



Release Notes for Cisco UCS Management Pack, Release 3.x For Microsoft System Center 2012, 2012 SP1 & 2012 R2, Operations Manager

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This document describes the system requirements, new features, information about the images, resolved caveats, known caveats, and workarounds for Cisco UCS Management Pack, Release 3.x for Microsoft System Center Operations Manager, 2012, 2012 SP1 and 2012 R2. This document also includes current information that became available after the technical documentation was published.

Use these release notes as a supplement with the other documents listed in the documentation roadmap:

<http://www.cisco.com/go/unifiedcomputing/b-series-doc>.

Make sure to review other available documentation on Cisco.com to obtain current information on Cisco UCS Management Pack, Release 3.x.

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Introduction

System Center Operations Manager (SCOM) is a cross-platform data center management server for operating systems and hypervisors. Operations Manager uses a single interface that shows the state, health, and performance information of computer systems. It also provides alerts that are generated according to availability, performance, configuration, or identified security risks. This tool works with Microsoft Windows Server and UNIX-based hosts.

A management pack is a definition file that contains predefined monitoring settings that enable an agent to monitor a specific service or application in Operations Manager. The predefined settings include discovery information that allows Operations Manager to automatically detect and begin monitoring services and applications. It also consists of a knowledge base that contains error and troubleshooting information, alerts, and reports to help you correct problems detected in the environment.

Cisco UCS Management Pack, Release 3.x provides you visibility into the health, and availability of Cisco UCS through a single, familiar, and easy-to-use interface. The management pack contains rules that monitor, for example, chassis, blade servers, rack servers, and service profiles across multiple Cisco UCS Domains.

System Requirements

The following system requirements are for Management Servers, Gateway Servers or Operations Manager Windows Agents (trusted or untrusted boundary) with Cisco UCS Management Service running on them:

- [Management and Gateway Servers, page 2](#)
- [Operations Manager Windows Agents, page 2](#)

Management and Gateway Servers

System requirement for Management Server and Gateway Server are as per the Microsoft recommendations mentioned in the following page:

<http://technet.microsoft.com/en-us/library/hh205990.aspx>

Operations Manager Windows Agents

System requirement for Windows agents (trusted or untrusted boundary) running Cisco UCS Management Service is as follows:

Hardware

- Processor Architecture: 64-bit with Quad-core or higher
- Memory: 8 GB or higher

Operating System

UCS management service must be installed only on the Windows Agents running 64-bit versions of the following operating systems:

- Windows Server 2008 R2
- Windows Server 2008 R2 SP1
- Windows Server 2012
- Windows Server 2012 R2

**Note**

All the above operating systems must be installed with the latest patch updates.

Software

The following software components must be installed before installing UCS management service on Windows agents:

- Windows PowerShell 2.0 or higher
- .NET Framework 4 or higher

Supported Cisco Unified Computing System Manager (UCSM) Releases

Cisco UCS Management Pack for Microsoft System Center Operations Manager is compatible with Cisco UCS Manager, Releases 2.0, 2.1, 2.2, and 3.0.

New Features in Release 3.x

Release 3.1(2) adds support for the following:

- Added power state change notification for blade and rack servers
- Enhanced PowerShell Cmdlets to support Cisco UCS domains in a single management pack
- Support to create Run As Account with more secure distribution policy while adding a new UCS domain instance
- Added **Product Knowledge** for UCS Manager login failure alert
- Added Occur field (Number of Occurrences of UCS fault) in alert description

Release 3.1(1) adds support for the following:

- Supports UCS Mini.
- PowerShell cmdlets for adding or updating UCS instances in Operations Manager.
- PowerShell cmdlets for managing discoveries and monitors.
- Supports Proxy server.
- Encrypted proxy password.

- Support to upgrade existing UCS instances after upgrading the management pack.
- Increase in the organization hierarchy discovery from root level to level 3.

Release 3.0(2) adds support for the following:

Supports no new features as this is a bug fix release.

