

Guide for System Center Monitoring Pack for System Center 2012 Orchestrator

Microsoft Corporation

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The Operations Manager team encourages you to provide feedback on the monitoring pack by providing a review on the monitoring pack’s page in the [Management Pack Catalog](http://go.microsoft.com/fwlink/?LinkID=82105) (http://go.microsoft.com/fwlink/?LinkID=82105).

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# Guide for System Center Monitoring Pack for System Center 2012 Orchestrator

This guide was written based on version 6.1.14.0 of the Monitoring Pack for System Center 2012 - Orchestrator.

### Guide History

|  |  |
| --- | --- |
| Release Date | Changes |
| March 9, 2012 | Original release of this guide |
| June 26, 2013 | Orchestrator Runbook Problem Alert rule added. |

### Supported Configurations

This monitoring pack for System Center 2012 - Orchestrator requires System Center Operations Manager 2007 R2 or later. A dedicated Operations Manager management group is not required.

The following table details the supported configurations for the Monitoring Pack for System Center 2012 - Orchestrator:

|  |  |
| --- | --- |
| Configuration | Support |
| Orchestrator | System Center 2012 - Orchestrator |
| Clustered servers | Not tested |
| Agentless monitoring | Not tested |
| Virtual environment | Yes |

### Prerequisites

The Monitoring Pack for System Center 2012 - Orchestrator has the following prerequisites:

 The Windows Server 2008 Internet Information Services 7 Management Pack (version 6.0.6658 or later) must be imported to the management group prior to importing the Monitoring Pack for System Center 2012 - Orchestrator.

 Windows PowerShell is required on Orchestrator Management Servers and Runbook servers.

### Mandatory Configuration

No mandatory configuration steps are required.

### Files in this Monitoring Pack

The Monitoring Pack for System Center 2012 - Orchestrator includes the following files:

 Microsoft.SystemCenter.Orchestrator.Library.mp

 Microsoft.SystemCenter.2012.Orchestrator.mp

 SC2012OrchestratorMPGuide.doc

 EULA.rtf

# Monitoring Pack Purpose

The Monitoring Pack for System Center 2012 - Orchestrator implements discovery and health monitoring of Orchestrator roles and components.

In this section:

 [Monitoring Scenarios](#z5ca933e93fa2418fba4fa139c549f12c)

 [How Health Rolls Up](#z9c08c2cdd392405e969818e40c0a9072)

For details on the discoveries, rules, monitors, views, and reports contained in this monitoring pack, see [Appendix: Monitoring Pack Contents](#zce64dd502c1e4eea8640bf4385398f4b).

# Monitoring Scenarios

|  |  |  |
| --- | --- | --- |
| Monitoring scenario | Description | Associated rules and monitors |
| Orchestrator Management Server Health | This scenario checks Orchestrator Management servers for service status and critical log file events. | **** Orchestrator Management Service**** Orchestrator Runbook Server Monitor**** Orchestrator Management Server**** Orchestrator Runbook Server Monitor Database Connection Error |
| Orchestrator Runbook Server Health | This scenario checks Orchestrator Runbook servers for service status and critical log file events. | **** Orchestrator Runbook Service**** Orchestrator Remoting Service**** Orchestrator Runbook Policy Module Fault Alert**** Orchestrator Runbook Server Database Connection Error**** Orchestrator Runbook Update Error**** Orchestrator Runbook Server ActionServerStorage Call Refused Error**** Orchestrator Runbook Policy Module Working Set Peak Collection**** Orchestrator Runbook Policy Module Thread Count Collection**** Orchestrator Runbook Policy Module % Processor Time Collection**** Orchestrator Runbook Problem Alert |
| Orchestrator Web Components Health | This scenario implements health roll-up for monitored IIS 7 components that represent the Orchestrator Web Components | **** Web Components Availability Rollup |

# How Health Rolls Up

The following diagram shows how the health states of objects roll up in this monitoring pack.



# Configuring the Monitoring Pack for System Center 2012 - Orchestrator

This section provides guidance on configuring and tuning this monitoring pack.

 [Best Practice: Create a Management Pack for Customizations](#z2)

## Best Practice: Create a Management Pack for Customizations

By default, Operations Manager saves all customizations such as overrides to the Default Management Pack. As a best practice, you should instead create a separate management pack for each sealed management pack you want to customize.

When you create a management pack for the purpose of storing customized settings for a sealed management pack, it is helpful to base the name of the new management pack on the name of the management pack that it is customizing, such as “Biztalk Server 2006 Customizations”.

Creating a new management pack for storing customizations of each sealed management pack makes it easier to export the customizations from a test environment to a production environment. It also makes it easier to delete a management pack, because you must delete any dependencies before you can delete a management pack. If customizations for all management packs are saved in the Default Management Pack and you need to delete a single management pack, you must first delete the Default Management Pack, which also deletes customizations to other management packs.

