



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

Alarms only



© 2017 Quest Software Inc.

ALL RIGHTS RESERVED.

This guide contains proprietary information protected by copyright. The software described in this guide is furnished under a software license or nondisclosure agreement. This software may be used or copied only in accordance with the terms of the applicable agreement. No part of this guide may be reproduced or transmitted in any form or by any means, electronic or mechanical, including photocopying and recording for any purpose other than the purchaser's personal use without the written permission of Quest Software Inc.

The information in this document is provided in connection with Quest Software products. No license, express or implied, by estoppel or otherwise, to any intellectual property right is granted by this document or in connection with the sale of Quest Software products. EXCEPT AS SET FORTH IN THE TERMS AND CONDITIONS AS SPECIFIED IN THE LICENSE AGREEMENT FOR THIS PRODUCT, QUEST SOFTWARE ASSUMES NO LIABILITY WHATSOEVER AND DISCLAIMS ANY EXPRESS, IMPLIED OR STATUTORY WARRANTY RELATING TO ITS PRODUCTS INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTY OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, OR NON-INFRINGEMENT. IN NO EVENT SHALL QUEST SOFTWARE BE LIABLE FOR ANY DIRECT, INDIRECT, CONSEQUENTIAL, PUNITIVE, SPECIAL OR INCIDENTAL DAMAGES (INCLUDING, WITHOUT LIMITATION, DAMAGES FOR LOSS OF PROFITS, BUSINESS INTERRUPTION OR LOSS OF INFORMATION) ARISING OUT OF THE USE OR INABILITY TO USE THIS DOCUMENT, EVEN IF QUEST SOFTWARE HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. Quest Software makes no representations or warranties with respect to the accuracy or completeness of the contents of this document and reserves the right to make changes to specifications and product descriptions at any time without notice. Quest Software does not make any commitment to update the information contained in this document.

If you have any questions regarding your potential use of this material, contact:

Quest Software Inc.

Attn: LEGAL Dept

4 Polaris Way

Aliso Viejo, CA 92656

Refer to our Web site (<https://www.quest.com>) for regional and international office information.

Patents

Quest Software is proud of our advanced technology. Patents and pending patents may apply to this product. For the most current information about applicable patents for this product, please visit our website at <https://www.quest.com/legal>.

Trademarks

Quest, the Quest logo, and Join the Innovation are trademarks and registered trademarks of Quest Software Inc. For a complete list of Quest marks, visit <https://www.quest.com/legal/trademark-information.aspx>. All other trademarks and registered trademarks are property of their respective owners.

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 – June 5, 2017

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).

Contents

- INSTALLATION and CONFIGURATION 4**
 - On the System Center Operations Manager System 4
 - On the Foglight Management Server system..... 6
- STARTUP and SHUTDOWN 8
- VERIFICATION 8
- About us 10**

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".

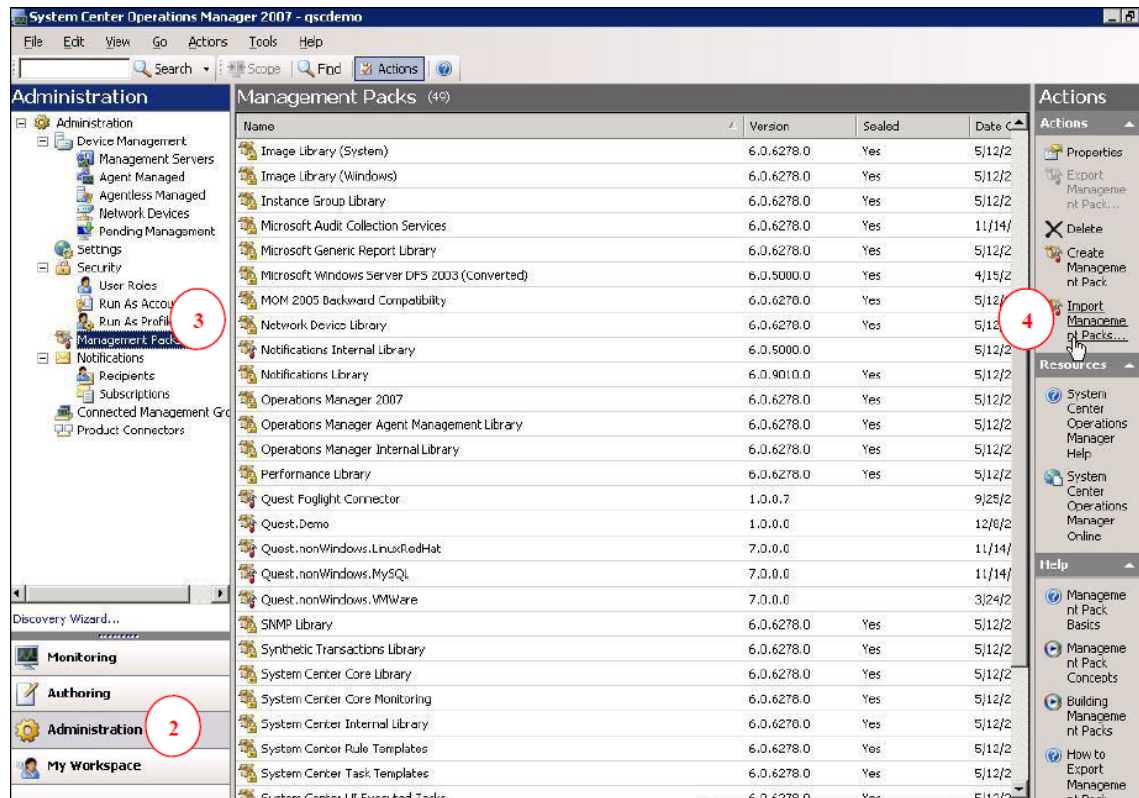
Quest.FoglightConnector.xml

(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.