Release 3.0(1) adds support for the following:

- One monitor per UCS Domain fault.
- Knowledge articles in monitors containing the details of the faults and recommended action.
- Supports installation of Cisco UCS Management Service on Management Servers, Windows Agents (trusted or un-trusted domain boundary) and Gateway Servers.
- Event based discovery for on-demand execution of object discovery.
- Support for real time UCS monitoring
- Dedicated Service Machine for UCS Domain Monitoring.
- KVM Console launch on a Service Profile, Blade Server, or Rack Unit.
- Run-As Account association in the Add Monitoring Wizard simplifies the overall process to start monitoring a UCS Domain.
- More secure account distribution.
- Tech Support utility facilitates collecting logs for diagnosing an issue.

Upgrading the Management Pack

- The Cisco UCS Manager management pack, Release 3.x does not support direct upgrade from Release 2.6. You need to uninstall the previous release and install, Release 3.x
- Any Cisco UCS Manager Management Pack, Release 3.x can be upgraded to the latest release

Resolved Caveats

This section lists the resolved caveats in association with the release in which they were first noticed, or in the release identified as the first affected.

- [Resolved caveats in Release 3.1\(2\), page 4](#)
- [Resolved caveats in Release 3.1\(1\), page 5](#)
- [Resolved caveats in Release 3.0\(2\), page 5](#)

Resolved caveats in Release 3.1(2)

CSCut47645

Description: When you add a UCS domain from the **Add Monitoring** wizard on a new installation of Cisco UCS Manager management pack or when you upgrade to version 3.1.1, the following error occurs:

“Processing the template failed. See inner exception for details.

Cannot resolve identifier SCLibrary!Microsoft.SystemCenter.RootManagementServer in the context of management pack <mpname>. Unknown alias: SCLibrary”

First affected version: Release 3.1(1)

- CSCur13912

Description: The Cisco UCS Manager management pack version 3.0(1) fails to install on Windows Server 2012. The following error is displayed.

You must have administrator privileges to install Cisco UCS Management Pack (v3.0)

First affected version: Release 3.0(1)

- CSCur59737

Description: SCOM management pack is unable to handle flapping fault conditions correctly.

First affected version: Release 3.0(1)

Resolved caveats in Release 3.1(1)

- CSCur41719

Description: Add a UCS domain using **Add Monitoring** wizard. The Test Connection shows a success message. But an authentication failure event appears in **Management Pack Events** after you add the UCS Domain for monitoring in the Cisco UCS Manager management pack.

First affected version: Release 3.0(1)

Resolved caveats in Release 3.0(2)

- CSCuq85468

Description: When you try to install the package as an administrator, the following error message is displayed:

You must have administrator privileges to install Cisco UCS Management Pack (v3.0).

First affected version: Release 3.0(1)

- CSCuq80741

Description: When you select the **Machine Type** as an Agent Managed Computer (Trusted Boundary) or Agent Managed Computer (un-trusted Boundary) on the **General Information** page of the **Add Monitoring** wizard, it takes a long time to populate the **Service Machine** drop down menu, and until then the dialog box remains unresponsive.

First affected version: Release 3.0(1)

- CSCuq96134

Description: Faults F1007, F1008, F1009 & F1010 do not appear in the operations console even when available in Cisco UCS Manager.

First affected version: Release 3.0(1)

Open Caveats

Open caveats are listed in association with the release in which they were first noticed or in the release identified as the first affected. Users should review open caveats in all releases to avoid overlooking a defect that may impact their release.

- [Open Caveats in Release 3.1\(1\), page 6](#)
- [Open Caveats in Release 3.0\(1\), page 6](#)

Open Caveats in Release 3.1(1)

- CSCus07678
Symptom: Faults F0209 & F1236 appear on the Cisco UCS Manager GUI, but do not appear on Operations Manager Console.
Conditions: This symptom is observed for all instances of Fault F0209 & F1236 which appear in the Cisco UCS Manager.
Workaround: None.
- CSCur96136
Symptom: Not all organizations in UCS Manager are shown on Operations Console.
Conditions: This issue is seen when there are multiple organizations with the same name. For instance, organizations with name 'test' are at different levels in the organization hierarchy or organizations with name 'test' and 'Test' are in the same level.
Workaround: Ensure that Organization names in Cisco UCS Manager are unique.

