HP SiteScope

for the Windows, Solaris, and Linux operating systems

Software Version: 11.01

SiteScope Monitor Discovery Policy

Document Release Date: September 2010 Software Release Date: September 2010



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Acknowledgements

This product includes software developed by the Apache Software Foundation (www.apache.org/).

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SiteScope Monitor Discovery Policy

The SiteScope monitor discovery policy was created to enhance the SiteScope integration with Operations Manager (OM). When installed, this policy enables the creation of the SiteScope monitor tree in OM.

The tree is a copy of the monitors and groups tree structure in SiteScope.

When new monitors and/or groups are added or changes are made in the SiteScope monitor tree, the services tree is updated in OM to reflect these changes. Furthermore, when events arrive to OM, they affect the SiteScope services tree and color all related nodes affected by them.



Note: The Operations Manager 9.0 for Windows 64-bit console does not support the services tree view. The tree view is available in the left pane, but not in the service map on the right.

1. Preliminaries

On the SiteScope server, copy the **discoverSiteScope.bat** file from the **<SiteScope>\integrations\om\bin** folder to the **%OvDataDir%\bin\instrumentation** folder.

Note: All policy relevant files can be found in the <SiteScope>\tools\OMIntegration\SiteScopeMonitorDiscoveryPolicy\SiS_Discovery_policy_3.0 folder.

2. Upload the Policy to the OM Server

a). For Operations Manager for Windows (OM for Windows) servers:

Prerequisites: OM for Windows 8.16 or an equivalent patched 8.10 server, and sufficient user rights (typically, Administrator).

All uploads are performed using the OM for Windows command line tool **ovpmutil** which is normally in the environment path.

1. Open a command prompt, and navigate to the folder where the SiteScope Discovery 3.0 server components are located. For example, **C:\temp\SiS_Discovery_3.0**:

cd C:\temp\SiS_Discovery_3.0\ForServer

2. Upload the OM Service Model using ovpmutil:

ovpmutil cfg svt upl .\DiscoverSiteScope.mof

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The Service Model is displayed in the OM Service Type Editor.

1. Upload the SiteScope monitor discovery policy using **ovpmutil** and the provided index file:

ovpmutil cfg pol upl .\PolicyConfig_77BFF2F6-38BD-45B3-BEA9-E237C55F7877.xml

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The policy is now available in the OM server policy repository under **Policy management > Policy** groups.

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b). For Operations Manager for Linux, UNIX, Solaris 9.x servers:

To get the service discovery running:

1. Upload the OM Service Model to the OM management server. Open a command shell and type:

```
/opt/OV/bin/OpC/utils/mof_cfgupld.sh /opt/HP/SiteScope/tools/\
OMIntegration/SiteScopeMonitorDiscoveryPolicy/\
SiS_Discovery_policy_3.0/ForServer/DiscoverSiteScope.mof
```

(The location of the mof file is:

```
<SiteScope>/tools/OMIntegration/SiteScopeMonitorDiscoveryPolicy/SiS_
Discovery_policy_3.0/ForServer)
```

2. Upload the policies, type:

```
/opt/OV/bin/OpC/utils/opcpolicy -upload dir=/opt/HP/SiteScope/\
tools/OMIntegration/SiteScopeMonitorDiscoveryPolicy/\
SiS_Discovery_policy_3.0/ForServer
```

3. Assign the policies to the node and deploy to the SiteScope node.

3. Set the Schedule Interval

You can set the schedule interval for running the SiteScope monitor discovery policy on the OM agent in the OM for Windows console.

 Select Policy management > Policy groups > SiteScope Discovery. In the right pane, right-click SiteScope Discovery and select All Tasks > Edit.



2. Click the **Schedule** tab and select an interval for the SiteScope monitor discovery policy. The minimum interval allowed is 1 hour.

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4. Deploy the Policy

Prerequisites:

- The SiteScope Server to be integrated is set up as an OM managed node.
- The HP Operations agent is running and connected.
- A certificate has been granted (see the OM Help for details on how to set up a node).

