Forwarding Alarms from Foglight to Microsoft System Center Operations Manager 2007 and 2012

Alarms only

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Legend

WARNING: A WARNING icon indicates a potential for property damage, personal injury, or death

CAUTION: A CAUTION icon indicates potential damage to hardware or loss of data if instructions are not followed.

IMPORTANT, **NOTE**, **TIP**, **MOBILE**, or **VIDEO:** An information icon indicates supporting information.

Updated – April 2023
Version required: *Foglight 5.5.4 or higher, Microsoft System Center Operations Manager 2007 R1/R2 or 2012 R1/R2 on Windows 2008R2 or Windows 2012.*

Unless otherwise specified in your purchase from Dell Software, the integration sample is supplied as-is with no warranty. Sending alarms using Cartridge for Integration may have licensing requirements, please consult your Account Representative for details. Additionally, the source code is supplied for your convenience. Dell supports the forwarding of alerts from Foglight, but not reception or interpretation of the output in System Center Operations Manager (SCOM).

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INSTALLATION and CONFIGURATION

Obtaining the Integration Sample

1. In the navigation panel under Dashboards, click Administration > Cartridges > Components for Download. The Components for Download page appears.
2. Under the Name column, click integration-samples.zip. The File Download dialog box appears.
3. Click Save to copy the zip file to a file location.
4. Extracting the files will put them into the integration-samples directory.
5. Files needed on the System Center Operations Manager install are in integration-samples¥forward-

On the System Center Operations Manager System

The alerts that are inserted will have the name of the Foglight system with the configuration item of the alert being embedded in the alert itself. In the directory *integration-samples\forward-alarms-from-foglight\opsmgr-direct*, there are the 3 files (excluding this documentation): *dist.zip, src.zip,* and *EventLogEx_src.zip*.

dist.zip

The dist.zip file contains the programs and DLLs required to receive the alert from Foglight, create/insert the alert in Foglight Windows event log for insertion into the System Center Operations Manager system.

Installation and Configuration

1. Copy the dist.zip file to your local Ops Mgr directory of preference and unzip it. (For example, C:¥Dell Software)
2. Register Foglight.dll. Use a text editor to open the Foglight.reg file. Edit the path to the Foglight.dll file, but make sure to escape the slash by adding an additional slash.

   For example, if you have Foglight.dll at location C:¥Dell Software¥Integration¥Foglight.dll then, you will update the last line of the file to:

   "EventMessageFile"="C:\\Dell Software\\Integration\\Foglight.dll"

   Once the edited file is properly saved, run the following from the command prompt in administrative mode:

   Regedit /s Foglight.reg

   If you are using SCOM 2012, you will also have to run the following from the command prompt after running the Foglight.reg file:

   Regedit /s Discover.reg

   This will create the registry event necessary for the XML-Rec-log.exe to insert a log message to Window's event system log.
3. Now you need to install XML-Rec-log.exe as a service. You can use the XML-Rec-Log.exe in the integration_samples.zip, which can apply to both SCOM 2007 R2 and SCOM 2012 R2.

   To do this, locate the InstallUtil.exe file. This is typically located at *C:\WINDOWS\Microsoft.NET\Framework\v2.0.50727\InstallUtil.exe*. You can set the path to the location for easy access to the utility. You will need to go to the Release directory of unzipped dist.zip using a command prompt.

   a. To install the service, type "InstallUtil XML-Rec-log.exe".

   b. To uninstall the service, type "InstallUtil XML-Rec-log.exe ¥u".

   c. To start the service, type "net start xml-rec-log". You can start the service any time after the installation.

   d. To stop the service, type "net stop xml-rec-log".

