar, click the **To Visio** icon.



3. Open the folder in which you want to save the diagram, type a file name, and then click **Save**.
4. In Visio, open the exported diagram.

The add-in automatically contacts the management server when the diagram is opened.

5. If you are prompted, type the user credentials for the management server, and then click **OK**.

When the diagram opens, the External Data window appears in the lower pane of Visio. This window contains detailed information about the objects in the diagram, including the health state and the last time the object state was refreshed in the diagram.

You can drill into the status of any object by opening the Health Explorer in the web console. To do this, right-click the object and click the **Health Explorer** hyperlink. Before you can do this, make sure you have configured the address for the web console or these links will not be available. See [Configure the Operations Manager Data Source in Visio](#) for more information.

Now that you have the initial diagram in Visio, you can customize it by adding new shapes. You can add links to Operations Manager components by dragging an object from the External Data window to an image or drawing in the diagram. The data is automatically linked to the image.

Add Links to Operations Manager to a New or Existing Visio Document

The Visio 2010 Add-in for System Center 2012 - Operations Manager lets you create a new Microsoft Visio document that you can link to Operations Manager objects. The Visio Add-in also lets you add live health state information to an existing Visio document.

To do this, you first specify the Operations Manager management server from which the Visio add-in will get information about the managed objects and their health state. Then, you add the links by using one of the following methods:

- Link a single shape to a managed object. You can quickly link a few shapes to any object managed by Operations Manager.
- Add multiple links to the document and then associate these to Visio shapes later. This option works best for large documents that have many different types of managed object.
- Automatically link shapes in the document to computers and to network devices. This option uses a single wizard to automatically add health state information to large and complex network or topology diagrams.
- Insert a new shape that is linked to an Operations Manager object and that uses the Operations Manager icons.

To link a single Visio shape to an object managed by Operations Manager

1. In a Visio document, select a shape, click the **Operations Manager** tab from the ribbon, and then click the **Link Shape** button.
2. Select the Operations Manager class of the object, such as **Windows Computer**, to display a filtered list of available Operations Manager objects.
3. Select the object that you want to link to this shape, and then click **Link**.

The shape in the diagram now includes a state indicator in the upper-right corner of the image.

To add multiple links to objects managed by Operations Manager

1. Click **Operations Manager** tab from the ribbon, and then click the **Add Data Links** button.
2. Select the class from the management server.
3. Select the managed objects you want to link to this diagram, and then click **Insert**.

This will add the selected managed objects to the dataset in the Visio diagram which can be viewed from the External Data window.

4. In the External Data window, select the row for the managed object that you want to connect to a shape in the diagram.
5. Drag the managed object row and drop it on the shape, this will establish the link between the shape and that managed object's record.

To automatically link multiple Visio shapes to Operations Manager managed computers and network devices

1. Open the Visio document.

Ensure that each shape has defined shape data, such as the Network Name or IP address properties, or shape text (such as the IP address of the object).

To view the shape data for a specific shape, right-click the shape, click **Data**, and then click **Shape Data**.

This opens the Shape Data window that displays the Shape Data fields and values for the selected shape in the diagram.

2. Select all the shapes in the document.
3. Click **Operations Manager** tab from the ribbon, and then click **Reconcile Shapes**.
4. In the Automatically Link wizard, select **Selected shapes** or **All shapes in the document**, and then click **Next**.
5. Match the Visio shape property to the Operations Manager property. For example, match the Visio network name to the Operations Manager display name. The following Operations Manager classes are matched automatically:

- Windows Computer (Microsoft.Windows.Computer)
- Unix Computer (Microsoft.Unix.Computer)
- SNMP Network Device (Microsoft.SystemCenter.NetworkDevice)

Click **Next**.

6. Review the list of matches. Click to clear any objects you do not want to link, and then click **Next**.

If more than one match is found, click **Select** to choose the object you want to link to. If no matches are found, click **Browse** to search for the object.

7. Review the list of links to define, and then click **Finish**.

Shapes are automatically connected to the managed objects they represent from the management server.

To insert a shape that is linked to an Operations Manager object

1. In your Visio diagram, click **Operations Manager** tab from the ribbon, and then click **Insert shape**.
2. Select the class of the object you want to insert. This filters the available objects to only those of the specified class. You can also search for a specific object.
3. Select the specific object, and then click **Insert**.