# Links

The following links connect you to information about common tasks that are associated with System Center Monitoring Packs:

 [Administering the Management Pack Life Cycle](http://go.microsoft.com/fwlink/?LinkId=211463) (http://go.microsoft.com/fwlink/?LinkId=211463)

 [How to Import a Management Pack in Operations Manager 2007](http://go.microsoft.com/fwlink/?LinkID=142351) (http://go.microsoft.com/fwlink/?LinkID=142351)

 [How to Monitor Using Overrides](http://go.microsoft.com/fwlink/?LinkID=117777) (http://go.microsoft.com/fwlink/?LinkID=117777)

 [How to Create a Run As Account in Operations Manager 2007](http://go.microsoft.com/fwlink/?LinkID=165410) (http://go.microsoft.com/fwlink/?LinkID=165410)

 [How to Modify an Existing Run As Profile](http://go.microsoft.com/fwlink/?LinkID=165412) (http://go.microsoft.com/fwlink/?LinkID=165412)

 [How to Export Management Pack Customizations](http://go.microsoft.com/fwlink/?LinkId=209940) (http://go.microsoft.com/fwlink/?LinkId=209940)

 [How to Remove a Management Pack](http://go.microsoft.com/fwlink/?LinkId=209941) (http://go.microsoft.com/fwlink/?LinkId=209941)

For questions about Operations Manager and monitoring packs, see the [System Center Operations Manager community forum](http://go.microsoft.com/fwlink/?LinkID=179635) (http://go.microsoft.com/fwlink/?LinkID=179635).

A useful resource is the [System Center Operations Manager Unleashed blog](http://opsmgrunleashed.wordpress.com/) (http://opsmgrunleashed.wordpress.com/), which contains “By Example” posts for specific monitoring packs.

For additional information about Operations Manager, see the following blogs:

 [Operations Manager Team Blog](http://blogs.technet.com/momteam/default.aspx) (http://blogs.technet.com/momteam/default.aspx)

 [Kevin Holman's OpsMgr Blog](http://blogs.technet.com/kevinholman/default.aspx) (http://blogs.technet.com/kevinholman/default.aspx)

 [Thoughts on OpsMgr](http://thoughtsonopsmgr.blogspot.com/) (http://thoughtsonopsmgr.blogspot.com/)

 [Raphael Burri’s blog](http://rburri.wordpress.com/) (http://rburri.wordpress.com/)

 [BWren's Management Space](http://blogs.technet.com/brianwren/default.aspx) (http://blogs.technet.com/brianwren/default.aspx)

 [The System Center Operations Manager Support Team Blog](http://blogs.technet.com/operationsmgr/) (http://blogs.technet.com/operationsmgr/)

 [Ops Mgr ++](http://blogs.msdn.com/boris_yanushpolsky/default.aspx) (http://blogs.msdn.com/boris\_yanushpolsky/default.aspx)

 [Notes on System Center Operations Manager](http://blogs.msdn.com/mariussutara/default.aspx) (http://blogs.msdn.com/mariussutara/default.aspx)

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# Appendix: Monitoring Pack Contents

The Monitoring Pack for System Center 2012 - Orchestrator discovers the object types described in the following sections. Not all of the objects are automatically discovered. Use overrides to discover those objects that are not discovered automatically.

## Discoveries

|  |  |  |
| --- | --- | --- |
| Discovery Name | Default Interval (s) | Enabled By Default |
| Discovery for System Center 2012 - Orchestrator Management Server Role | 43200 | True |
| Discovery for System Center 2012 - Orchestrator Runbook Server Role | 43200 | True |
| Discovery for System Center 2012 - Orchestrator Runbook Target Role | 43200 | True |
| Discovery for System Center 2012 - Orchestrator Web Component | 43200 | True |
| Discovery for System Center 2012 - Orchestrator Web Site | 43200 | True |

## Rules

|  |  |  |
| --- | --- | --- |
| Rule Name | Default Interval (s) | Enabled By Default |
| Orchestrator Runbook Policy Module Working Set Peak Collection | 300 | True |
| Orchestrator Runbook Policy Module Thread Count Collection | 300 | True |
| Orchestrator Runbook Policy Module % Processor Time Collection | 300 | True |
| Orchestrator Runbook Policy Module Fault Alert | n/a | True |
| Orchestrator Runbook Server Database Connection Error | 600 | True |
| Orchestrator Runbook Update Error | 600 | True |
| Orchestrator Runbook Server Monitor Database Connection Error | 600 | True |
| Orchestrator Runbook Server ActionServerStorage Call Refused Error | 600 | True |
| Orchestrator Management Server Database Connection Error | 600 | True |
| Orchestrator Runbook Problem Alert | n/a | True |

## Monitors

|  |  |
| --- | --- |
| Monitor Name | Enabled By Default |
| Orchestrator Management Service | True |
| Orchestrator Runbook Server Monitor | True |
| Orchestrator Remoting Service | True |
| Orchestrator Runbook Service | True |

## Recoveries

|  |  |  |
| --- | --- | --- |
| Monitor Name | Recovery Name | Run Automatically |
| Orchestrator Management Service | Recovery for Orchestrator Management Service | No |
| Orchestrator Runbook Server Monitor | Recovery for Orchestrator Runbook Server Monitor Service | No |
| Orchestrator Remoting Service | Recovery for Orchestrator Remoting Service | No |
| Orchestrator Runbook Service | Recovery for Orchestrator Runbook Service | No |