The SiteScope monitor discovery policy must be uploaded to the **SiteScope Discovery** policy group.

1. To deploy the policy, right-click the **SiteScope Discovery** policy and select **All Tasks> Deploy on**.



2. The Deploy Policies on dialog box opens, displaying the available managed nodes. Select the SiteScope Server OM node and click **OK**



The deployment status is	s displayed in	Deployment	jobs in the OM	Console.
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3. To view the policy inventory of the node, right-click the SiteScope Server OM node under **Nodes**, and select **View > Policy Inventory**.

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🔒 Operations Manager : OMW816	Severity Duplic	ates SUIAON	Received /	Created	Service	Node	A
🗄 🧱 Services	Critical	F - X	2/11/2010 3:34:50 PM	2/11/2010 3:27:25 PM	VP_SM:Server:	OMW816 (Man	н
🗆 👿 Nodes	😵 Critical	F - X	2/11/2010 3:34:50 PM	2/11/2010 3:27:25 PM	VP_SM:Server:	OMW816 (Man	н
IN HP Defined Groups	S Critical	F - X	2/11/2010 3:34:50 PM	2/11/2010 3:27:25 PM	VP_SM:Server:	OMW816 (Man	н
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		F - X	2/11/2010 3:34:50 PM	2/11/2010 3:27:25 PM	VP_SM:Server:	OMW816 (Man	н
All T	Tasks 🕨	F - X	2/11/2010 3:34:50 PM	2/11/2010 3:27:25 PM	VP_SM:Server:	OMW816 (Man	н
E Granhs View	v	Hosting Services Man	2/11/2010 3:34:50 PM	2/11/2010 3:27:25 PM	VP_SM:Server:	OMW816 (Man	н
Certificate requests	Window from Here	Impacted	2/11/2010 3:34:50 PM	2/11/2010 3:27:25 PM	VP_SM:Server:	OMW816 (Man	н
	window noniniere	Root Cause	2/11/2010 5:13:29 PM	2/11/2010 4:10:36 PM	Services & Proc	OMW816 (Man	н
E Policy groups New	v Taskpad View	Liet	2/11/2010 5:14:59 PM	2/11/2010 4:24:32 PM	Services & Proc	OMW816 (Man	н
Hierarchical Node Gro	portion	A Active Messages	2/11/2010 5:15:29 PM	2/11/2010 5:15:22 PM	Services & Proc	OMW816 (Man	н
+ HPOM Self Managem	perues	Admowledged Messages	2/11/2010 5:16:19 PM	2/11/2010 5:16:08 PM	Services & Proc	OMW816 (Man	н
Help)	Policy Inventory	2/11/2010 5:18:26 PM	2/11/2010 5:18:16 PM	Services & Proc	OMW816 (Man	н