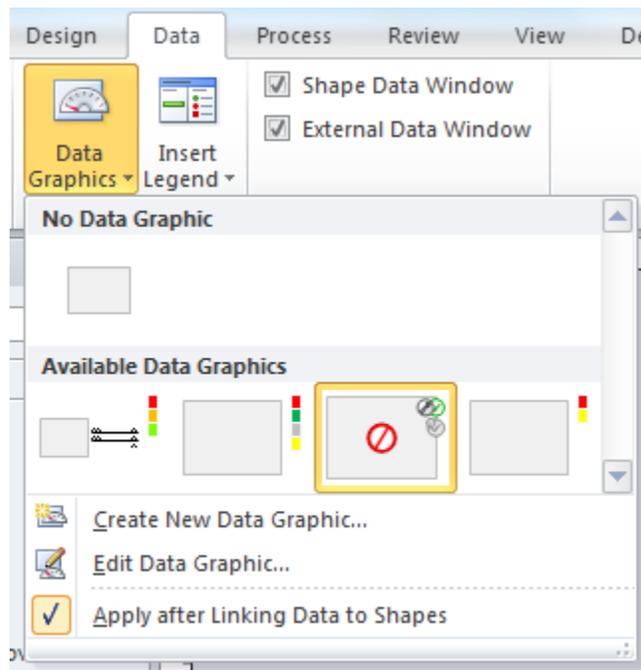
The new shape is added to the diagram. The shape icon matches those of other Operations Manager objects of the same class, and the shape data is populated with information from the management server.

Change the Way Health State Is Represented

By default, health state is depicted by using the System Center 2012 - Operations Manager health icons (such as the green check mark for a healthy state). You can customize the way that health state is shown by changing the Data Graphic associated with the Visio shape. For example, you can show the health state by filling the shape with red, yellow, green, or grey color to represent the three health states and to represent a managed object in maintenance mode.

To change the way that health state is represented

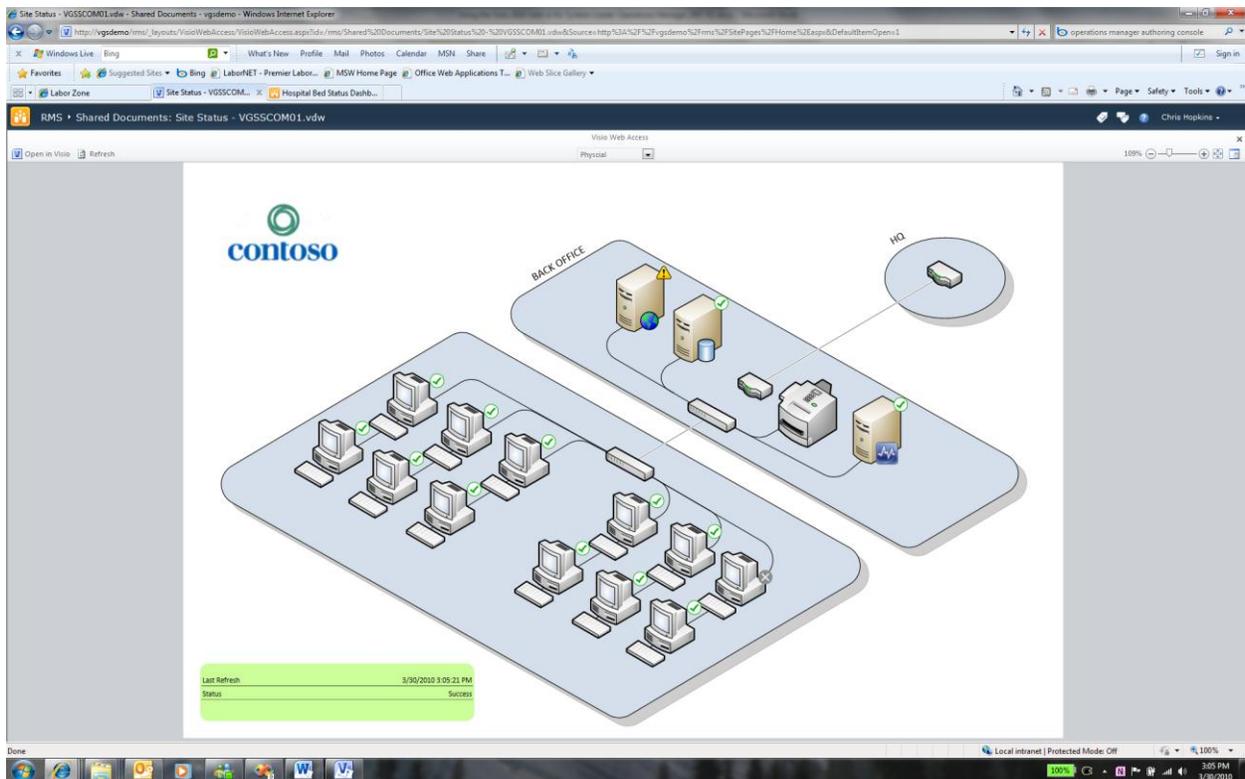
1. Select the shape or shapes that you want to change.
2. On the **Data** tab in Microsoft Visio 2010, click **Data Graphics**.
3. In the Data Graphics gallery, click the data graphic that you want to use for the selected shape(s). The Visio 2010 Add-in for System Center 2012 - Operations Manager includes two data graphics to choose from. The **SCOM IconSet** data graphic shows health state using icons as in Operations Manager. The **SCOM Color by Value** data graphic uses red, yellow, green, or grey color to represent the three health states and to represent a managed object in maintenance mode.