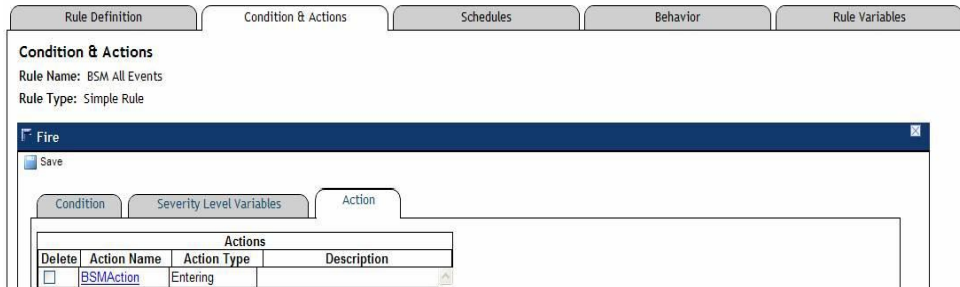
- 2 Select the **Administration** button on the bottom left.
- 3 Select **Management Packs** from the list on the left.
- 4 Click the **Import Management Packs** on the right.
- 5 When the Import Management Packs dialog appears, select the file *Quest.FoglightConnector.xml* from the directory you have 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

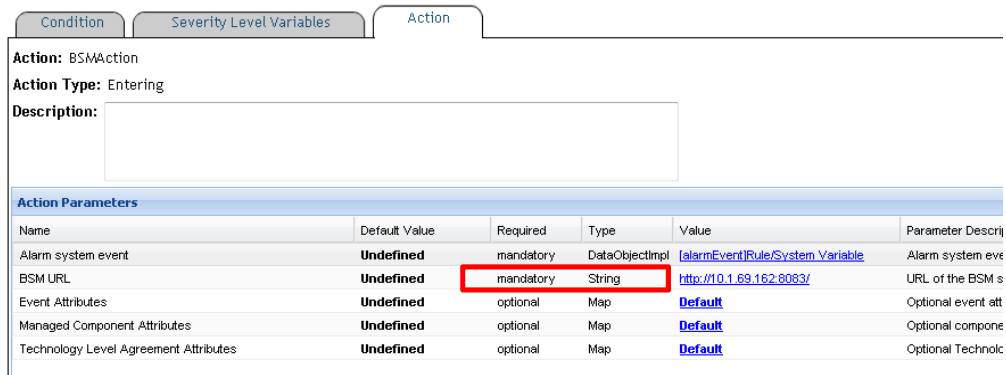
Configuration of Rules

- 1 Login to the Foglight server.
- 2 Click **Administration > Rules & Notifications > Rules**.

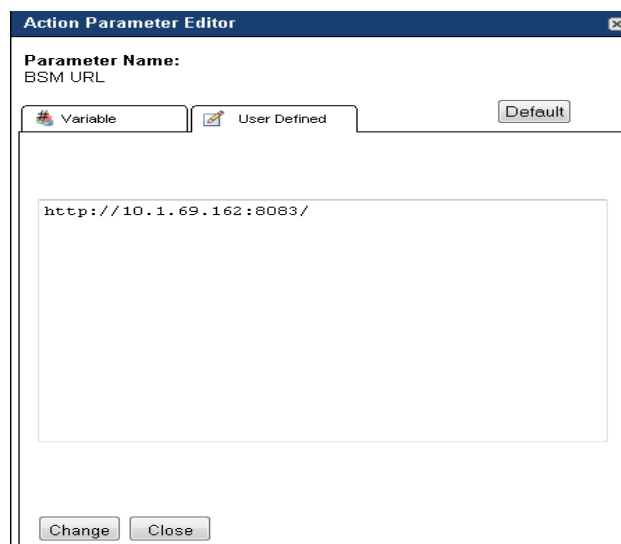
- 3 Click the **BSM All Events** rule.
- 4 Click the **Condition & Actions** tab:
 - a Click the **Fire** bar to expand it.
 - b Click the **Action** tab.



- c Click **BSMAAction** 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.

i **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.

We are more than just a name

We are on a quest to make your information technology work harder for you. That is why we build community-driven software solutions that help you spend less time on IT administration and more time on business innovation. We help you modernize your data center, get you to the cloud quicker and provide the expertise, security and accessibility you need to grow your data-driven business. Combined with Quest's invitation to the global community to be a part of its innovation, and our firm commitment to ensuring customer satisfaction, we continue to deliver solutions that have a real impact on our customers today and leave a legacy we are proud of. We are challenging the status quo by transforming into a new software company. And as your partner, we work tirelessly to make sure your information technology is designed for you and by you. This is our mission, and we are in this together. Welcome to a new Quest. You are invited to Join the Innovation™.

Our brand, our vision. Together.

Our logo reflects our story: innovation, community and support. An important part of this story begins with the letter Q. It is a perfect circle, representing our commitment to technological precision and strength. The space in the Q itself symbolizes our need to add the missing piece — you — to the community, to the new Quest.

Contacting Quest

For sales or other inquiries, visit <https://www.quest.com/company/contact-us.aspx> or call +1-949-754-8000.

Technical support resources

Technical support is available to Quest customers with a valid maintenance contract and customers who have trial versions. You can access the Quest Support Portal at <https://support.quest.com>.

The Support Portal provides self-help tools you can use to solve problems quickly and independently, 24 hours a day, 365 days a year. The Support Portal enables you to:

- Submit and manage a Service Request
- View Knowledge Base articles
- Sign up for product notifications
- Download software and technical documentation
- View how-to-videos
- Engage in community discussions
- Chat with support engineers online
- View services to assist you with your product.