



Release Notes for Cisco UCS Management Pack Suite, Release 4.x For Microsoft System Center Operations Manager

First Published: 2016-05-04

Last Modified: 2021-09-02

Introduction

This document describes the system requirements, new features, Information about the images, known caveats, and workarounds for Cisco UCS Management Pack Suite, Release 4.x for Microsoft System Center Operations Manager. This document also includes current information that became available after the technical documentation was published.

Use the release notes as a supplement with the other documents listed in the documentation roadmap:<http://www.cisco.com/go/unifiedcomputing/b-series-doc>.

Ensure that you review other available documentation on Cisco.com for current information on Cisco UCS Management Pack Suite, Release 4.x.

Revision History

Release	Date	Description
4.0(1)	May 04, 2016	Published release notes for Cisco UCS Management Pack Suite.
4.1(1)	December 21, 2016	Updated release notes for Cisco UCS Management Pack Suite. See New Features
4.1(2)	April 13, 2018	Updated release notes for Cisco UCS Management Pack Suite. See New Features
4.1(3)	November 14, 2018	Added support for Cisco UCS Manager Release 4.0
	May 24, 2019	Added support for Cisco IMC Release 4.0.
	November 05, 2019	Qualified with Microsoft System Centre Operations Manager 2019

Release	Date	Description
4.1(4)	March 22, 2021	Updated release notes for Cisco UCS Management Pack Suite. See New Features .
4.1(5)	September 2, 2021	Qualified with Microsoft System Centre Operations Manager 2019 UR2 Following section was updated: <ul style="list-style-type: none"> Resolved Caveats

Overview of Cisco UCS Management Pack

A management pack is a definition file with predefined monitoring settings that enables you to monitor a specific service or application in an Operations Manager. The discovery information settings allow Operations Manager to detect and begin monitoring services and applications automatically. The knowledge base consists alerts, reports, error, and troubleshooting information which helps you in resolving problems detected in the environment.

Cisco UCS Management Pack Suite, Release 4.x is a set of management packs which provide visibility to the health, performance and availability of Cisco UCS servers managed by Cisco UCS Manager and Cisco IMC. It also helps you to monitor health and availability of the Cisco UCS Central system.

System Requirements

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

Verified versions of System Center Operations Manager are as follows:

- 2019 UR2
- 2019
- 1807
- 1801
- 2016
- 2012 R2
- 2012

Management and Gateway Servers

System requirement for Management Server and Gateway Server are as per the Microsoft recommendations mentioned, see <https://docs.microsoft.com/en-us/system-center/scom/system-requirements>

Operations Manager Windows Agents

The following are the System requirement for Windows agents, trusted or untrusted boundary running Cisco UCS Monitoring Service:

Hardware

- Processor Architecture—64-bit with Quad-core or higher
- Memory—8 GB or higher
- Free Disk Space — 50 MB or higher
- Network Connection — 1 MBps or faster

Operating System

Ensure that 64-bit version of the following operating systems are installed with the latest service packs:

- Windows Server 2019
- Windows Server 2016
- Windows Server 2012 R2
- Windows Server 2012
- Windows Server 2008 R2

Software

Install the following software components before installing the Cisco UCS monitoring service on management servers:

Cisco UCS MP Version	.NET Framework Version	Windows PowerShell Version
4.1.4 or higher	4.7.1 or higher	5.1 or higher
4.1.3 and earlier	4.6 or higher	3.0 or higher

Supported Cisco UCS Manager Releases

Cisco UCS Management Pack Suite for Microsoft System Center Operations Manager is compatible with the following Cisco UCS Manager releases:

- Release 4.1
- Release 4.0
- Release 3.2
- Release 3.1
- Release 3.0
- Release 2.5
- Release 2.2
- Release 2.1

Supported Cisco IMC Release

Cisco UCS Management Pack Suite for Microsoft System Center Operations Manager is compatible with the following Cisco IMC releases:

- Release 4.1



Note Supported only for Cisco UCS Management Pack Suite version 4.1.4 or higher.

- Release 3.1



Note Supported only for Cisco UCS Management Pack Suite v4.1.1 or higher.

- Release 3.0



Note Supported only for Cisco UCS Management Pack Suite v4.1.1 or higher.

- Release 2.0(3) or higher

Supported Cisco UCS Central Releases

Cisco UCS Management Pack Suite for Microsoft System Center Operations Manager is compatible with the following Cisco UCS Central releases:

- Release 2.0
- Release 1.5
- Release 1.4
- Release 1.3

New Features

This section provides an overview of the significant new and changed features in this release. This section does not provide an exhaustive list of all enhancements included in this release.