Note: In addition to the data graphics that come pre-configured for the add-in you can also create your own.

Publishing the diagram to SharePoint 2010

With the add-in installed on the client and the data provider installed on the SharePoint server you can now publish diagrams that you have connected to Operations Manager data to a SharePoint document library to share them with others in your organization.

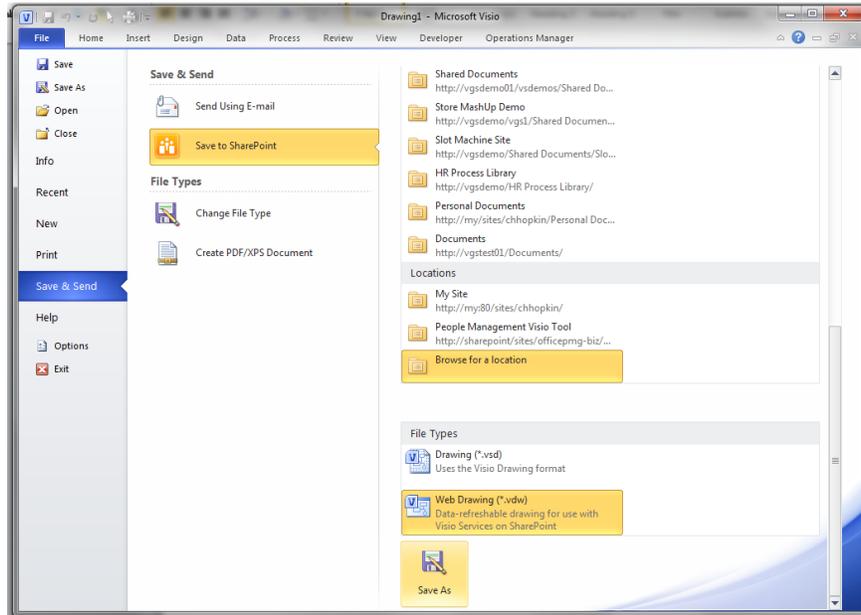


To publish to a document library

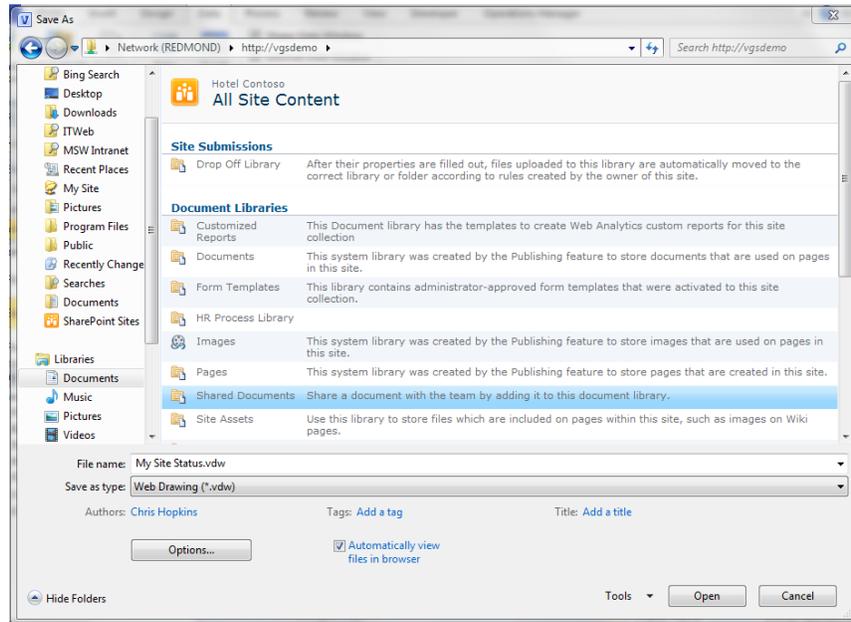
1. From the **File** tab on the Visio 2010 ribbon, click on the **Save & Send** option.
2. Click on the **Save to SharePoint** button.
3. Click on the **Browse for a location** option under Locations.
4. Under File Types make sure to choose the Web Drawing (*.vdw) option.

If you do not choose this option the drawing will not be visible using the browser, only the client.