1 OpenVMS_policies	Warning	Policy Inventory	2/11/2010 5:19:01 PM	2/11/2010 5:18:46 PM	Services & Proc	OMW816 (Man	н
OpenVMS_SPI_policies	Warning 2	Subpadrage Inventory	2/11/2010 5:19:56 PM	2/11/2010 4:24:28 PM	Services & Proc	OMW816 (Man	н
🕀 🤖 Samples	Warning 7	Heating Services List	2/11/2010 5:20:37 PM	2/11/2010 4:09:22 PM	Services & Proc	OMW816 (Man	н
🕀 🧾 Service Reports Maintenan	Warning	Hosting Services List	2/11/2010 5:20:52 PM	2/11/2010 5:20:04 PM	Services & Proc	OMW816 (Man	н
SiteScope Discovery	Critical 2	Customize	2/11/2010 5:21:23 PM	1/29/2010 2:29:57 PM	Services & Proc	OMW816 (Man	н
🕀 🧃 SPI for Unix OS	Major		2/11/2010 5:22:09 PM	2/11/2010 5:22:09 PM		OMW816 (Man	C
🛨 🧾 Updated Self Mgmt and Sar	Critical		2/12/2010 3:00:52 AM	2/12/2010 3:00:52 AM	Server	OMW816 (Man	н
Agent policies grouped by type	Major	- x	2/23/2010 3:37:14 PM	2/23/2010 3:37:14 PM		OMW816 (Man	a
ConfigFile	Major		2/24/2010 3:16:57 AM	2/24/2010 3:16:57 AM		OMW/816 (Man	C
Flexible Management	Major		2/25/2010 9:21:25 AM	2/25/2010 9:21:25 AM		OMW816 (Man	c
Logfile Entry	Critical 4		2/25/2010 1:20:52 PM	1/27/2010 3:46:19 PM		OMW816 (Man	c
Reasurement Inreshold	Major		2/25/2010 5:08:35 PM	2/25/2010 5:08:29 PM		OMW816 (Man	c
Prode Into	Major		2/26/2010 6:58:31 AM	2/26/2010 6:58:31 AM		OMW816 (Man	c
Scheduled Task	Critical 26	× • •	3/1/2010 2:01:01 AM	2/25/2010 3:10:44 PM		OMW816 (Man	ц
Service Auto-Discovery	Critical		3/5/2010 12:20:03 AM	2/5/2010 12:30:03 AM		OMW816 (Man	
Service /Process Monitoring	Major		3/5/2010 12:30:03 AM	3/5/2010 12:30:05 AM		OMW816 (Man	2
SNMP Interceptor	Critical		3/8/2010 1:36:38 PM	3/8/2010 1:36:37 PM	Server	OMW816 (Man	Ц
Windows Event Log	Critical		3/8/2010 1:36:38 PM	3/8/2010 1:36:37 PM	Server	OMW816 (Man	L L
ge [®] Windows Management Inte	Warning 12		3/8/2010 1:36:40 PM	1/27/2010 1:30:27 PM	WINOSSPI-NT	OMW816 (Man	N
		X - X -	5/6/2010 1:50:40 PM	1/2//2010 4:10:30 PM	WIN053P1:N1:	OPINIO TO (Mart	
Deployment packages							▶
Si Doplayment ishe	19 🐺 12	🚺 0 🔼 22 🚫 3	0 40	🙀 0 🛛 56			
						1	