Open Caveats in Release 3.0(1)

- CSCup61422
Symptom: Health Service of the Operations Manager Windows Agent restarts periodically when managing UCS domain.
Conditions: This issue occurs when the user uses the MP as is, where the monitors related to all the critical and major faults are enabled by default, to monitor a UCS domain comprising more than 40 servers.
Workaround: We recommend that the users come up with a list of faults that they want to monitor and take action on, through the Operations Manager, and enable only the corresponding object discoveries and monitors.
The users also need to increase the private bytes threshold to a higher value till the Health Service restarts stop.
To see the list of important faults to be monitored, read the UCS Monitoring Handbook available at the following URL: <https://communities.cisco.com/docs/DOC-37197>
If you choose to enable only monitors related to these faults then the private bytes threshold must be set to 400MB to avoid Health Service restarts.
An alternate workaround for this issue could be to use the management server itself for monitoring the UCS domain.
- CSCuq24178

Symptom: When the user tries to acknowledge more than five UCS faults, only these five faults get acknowledged. The remaining faults stay in the 'UCS Acknowledged' state.

Conditions: This occurs when the default number of command processes executed in response to the alert notification is set to 5.

Workaround: Acknowledge the faults in a batch of five, or modify the registry to increase the limit as mentioned in the following URL:

<http://blogs.technet.com/b/cliveeastwood/archive/2008/04/16/some-more-command-notification-tricks-and-tips.aspx>.

- CSCuq78612

Symptom: Periodic events with ID 4508 appear in the Operation Manager event log. This event appears due to the missing assembly module **Microsoft.Mom.DatabaseQueryModules**, which is required by the workflow: Cisco.Ucsm.<uuid>.ServiceProfileReferenceBlade.Discover. This workflow discovers the association between the service profile and the Physical Blade/Rack Unit in the UCS domain, and a dotted line is visible on the diagram view between the related service profile and the Physical Blade/Rack Unit.

Conditions: This error occurs only on UCS domains monitored by the Cisco UCS Management Service installed on the gateway server and Agent Managed Computer (trusted and un-trusted domain boundary). The error is not displayed on UCS domains monitored from the management server.

Workaround: Disable the discovery of the reference relationship (Cisco.Ucsm.<uuid>.ServiceProfileReferenceBlade.Discover).

However, due to this action, the relationship between the associated service profile and blade/rack unit (dotted link in the Diagram View) is not visible for UCS instances for which the reference relationship is disabled.

Complete the following steps to disable the reference relationship of UCS Instance for which the error is visible in Operations Manager:

Step 1 Open Operations Manager Shell on a Management Server.

Step 2 Use the following commands for every UCS individually:

- `$ucsManagementPack = Get- -DisplayName "<UCS_Instance_Name>"`
- `$referenceDiscovery = Get-SCOMDiscovery -ManagementPack $ucsManagementPack | where-object {$_.name -like "*reference*"}`
- `Disable-SCOMDiscovery -Discovery $referenceDiscovery -ManagementPack $ucsManagementPack`

- CSCuq77915

Symptom: Management Pack binaries and other files are installed under C:\cisco (on the assumption that the Operating System is installed on C:\).

Conditions: This symptom occurs when the -a option is used in the command to install the Management Pack as shown below:

```
msiexec -a "Cisco.Ucsm.MP.2012.v3.0.1-x64.msi" -l*v <logfilename>
```

Workaround: Using -a option is not supported; use only the -i option to install the Management Pack as shown below:

```
msiexec -i "Cisco.Ucsm.MP.2012.v3.0.1-x64.msi" -l*v <logfilename>
```

Related Documentation

For more information, you can access related documents from the following links:

- [Cisco UCS Documentation Roadmap](#)
- [Cisco UCS Management Pack User Guide, Release 3.x for Microsoft System Center 2012, 2012 SP1 and 2012 R2 - Operations Manager](#)

Obtaining Documentation and Submitting a Service Request

For information on obtaining documentation, submitting a service request, and gathering additional information, see the monthly *What's New in Cisco Product Documentation*, which also lists all new and revised Cisco technical documentation, at:

<http://www.cisco.com/en/US/docs/general/whatsnew/whatsnew.html>

Subscribe to the *What's New in Cisco Product Documentation* as a Really Simple Syndication (RSS) feed and set content to be delivered directly to your desktop using a reader application. The RSS feeds are a free service and Cisco currently supports RSS Version 2.0.

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