- Click on the **Save As** button.



- In the Save As dialog, choose the name and location for the file. To browse to a SharePoint server simple enter the name of the SharePoint server in the address box and press the Go To button.



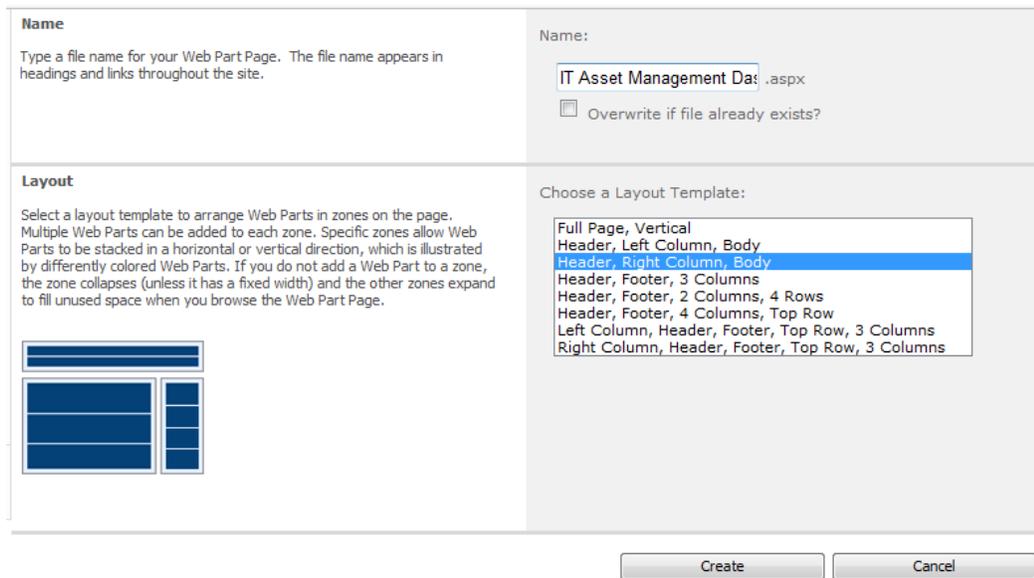
Once the diagram is saved to a document library using the VDW file format you can simply browse to the document library in your browser and click on the link to the document and the Visio diagram will render in the browser. With the data provider installed the data will also be refreshed directly from the management server.

Building a simple monitoring dashboard using the Visio Web Part

SharePoint 2010 Enterprise edition also includes a Web Part for Visio Services called the Visio Web Access Web Part. This Web Part can be included on any SharePoint Web Part Page allowing you to build a dashboard that includes visualizations using published Visio diagrams.