4. The policy inventory is displayed, showing all policies deployed to the node.

	₩ <u>19</u> 4 - 09 - 100 - 40: - 41					-
perations Manager : OMW816		AT THE AS AN IN IS IN U	Version	State	Type	
Services		Description	8.0	enabled	Open Message Interface	
Nodes		Self-Management OvService Discove	9.0	enabled	Logfile Entry	
R HP Defined Groups	B OvSvcDiscServerl og	Self-Management OvService Discove	9.0	enabled	Logfile Entry	
a 🗐 d	Servicel og Maint Joh	Runs the maintenance scripts for SE	1.0	enabled	Scheduled Task	
🔯 OMW816 (Management Server	SiteScope Discovery	Integrate SiteScope Monitors and M.	3.0	enabled	Service Auto-Discovery	
🔣 vmoknode06	Re Test AGTREP	<initial policy="" version=""></initial>	13	enabled	Service Auto-Discovery	
Tools	Undate HierarchicalNodes	Undates the OV HierarchicalNodes t	1.0	enabled	Scheduled Task	
Reports	VP SM-Server Eventl or Entries	Checks the Application Event Log for me	esages from l	HP OV labled	Windows Event Lon	
Graphs	VP SM-Server SyncAgentSer	Synchronizes the agent services acc	10.0	enabled	Scheduled Task	
Certificate requests	WP SM-WMI-Destart	Tries to stop an restart OV/MsmAcce	0.0	enabled	Windows Event Log	
Policy management		Checks the database size of the SOL	9.0	enabled	Measurement Threshold	
Policy groups	W VP SM DR Backup	Does a backup of the openview data	9.0	enabled	Scheduled Task	
Hierarchical Node Groups	WP_SM_DU_Backup	Meniters (and eventually restarts) t	0.0	enabled	Somico Process Monitoring	
HPOM Self Management	WINOSSEL CouRettlepack Wi	Potecte CPU bettlepecke on a Wiede	11.0	enabled	Measurement Threshold	
		Checks the 'DHCD Client' service and	14.0	enabled	Measurement Threshold	
OpenVMS_policies		Detects Diek bettleneder en a Winde	11.0	enabled	Measurement Threshold	
E Samler	WINOSSPI-Diskbottleneck_Wi	Chadra the 'Count and a windo	14.0	enabled	Measurement Threshold	
Service Reports Maintenan	WINOSSPI-EveniLogservice	Checks the EventLog service and It	14.0	enabled	Measurement Threshold	
SiteScope Discovery	WINOSSPI-MemoryBottlerieck	Detects Memory bottlenecks on a wi	11.0	enabled	Measurement Intreshold	
F SPI for Unix OS	WINOSSPI-MIS20_FWGAIIAPP	Chadra the MCDTC and its and its a	7.0	enabled	Windows Event Log	
+ Updated Self Momt and Sar		Checks the MSDTC service and its c	7.0	enabled	Measurement Threshold	
Agent policies grouped by type		Checks counter Bytes Total/sec of	11.0	enabled	Measurement Threshold	
ConfigFile	WINOSSPI-Net_CurrentComm	Checks counter Current Commands	11.0	enabled	Measurement Inreshold	
Rexible Management	WINOSSPI-Net_NetworkError	Checks counter Network Errors/sec	11.0	enabled	Measurement Inreshold	
El Logfile Entry	WINOSSPI-Net_ReadsDenied	Checks counter Reads Denied/sec o	11.0	enabled	Measurement Inreshold	
Measurement Threshold	WINOSSPI-OS_FwdApplicatio	Forwards Application log entries of	9.0	enabled	windows Event Log	
🖉 Node Info	WINOSSPI-PlugnPlayService	Checks the 'Plug and Play' service an	14.0	enabled	Measurement Threshold	
Open Message Interface	WINOSSPI-RAS_RASAutodial	Checks the Remote Access Autodial	7.0	enabled	Measurement Threshold	
👹 Scheduled Task	WINOSSPI-RPCService-Win2k	Checks the 'Remote Procedure Call (7.0	enabled	Measurement Threshold	
Service Auto-Discovery	WINOSSPI-SpoolerService-Wi	Checks the 'Spooler' service and its c	7.0	enabled	Measurement Threshold	
Service/Process Monitoring	WINOSSPI-SysMon_PageFile	Checks counter '% Usage' of object '	11.0	enabled	Measurement Threshold	
SNMP Interceptor	WINOSSPI-SysMon_Redirecto	Checks counter 'Writes Denied/sec'	11.0	enabled	Measurement Threshold	
Windows Event Log	WINOSSPI-SysMon_VirtualMe	Checks counter '% Committed Bytes	11.0	enabled	Measurement Threshold	
BB Windows Management Inte	WINOSSPI-WINOS_Win2k_Lo	Logs selected performance data for	9.0	enabled	Measurement Threshold	
Server policies grouped by type	WINOSSPI-WTS_FwdAllSysW	Forward all System log entries with s	8.0	enabled	Windows Event Log	
Deployment packages	WINOSSPI-WTS_TermService	Checks the 'TermService' service an	14.0	enabled	Measurement Threshold	

5. Manually Run the Monitor Discovery Policy

For testing or debugging purposes, it is useful to run the discovery manually. This can be done using the 'ovagtrep' command line tool on the SiteScope server OM agent node where the policy is running. To do so, run the following commands:

1) Force execution of the policy:

ovagtrep -run "SiteScope Discovery"

2) Force submittal to server:

ovagtrep -publish

3) For troubleshooting, use the **System.txt** file in the **%OvDataDir%\log** folder.