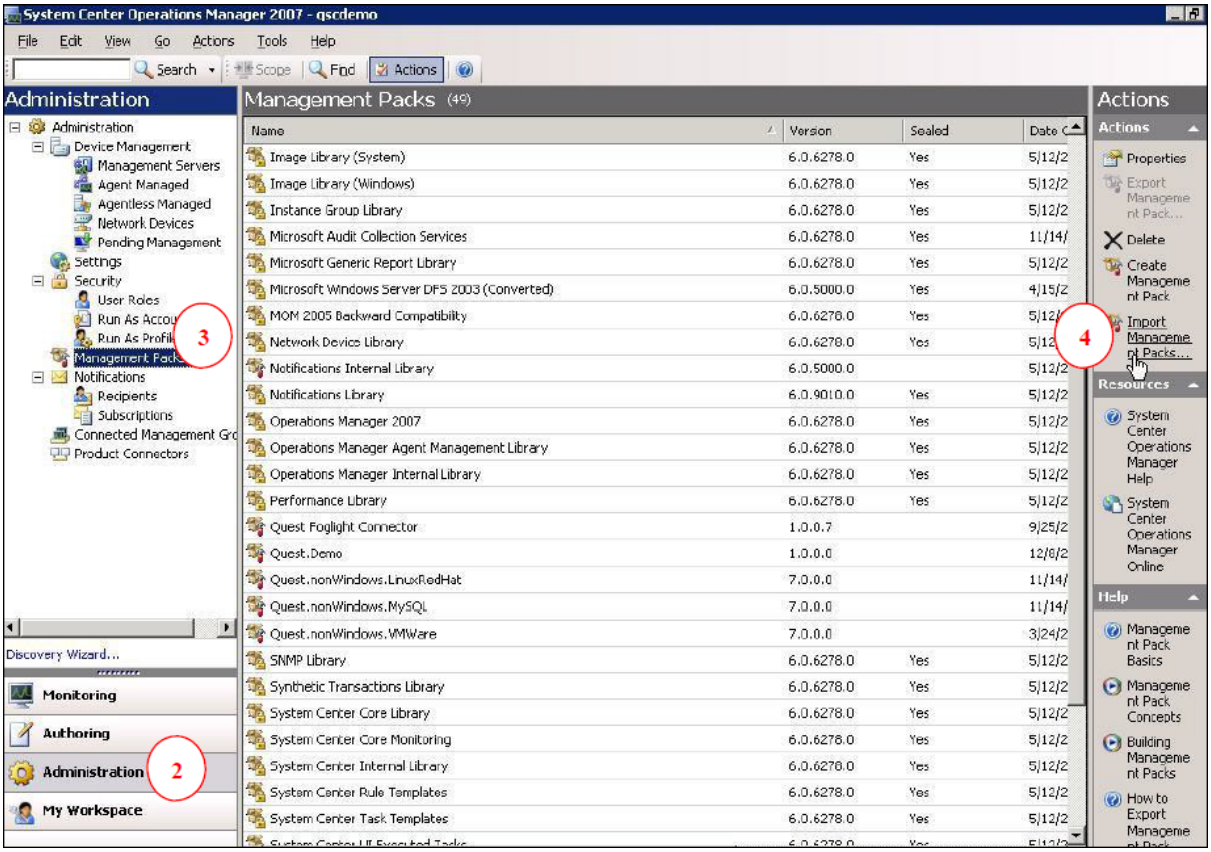
Quest.FoglightConnector.xml

(The file under r1 is for SCOM 2007 R1, the file under r2 is for SCOM 2007 R2, the file under 2012 is for SCOM 2012 R1 & R2)

This XML file is the management pack that will interpret the alerts from Foglight in System Center Operations Manager.

To import the XML into the System Center Operations Manager:

1. Copy the file *Quest.FoglightConnector.xml* to a local directory for installation into the System Center Operations Manager system.



2 Select the **Administration** button on the bottom left.

3 Select **Management Packs** from the list on the left.

4 Click the **Import Management Packs** on the right.

5 When the Import Management Packs dialog appears, select the file *Quest.FoglightConnector.xml* from the directory you have copied to for installation.

6 Click **Import (SCOM 2007) or Install (SCOM2012)** to complete the import of the management pack into the System Center Operations Manager system.

On the Foglight Management Server system

Configuration of Rules

1 Login to the Foglight server.

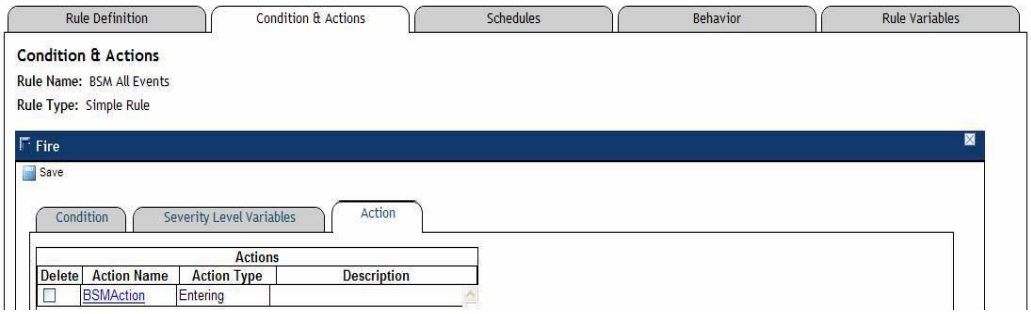
2 Click **Administration** > **Rules & Notifications** > **Rules**.