To build a monitoring dashboard for your published Visio diagram

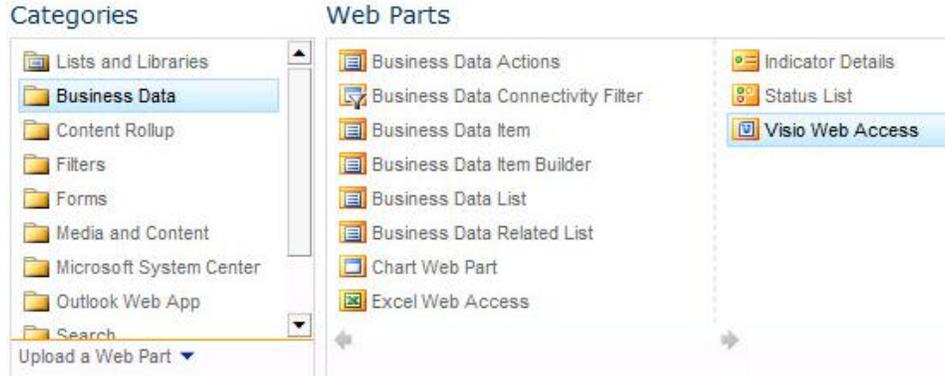
1. Open Internet Explorer.
2. Navigate to your SharePoint 2010 site.
3. Navigate to the Shared Documents document library.
4. Click on the Site Actions menu above the ribbon.
5. Click on the More Options menu item.
6. Choose the Web Part page and click the Create button.
7. Enter a name for this new page.



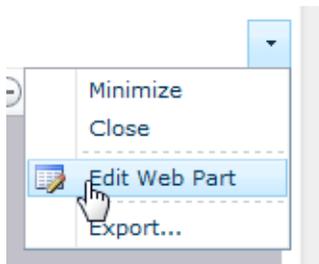
The screenshot shows the 'Create New Web Part Page' dialog box in SharePoint 2010. It is divided into two main sections: 'Name' and 'Layout'.
In the 'Name' section, there is a text input field containing 'IT Asset Management Da.aspx' and a checkbox labeled 'Overwrite if file already exists?'.
In the 'Layout' section, there is a list of layout templates. The selected template is 'Header, Right Column, Body'. Other visible templates include 'Full Page, Vertical', 'Header, Left Column, Body', 'Header, Footer, 3 Columns', 'Header, Footer, 2 Columns, 4 Rows', 'Header, Footer, 4 Columns, Top Row', 'Left Column, Header, Footer, Top Row, 3 Columns', and 'Right Column, Header, Footer, Top Row, 3 Columns'.
At the bottom of the dialog, there are two buttons: 'Create' and 'Cancel'.

8. Choose the Header, Right Column, Body layout template.
9. Click Create to create the new Web Part Page.
The new Web Part page is opened in edit mode.
10. Select the Body zone by clicking once on the Body zone. You should see a new Insert tab displayed on the ribbon when you have a zone selected.
11. Select the Insert tab on the ribbon and click on the Web Part button.

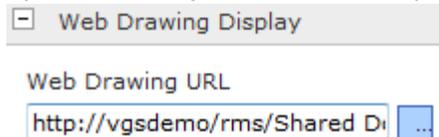
12. From the Categories list choose Office Client Applications and then from the Web Parts list choose Visio Web Access.



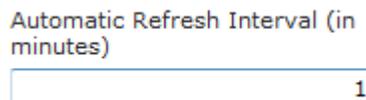
13. Click on the Add button and the Visio Web Access Web Part should be added to the Body zone of the Web Part page.
14. Edit the properties of the VWA Web Part by selecting Edit Web Part from the Edit menu on the Web Part toolbar.



15. Set the Web Drawing URL property of the VWA Web Part by clicking on the Browse button (...) and navigating to the document library where you published a Visio diagram that is connected to Operations Manager data. Select the published diagram and click OK.



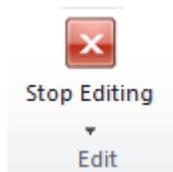
16. Set the Automatic Refresh property to 1 minute (1 minute is the minimum value supported). This allows the dashboard to automatically refresh the diagram every 1 minute from the connected management server.



17. Hide the Open in Visio button by unchecking the Show Open in Visio property in the Toolbar and User Interface section.



