

HP Operations Manager

For the Windows® operating system

Software Version: 9.00

Deployment Checklist

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Acknowledgements

This product includes software developed by the JDOM Project (<http://www.jdom.org/>).
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Preparing the Management Server

Install WMI Hotfixes.

1. Download the following Microsoft WMI hotfixes from Microsoft:

Operating System	Hotfix
Microsoft Windows Server 2008 R2	http://support.microsoft.com/kb/982293 http://support.microsoft.com/kb/981314 http://support.microsoft.com/kb/977589 http://support.microsoft.com/kb/977357 http://support.microsoft.com/kb/970413 http://support.microsoft.com/kb/974930 ¹
Microsoft Windows Server 2008 R2 SP1	No WMI hotfixes are required.

Tip: When requesting a hotfix, make sure that the platform and language of the management server are the same as the platform and language of your browser. If they are not, click **Show hotfixes for all platforms and languages** and select the hotfix for the platform and language of the management server.

2. Install these WMI hotfixes on the management server.
3. Reboot the management server system.

A reboot is required because the installation of these hotfixes disables WMI notifications until the next reboot. Without WMI notifications, HPOM does not work correctly.

Adapt the WMI Configuration

1. Increase the volume of events that WMI can handle:
 - a. Click **Start** → **Run**. Then type `wbemtest.exe` and connect to the `root\cimv2` namespace.
 - b. Click **Enum Instances**.
 - c. Type `Win32_WMISetting` and click **OK**.
 - d. Double-click the resulting instance (there will be only one).
 - e. Double-click **HighThresholdOnEvents** in the Properties list box.
 - f. Set **HighThresholdOnEvents** to 80000000 and click **Save Property**.
 - g. Double-click **LowThresholdOnEvents** in the Properties list box.
 - h. Set **LowThresholdOnEvents** to 60000000 and click **Save Property**.
 - i. Click **Save Object**.

¹Required only for cluster installations.

- j. Exit `wbemtest`.
 - k. Reboot the management server system for these settings to take effect.
2. On the management server and each remote MMC console system, adjust the setting that will increase the WMI query size limit in the registry on the local system:
- a. If HPOM is already installed on the system, close any open HPOM consoles on the system you are configuring.
 - b. Stop the WMI (Windows Management Instrumentation) service on the system. You can do this in `Services.msc`.
Note: Stopping WMI will stop all services that depend on WMI. In `Services.msc`, you can check which services depend on WMI by checking the properties of the WMI service.
 - c. Back up the registry before changing it. Make sure you know how to restore the registry if a problem occurs.
 - d. Create the registry REG_DWORD Value `HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\WBEM\CIMOM\QueryLimit` and assign it a decimal value of 32768.
 - e. Exit the registry.
 - f. Restart the WMI service and all dependent services that have been stopped.
3. On the management server, move WMI to its own svchost:
- a. Open a command prompt and type:

```
winmgmt /standalonehost
```

- b. Reboot the system for this change to take effect.

You can restore the default behavior by running:

```
winmgmt /sharedhost
```

Deploying the Management Server

Tip: An overview of the latest HPOM for Windows patches can be obtained from the HP Operations Manager for Windows Patch Matrix website:
<http://support.openview.hp.com/selfsolve/document/KM411947>

Management Server Installation and Migration Tasks

1. Download the latest *HPOM for Windows Installation and Migration Guide* from the HP Software Product Manuals website (<http://support.openview.hp.com/selfsolve/manuals>).

Current Document Release Date: September 2013.

2. Review the guide for detailed information on installation or upgrade requirements and procedures.
3. *Windows Server 2012 and 2012 R2 installations only.* Download the latest Installation/Migration Patch from the HP Software Support website (<http://www.hp.com/go/hpsupport>).

Current Version: OMW_00185.

Read the instructions that accompany the installation patch and follow any special instructions.

4. Start the installation wizard using the installation media.

Alternatively, for Windows Server 2012 and 2012 R2 installations, start the installation wizard using the latest Installation/Migration Patch. (Do not start the installation using the original installation media.)

Management Server Post-installation Tasks

1. Download the latest HPOM for Windows Server/Console Patch for HPOM 9.00 for Windows from the HP Software Support website (<http://www.hp.com/go/hpsupport>).

Current Version: OMW_00187.

2. Install the Server/Console Patch on the management server.
3. Install the Server/Console Patch on all remote MMC consoles.
4. *32-bit remote MMC consoles only.* If your environment includes remote consoles with a 32-bit version of HPOM, update the remote consoles with the latest HPOM for Windows Server/Console Patch for version 8.16 (32-bit). You can download the latest Server/Console Patch for 8.16 from the HP Software Support website.

Current Version: OMW_00186.

Install this patch on all 32-bit remote MMC console systems.

Deploying the HP Operations Agent

The default management server deployment includes HP Operations Agent version 8.60. However, as of August 31, 2013, HP Operations Agent 8.60 is no longer supported and must therefore be replaced with a supported version, namely version 11.0x or 11.1x.

To update HPOM to a supported agent version, request the agent media for version 11.0x or 11.1x from HP and install the agent on the management server. The agent installation and deployment is described in the HP Operations Agent documentation, which is available from <http://support.openview.hp.com/selfsolve/manuals>.

In addition, download and install the latest HP Operations Agent patches from HP Software Support Online at <http://www.hp.com/go/hpssoftwaresupport>.

Completing the Management Server Deployment

Optional Management Server Post-Installation Tasks

1. *Optional.* If you use one of the following products or integration, download the HPOM for Windows Server Accessories Patch from the HP Software Support website (<http://www.hp.com/go/hpssoftwaresupport>).

Current Version: OMW_00184.

The Server Accessories Patch is only required if you use one of the following products or integrations:

- HPOM Dependency Mapping Automation (DMA) 8.20
(Apply patch OMW_00184 before installing DMA 8.20.)
 - Integration with HP Operations Manager i Software (OMi)
 - Web-based integration with HP Network Node Manager i Software (NNMi)
2. Install the Server Accessories Patch on the management server only. Do not install the patch on remote MMC consoles.
 3. *Optional.* Check with your HP Support contact if there are any applicable post-patch Server/Console hotfixes. If so, request them from your HP Support contact and install them on the management server and on all remote MMC consoles.