

User Guide

Ping Intelligent Management Pack for OpsMgr 2012





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2. Ping IMP User Guide

OpsLogix intelligent Ping management pack checks the status of your environment by means of ICMP ping. Using System Center Operations Manager's built-in views, it provides the IT administrator insight in the root-cause of potential issues. OpsLogix intelligent Ping management pack provides comprehensive state views and performance views.

3. Document Version

This guide was written based on version 3.0.0.40 of the OpsLogix Ping Management Pack.

Release Date	Changes
May 4, 2012	First draft

4. Installation / Configuration

Step 1: Unzip the files

- Unzip the OpsLogix IMP - Ping for OpsMgr 2012 v3.0.0.40.zip
- Read and accept the included license agreement

Step 2: Import the management packs

- Open the SCOM console
- Go to Administration
- Select "Import Management Packs"
- Import these three management packs (bundles) from the folder on disk:
 - OpsLogix.BaseLibrary.mp (version 1.0.0.40)
 - OpsLogix.IMP.Ping.mpb (version 2.0.0.0)

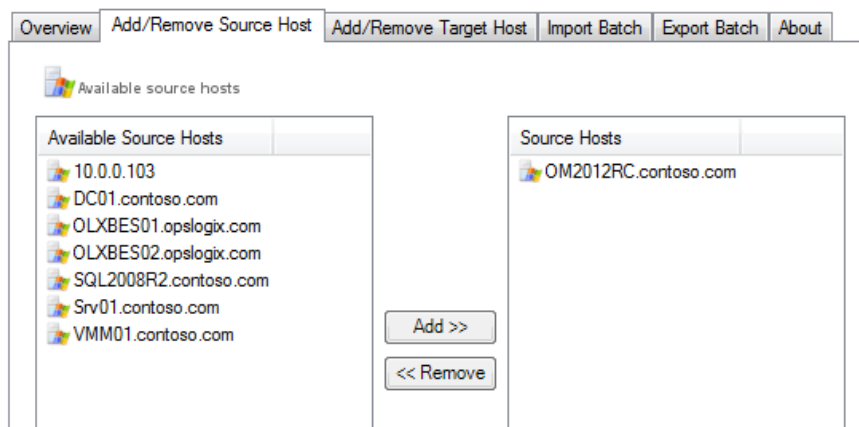
Step 3: Configure the Management Pack using the "Ping IMP Configuration Dashboard"

- In the SCOM console
- Go to Monitoring
- Select "Ping IMP Configuration Dashboard" under the OpsLogix, Ping folder.

Step 3a: Configure a Source Host

A source host is the computer where you will send the ICMP ping from. By default not every computer is made available to ping from. Using the "Ping IMP Configuration Dashboard", you will add a computer and allow it to send ICMP pings from.

- Click on the tab "Add/Remove Source Host"
- Select the computer in the Available Source Hosts list and click Add




Step 4b: Configure a Target Host

A Target Host is the device which will receive the ICMP ping; the device that will be “pinged”. Both DNS names and IP addresses can be used.

- Click on the tab “Add/Remove Target Host”
- Type a Display Name (the name of your device)
- Type the IP address or DNS name, and click Add

The screenshot shows a software interface with several tabs: Overview, Add/Remove Source Host, Add/Remove Target Host (which is selected), Import Batch, Export Batch, and About. In the 'Add/Remove Target Host' tab, there is a dropdown menu labeled 'Host to ping from:' with the value 'OM2012RC.contoso.com'. Below this are two input fields: 'Target Display Name:' and 'Target IP Address:'. To the right of these fields is an 'Add' button. Below the input fields is a table with two columns: 'Display Name' and 'Target Host'. The table contains one row with a small icon in the 'Display Name' column and the value '10.0.0.103' in the 'Target Host' column. At the bottom right of the table area is a 'Remove Target Host(s)' button.

Display Name	Target Host
 10.0.0.103	10.0.0.103

Step 4c: Import multiple devices at once (optional)

If you need to add many devices to be “pinged” at once, you can use the Import Batch function. Prepare a CSV file with the following layout:

DisplayName;Hostname


- Click on the tab “Import Batch”
- Click on the [...] button and select your CSV file

- Select a Source Host from the dropdown, and click Import

Overview | Add/Remove Source Host | Add/Remove Target Host | **Import Batch** | Export Batch | About

Source Host: OM2012RC.contoso.com

File: ... Import

 In order to import Target Hosts from CSV File you need to perform the following steps:

- ➔ Create an empty CSV file and add the Target Host names to the file, entering one Target host per line.
- ➔ If you wish to use a descriptive name for the Target Host, enter the data in the following format:
DisplayName;HostName
- ➔ On the **Import Batch** tab (this current tab) select the Source Host from the **Source Host** drop down box to which you would like to add the Target Hosts.
- ➔ Select the CSV file in the **File** text box, and click **Import**.

Step 5: Verify

- In the SCOM console
- Go to Monitoring
- Select "Hosts" under the OpsLogix, Ping folder
- Verify that the Source Host is present
- Select "Status" under the OpsLogix, Ping, Targets folder
- Verify that the Target Host is present

5. Appendix A: advanced Configuration

The monitor that performs the ICMP ping, has two overridable parameters. These can be used to specify how many ping replies can be missed at what interval, before an alert is raised.

- In the SCOM console
- Goto Monitoring
- Select "Status" under the OpsLogix, Ping, Targets folder
- Right click the device and select Open, Health Explorer
- Select "Target Host Ping Check" under Entity, Availability
- Select the Overrides from the menu, then Override the Monitor, then For the object: [name]
- Put a checkmark in the override column for the settings you want to override for this object
- Save it to the "OpsLogix IMP – Ping Management Pack (Overrides)" management pack
- Click OK

NumberOfNoRepliesAllowed

This setting determines how many "ping replies" can be missed before raising an alert

Interval

This setting determines how many seconds are waited before performing the next ICMP ping

Override Properties

Monitor name: Target Host Ping Check
Category: Custom
Overrides target: Object: Mainframe

Override-controlled parameters: [Show monitor properties...](#)

	Override	Parameter Name	Parameter Type	Override	Effective	Change Status	Enforced
▶	<input type="checkbox"/>	Enabled	Boolean	True	True	[No change]	<input type="checkbox"/>
	<input type="checkbox"/>	Generates Alert	Boolean	True	True	[No change]	<input type="checkbox"/>
	<input type="checkbox"/>	Auto-Resolve Alert	Boolean	True	True	[No change]	<input type="checkbox"/>
	<input type="checkbox"/>	Alert Priority	Enumeration	Medium	Medium	[No change]	<input type="checkbox"/>
	<input type="checkbox"/>	Alert On State	Enumeration	The monit...	The monitor ...	[No change]	<input type="checkbox"/>
	<input type="checkbox"/>	Alert severity	Enumeration	Critical	Critical	[No change]	<input type="checkbox"/>
	<input checked="" type="checkbox"/>	NumberOfNoRepliesAllowed	Double	3	1	[Added]	<input type="checkbox"/>
	<input checked="" type="checkbox"/>	Interval	Integer	60	60	[Added]	<input type="checkbox"/>

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OPSLOGIX B.V. Revision: 1.2 Date: August 2011

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