18. Click on OK and the changes to the properties of this Web Part will be applied.
 - a. You should see the published Visio diagram rendered at this time.
19. Exit edit mode for this page by clicking on the Stop Edit button on the Edit tab of the ribbon.



At this point your Web Part page should be displayed and your published diagram should be rendered within the VWA Web Part. You should also notice that the default Open in Visio button is no longer available from the VWA toolbar.

Troubleshooting the Visio Add-in

You might see the following issues when you use the Visio 2010 Add-in for System Center 2012 - Operations Manager.

The font size of inserted shapes might appear too small

When you insert a new graphic by using the **Insert Shape** option, the font size for the shape text might appear too small. The size is determined by the default font size set for a template.

You can change the font size by selecting the shape and then choosing a different font size in the Visio toolbar.

Hyperlinks on sub-shapes are not available

Health Explorer and Alert View hyperlinks might not be available in Edit mode or Full Screen mode if you have grouped your shapes or added links to any shapes that were already contained within groups.

Alert View link is no longer available

The Alert View link has been removed from the 2012 version of the add-in. Clicking on the Health Explorer link will launch the web console and from the home page of the web console you can select the Alert View link.

You receive a ConfigurationErrorsException error message

You might see the following error message:

```
System.Configuration.ConfigurationErrorsException: Configuration system failed to initialize --->
System.Configuration.ConfigurationErrorsException: Unrecognized configuration section userSettings.
(C:\Documents and Settings\asttest\Local Settings\Application Data\Microsoft Corporation
\OpsMgrAddin.vsto_vstoloca_Path_logwdvddmizljsrbc2bvt5gtm5juzdix\12.0.6325.5000\user.config
line 3)
.
.
.
```

To work around this problem, delete the configuration file identified at the top of the error message. For example, delete the following file:

```
\OpsMgrAddin.vsto_vstoloca_Path_logwdvddmizljsrbc2bvt5gtm5juzdix\12.0.6325.5000\user.config
```

A runtime error occurred during the loading of the COM Add-in

After starting Visio you notice that the Operations Manager tab is missing from the ribbon.

If you navigate to the list of installed COM Add-ins you will see that the add-in is not loaded and that a generic error message is given 'A runtime error occurred during the loading of the COM Add-in.'

To view the list of installed COM Add-ins click on the **File** tab in the Visio ribbon, then select **Options**. In the Options dialog select the **Add-Ins** category on the left hand side. At the bottom of the Add-Ins options page change the **Manage** option to **COM Add-ins** and then click the **Go...** button.

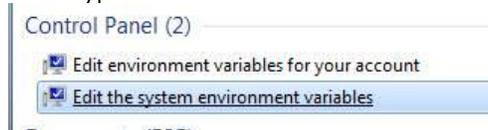


The target machine not having the VSTO 2010 runtime installed is a common cause of this behavior. Please verify that the VSTO 2010 runtime is installed on the target machine. If VSTO 2010 is installed it may be necessary to determine the exact error that is causing the add-in to unload.

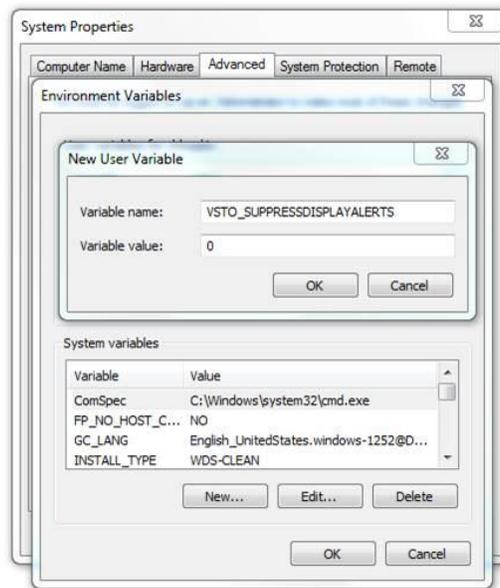
In order to view the detailed error that is causing the add-in to not load you will need to set an environment variable to tell the VSTO runtime to display loading exceptions. To do this, edit the system environment variables and add a new variable

VSTO_SUPPRESSDISPLAYALERTS with the value 0

To do this, click on the **Start** button and type **Environment Variables** in the Run box and you should see...