3 Click the **BSM All Events** rule.

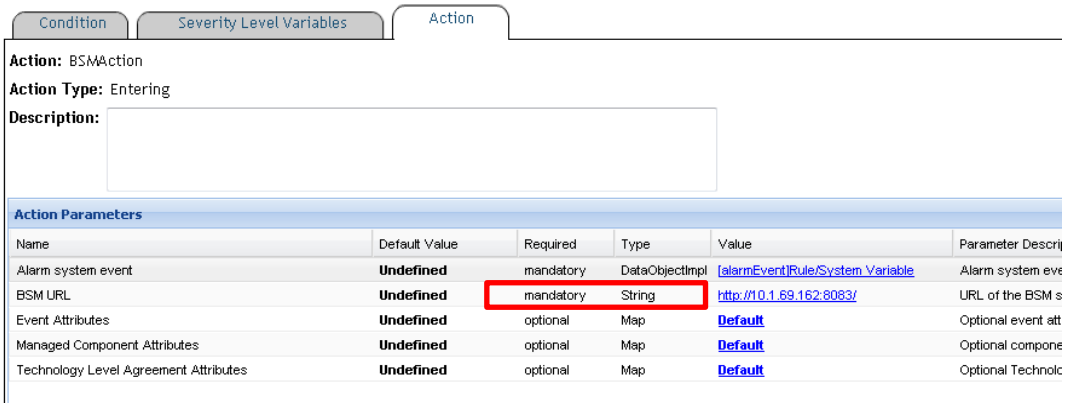
4 Click the **Condition & Actions** tab:

a Click the **Fire** bar to expand it.

b Click the **Action** tab.

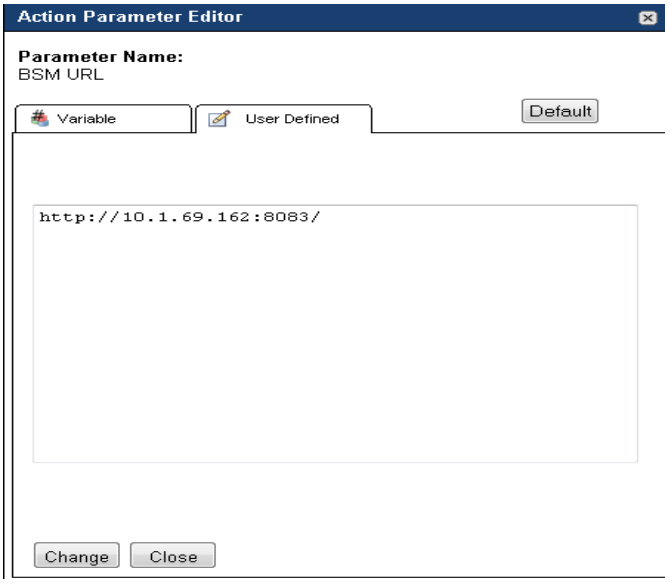


c Click **BSMAction** to edit the action.



d Click the **Value** assigned to the BSM URL.

e Click **User Defined** and enter in the *http://<ip address>:8083/* where, <ip address> is the IP Address of the System Center Operations Manager system.



f Do not forget to click **Change** and save all your changes.

5 Click **Save All** and enable the rule when ready.

STARTUP and SHUTDOWN

Make sure the Cartridge and any Rules in Foglight are enabled and configured correctly. Once the Foglight rule is enabled, alerts will start to flow from Foglight to System Center Operations Manager. Disabling the rule will stop the flow of alerts.

VERIFICATION

Once you have verified that the alarms are being sent from the Foglight management server, clear an alert in the Alarm Browser. Then login to the System Center Operations Manager server and verify that the alert is showing up in the System Center Operations Manager Active Alerts to view the alert that was received from Foglight.

Management pack for 2007

The test alarms are generated from the “Quest Foglight Connector Test” Rule. All Foglight alarms are passed as critical alarms in SCOM.

For your convenience, there are 3 other disabled rules provided in the management package:

- “Quest Foglight Connector Fatal” --- Generate critical alarms in SCOM for all Foglight generated fatal alarms.
- “Quest Foglight Connector Critical” --- Generate warning alarms in SCOM for all Foglight generated critical alarms.
- “Quest Foglight Connector Warning” --- Generate information alarms in SCOM for all Foglight generated warning alarms.

NOTE: The 3 Foglight severities Fatal, Critical, Warning are mapped as Critical, Warning, Information respectively in SCOM.

Enabling these rules will generate those alarms. For further configuration of alarm generation in SCOM, consult the SCOM manual and create/edit rules.

Management pack for 2012

The “Quest Foglight Connector Test” rule has been removed. The 3 other rules (Fatal, Critical, and Warning) are enabled by default.

Consult the Foglight manuals for descriptions and details on Logging in, Configuration Item, Models, properties, Alarm Browser, and so on. Also, consult the System Center Operations Manager manual.

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