



Cisco UCS Management Pack, Release 2.4

For Microsoft System Center Operations Manager 2007 R2

Release Notes

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1 Introduction

This document describes the new features, system requirements, and caveats for Cisco UCS Management Pack, Release 2.4 for System Center Operations Manager 2007 R2.

Note: We sometimes update the documentation after original publication. Therefore, you should periodically check the documentation on [Cisco Communities](#) for any updates.

2 System Requirements

To install Cisco UCS Management Pack your computer must meet or exceed the following minimum system requirements.

2.1 Hardware

- Processor Architecture: can be x64 or x86
- Memory: 4 GB or higher
- Disk space: 10 MB
- Network connection: 1 MB/sec or faster

2.2 Operating System

- Both 32-bit and 64-bit versions of the following operating systems are supported:
 - Windows XP
 - Windows Vista
 - Windows server 2003
 - Windows Server 2008
 - Windows Server 2008 R2
 - Windows 7
- All the above operating systems must be installed with latest service packs.

2.3 Software

- Windows Installer 3.1 or more
- Windows PowerShell 2.0
- .NET Framework 3 or higher
- Microsoft XML Core Services 6.0 (with latest Service Packs)
- Operations Manager 2007 R2 Console (CU5 or higher)

3 New Features

3.1 New Features for Release 2.4.1

3.1.1 Preset Object Discovery, Rule and Monitor

Since not all the UCS components are of equal interest to each Management Pack user, set of UCS components have been identified and their object discoveries are enabled by default, for rest of the components, object discoveries are disabled by default and it is left to the user to enable them on-demand.

Also, since UCS inventories do not change frequently in most of the cases, therefore default object discoveries time interval has been raised up-to ~24 hours.

On a similar note, rules and monitors time interval has also been raised to 18 minutes.

For more information, refer to Cisco UCS Management Pack documentation.

3.2 New Features for Release 2.4.0

3.2.1 Timing Optimization

- The time interval for polling alert data from UCS is reduced to 5 minutes. This was 10 minutes in the previous release. Operations Manager will now display alerts faster than before.

3.2.2 New Alerts

The following new alerts have been added to aid debugging.

- **UCS login Authentication Failure**
This alert is logged when the user supplied Credentials are not correct. It is detected as a result of aaaLogin returning error.
- **UCS Connectivity Failure**
This Alert is logged when UCS is not available for a continuous time period of 10-15 minutes. This Alert helps detect UCS unavailability. This can be caused by UCS being down or other Network issues.
- **Notification Channel Configuration Error**
This Alert is logged when a user Acknowledges a fault, while not having properly configured the Command Notification Channel options. The notification channel command arguments have changed with this version and this alert will warn if the user misses to change them.

- **Acknowledging Fault with Read-Only privileges**
This Alert is logged when a user with Read-Only privileges acknowledges an alert. Only users with Administrative privileges can acknowledge alerts.

3.2.3 Miscellaneous Alert View

- Faults that do not fall under any of the existing Management Pack classes are now categorized in the Miscellaneous Alert view. These alerts were getting missed in the previous versions of the Management Pack.

Note: The Path parameter is not available for these alerts.

4 Upgrade

Cisco UCS Management Pack, Release 2.4.1 supports upgrade from Cisco UCS Management Pack, Release 2.4.0. Follow the steps outlined below to upgrade your setup:

- 1) Navigate to Operations Console -> Authoring -> Management Pack Templates -> Cisco Unified Computing System
- 2) Repeat steps 3-4 to upgrade the existing UCS instance to management pack, Release 2.4.1.
- 3) Right click on UCS instance. Select Properties.
- 4) Click "Test Connection" on Url tab. After successful connection, click OK twice.
- 5) Now each UCS instance will be using UCS management pack 2.4.1.
- 6) Adding a new UCS instance will use the management pack 2.4.1.

5 Resolved Caveats

5.1 Resolved Caveats for Release 2.4.0

- The Test Connection Button on the Add Monitoring Template Wizard page has a fixed position now. (CSCTz40405)
- An Alert is raised in SCOM if a user with read-only privileges tries to acknowledge a fault. (CSCTz39899)
- The Fabric Interconnect Failure Alert is replaced by a UCS Connection Failure Alert. This alert is logged if UCS is not reachable for 3 continuous retries of 5 minutes each.
- Stale errors in SCOM Cache are discarded while the UCS connectivity is down. This ensures that we do not keep populating stale errors while the UCS connectivity is down. So, while the existing alerts in SCOM remain, their repeat count is not incremented.

6 Open Issues

6.1 Open Issues for Release 2.4.0

- Bidirectional communication works only on the Machines which have the SCOM console, Management Server as well as the Cisco UCS management pack installed. This will be addressed in the next release.
- Overriding alert severity is not supported. Support for it will be added in the next release.
- Detailed knowledge base for every alert is not available in this release. Support for it will be added in the next release.
- HTTP connection with redirection enabled on the UCS does not work. This will be addressed in the next release.