In the System Properties dialog, select the Advanced tab. On the Advanced tab, at the bottom of the dialog, click on the New... button. Set the Variable name field to X and set the Variable value field to 0 as shown...



Click on OK to submit the change and close all the dialogs.
Restart Visio and look for any new errors to be displayed.



The example error message above points out that the VSTO 2010 runtime is not installed and needs to be installed on the target machine to continue.

You receive a `MissingMethodException` error message

You might see the following error message:

```
System.MissingMethodException: Method not found: 'System.Security.SecureString
System.Windows.Controls.PasswordBox.get_SecurePassword()'.
   at Microsoft.EnterpriseManagement.VisioAddin.EnterCredentials.get_Password()
   at Microsoft.EnterpriseManagement.VisioAddin.SCOMHelpers.EnterCredentials(ManagementGroupConnectionSettings&
connectSettings)
   at Microsoft.EnterpriseManagement.VisioAddin.Document.ConnectToManagementGroup()
   at Microsoft.EnterpriseManagement.VisioAddin.Document.AddDataLinkToShape()
```

To resolve this problem, install [Microsoft .NET Framework 3.5 SP1](http://go.microsoft.com/fwlink/?LinkID=131605), available from <http://go.microsoft.com/fwlink/?LinkID=131605>.

The state graphic is not displayed

The state graphic does not appear on a stencil even though you have linked the shape with the **Link Shape to Data** option.

Some stencils in Visio are not defined with a wrapping group. To resolve this problem, create a group for the shape, and then use the **Link Shape to Data** option again. To create a group, right-click the shape, and then click **Shape** and **Group**.

You see security warnings when you open a diagram

When you open a document that you previously linked to Operations Manager, you receive multiple security warnings.

This problem occurs because the status of the document components is set to refresh automatically. To suppress the warnings, select **Don't show this message again**.

You cannot re-install the Visio Add-in

If you delete the Operations Manager Add-in by using the Visio Trust Center, you cannot add it again later.

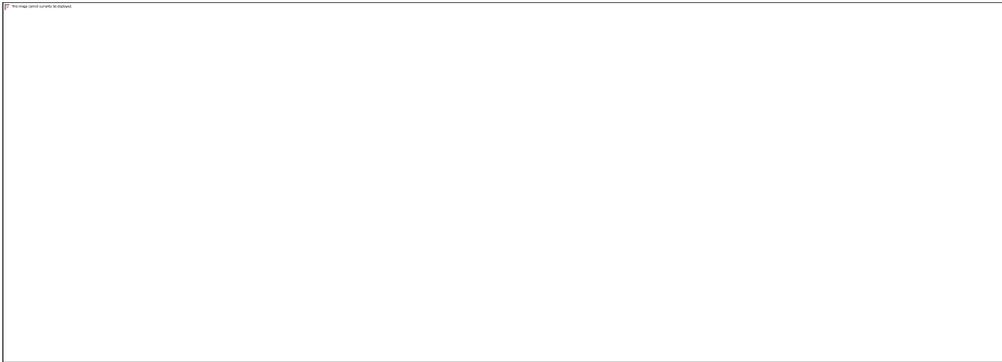
This behavior occurs by design in Visio. Before you can add the Operations Manager Add-in again, uninstall it by using Add/Remove Programs (or Programs and Features) in the Control Panel, and then reinstall it.

Troubleshooting the Visio Services data provider

If you run into issues using the Visio Services data provider for System Center 2012 - Operations Manager you can enable a trace log that will be generated for each user and each of their sessions for only published Visio diagrams that are linked to Operations Manager data using the add-in.

To enable the trace log for the data provider

1. Edit the config file in notepad and change the location of the log files that will be generated to a location on the server or the network that the SharePoint application pool account has write access.



2. Copy the config file to the GAC to the same location as the data provider assembly on each server in the farm that has the data provider assembly installed.

```
Directory of C:\Windows\assembly\GAC_MSIL\Microsoft.Office.Visio.Server.OperationsManager\1.0.0.1122__31bf3856ad364e35
03/25/2010 12:16 PM <DIR> .
03/25/2010 12:16 PM <DIR> ..
03/17/2010 10:52 AM      20,928 Microsoft.Office.Visio.Server.OperationsManager.dll
10/14/2009 03:52 PM      213 Microsoft.Office.Visio.Server.OperationsManager.dll.config
                2 File(s)      21,141 bytes
                2 Dir(s)   106,747,666,432 bytes free
```

The next time a diagram is refreshed this config file will be checked and logs will be written to the location that you specified in the config file.

Each refresh operation will be recorded in a separate log file with the name of the file reflecting the user that attempted a refresh and the date and time of the refresh request.

| Name | Date modified | Type | Size |
|--|--------------------|---------------|------|
|  chhopkin_3-25-2010_12-23-18_PM.log | 3/25/2010 12:23 PM | Text Document | 5 KB |
|  chhopkin_3-25-2010_12-23-37_PM.log | 3/25/2010 12:23 PM | Text Document | 5 KB |

The log file contains the following items:

- The user name for the user that initiated the request including the date and time
- The version of the assembly installed on the server
- The command string that was configured in the diagram before publishing to the server
- Details about the dataset to be refreshed including table count, row count and IDs for each row.
- Any error conditions or exceptions that occur within the data module for each session.

Machine Account does not have sufficient permission

If your SharePoint farm is a standalone installation the machine account will be used instead of the account that is assigned to the application pool. Operations Manager will not allow you to add a machine account to any of the roles, so this scenario is not supported for data refresh. Your SharePoint installation must be a Farm installation.

| | |
|---|----------------------|
| Last Refresh | 3/14/2012 9:10:05 AM |
| Status | Error |
| The user REDMOND\CHHOPKIN-SPDEV\$ does not have sufficient permission to perform the operation. | |

The data provider will not deploy or hangs during deployment

The deployment script requires that the SharePoint Timer service be started and running. This service is used to queue the deployment jobs to the machines in the farm.

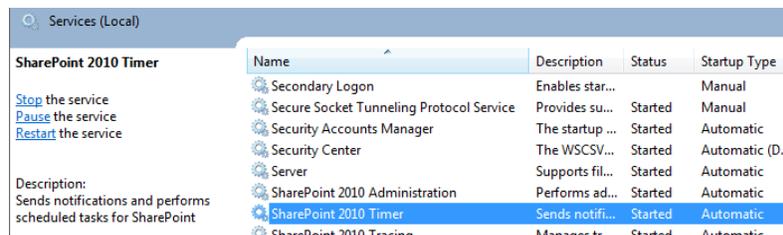
```
Administrator: SharePoint 2010 Management Shell
+ FullyQualifiedErrorId : Microsoft.SharePoint.PowerShell.SPcmdletInstallation

> Configuring Safe Data Provider...

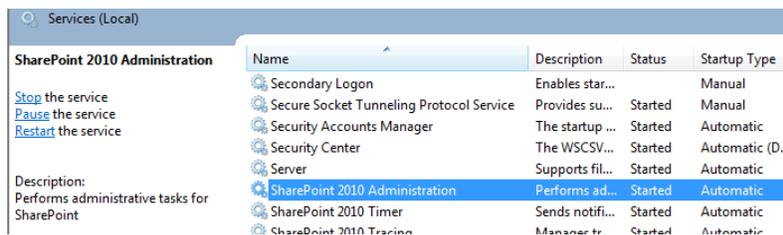
DataProviderId      : Microsoft.Office.Uisio.Server.OperationsManagerModule.OperationsManagerDataModule, Microsoft.Office.Uisio.Server.OperationsManager, Version=1.0.0.122, Culture=neutral, PublicKeyToken=31bf3856ad364e35
DataProviderType    : 6
DataProviderTypeDescription :

> Deploying Data Module to the farm...
```

1. If this is stopped the Deployment step in the deployment script could hang indefinitely or return with an error. If this occurs check to make sure that the SharePoint Timer service is started and running.



2. Also ensure that the SharePoint 2010 Administration service is running as this service is required for the timer service to operate across the machines in the farm.
<http://technet.microsoft.com/en-us/library/ee513051.aspx>



An error occurred running the deployment script

Make sure that you run the SharePoint 2010 Management Shell as an administrator or the script will fail.