Release 4.1(4)

- Support for System Center Operation Manager 2019 UR2
- Support for new faults in Cisco UCS Manager Release 4.1 and Cisco UCS IMC Release 4.1

Release 4.1(3)

Verified for System Center Operation Manager 2019, 1801 and 1807

Release 4.1(2)

- Support for new faults in Cisco UCS Manager Release 3.2(3) and Cisco UCS Central Release 2.0(1)

Release 4.1(1)

- Support for System Center 2016, Operations Manager
- Support to monitor UCS domains which are registered to UCS Central using UCS Central Management Pack
- Support to add UCS Manager, UCS Central, and Cisco IMC using IPv6 addresses
- Support to monitor standalone Cisco UCS S3260 using IMC Management Pack
- Support to monitor UCS Manager managed Cisco UCS S3260 using UCS Manager Management Pack
- Support to launch KVM console using in-band or out-of-band IP addresses for server in UCS domain
- Support to generate UCS Manager technical support bundle
- Support for new faults in Cisco UCS Manager, Release 3.1(2), Cisco IMC, Release 2.0(13), and Cisco UCS Central, Release 1.5(1)

Release 4.0(1)**Rule per UCS Fault**

The Cisco Management Packs uniformly uses rules for monitoring UCS Manager, IMC, and UCS Central. A rule exists for every fault in UCS Manager, UCS Central, and IMC Server. You can perform various operations on faults alerts handled by the corresponding Rules.

The fault rules are supported for the following releases:

- UCS Manager
 - Release 2.2(6)
 - Release 2.5(2)
 - Release 3.0(2)
- Cisco IMC
 - Release 2.0(8d)
- Cisco UCS Central
 - Release 1.3(1)

Modularized Management Pack Design

Uniform set of features provided across Cisco UCS Manager, Cisco UCS Central, and Cisco IMC Management Packs to improve performance.

Performance Metrics support for UCS Manager

- Support to collect detailed set of UCS performance data for Fan, PSU, CPU, Motherboard, Ports, Memory, and Adaptors and so on
- Historic UCS Manager performance data available in the data warehouse
- Support for report generation from historic data

M-Series Chassis support for UCS Manager

- Cartridge and Server Unit Discovery and Fault Monitoring
- KVM launch for Server Units

Enhanced Inventory and Alert Views

- Dashboard view for UCS inventory
- Separate views in Alert Dashboard for Active, Acknowledged, and Cleared alerts for UCS Manager and UCS Central
- Enhanced Dashboard views for Monitoring Service

Support for Monitoring Cisco UCS Central

- PowerShellCmdlet support for UCS Central
- Support for monitoring UCS Central components, such as organization, and global service profile

Upgrading and Migrating the Cisco UCS Management Pack Suite

The Cisco UCS Management Pack Suite, Release 4.x does not support direct upgrade from 3.x and 2.6 versions. You need to uninstall the previous version and install the 4.x version. For upgrade instructions, see [Cisco UCS Management Pack Suite Installation and Deployment Guide, Release 4.x For Microsoft System Center Operations Manager](#).

To migrate from Release 3.x to 4.x, run the backup script, uninstall all the previous version, install the version 4.x, and run the migration scripts. For more information on the migrating scripts, see <https://communities.cisco.com/docs/DOC-67249>.

Supported Cisco UCS Manager Management Pack for Migration

- Version 3.1(2)
- Version 3.1(1)

Supported Cisco IMC Management Pack for Migration

- Version 1.2(1)
- Version 1.1(1)

You can download the migration scripts from <https://communities.cisco.com/docs/DOC-67249>

Resolved Caveats

Resolved Caveats in 4.1(5)

The following table lists the resolved caveats for this release.

Table 1: Resolved Caveats in 4.1(5)

Bug ID	Description	First Release Affected	Resolved in Release
CSCvx35363	UCSM fault for Shared IO Module does not get not captured in SCOM Console.	4.1(3)	4.1(5)
CSCvy61263	Upgrading the Cisco UCS MP Suite Update-UcsScomAllInstance command does not work	4.1(3)	4.1(5)
CSCvz03334	Cisco.Ucs.Watcher. Service.StateMonitor in Cisco UCS MP is missing multiple configurations	4.1(3)	4.1(5)
CSCvz07960	Get cmdlets are missing in SCOM UCSM, IMC and Central modules to get monitored instances	4.1(3)	4.1(5)

Resolved Caveats in 4.1(4)

The following table lists the resolved caveats for this release.

Table 2: Resolved Caveats in 4.1(4)

Bug ID	Description	First Release Affected	Resolved in Release
CSCvw30812	Upgrading the Cisco UCS MP Suite : Update-UcsScomAllInstance script throws error	4.1(3)	4.1(4)

Resolved Caveats in 4.1(2)

The following table lists the resolved caveats for this release.

Table 3: Resolved Caveats in 4.1(2)

Bug ID	Description	First Release Affected	Resolved in Release
CSCvd78155	Cisco.Ucs.Monitoring.Service installation fails on Windows Server 2012 R2 with Powershell 5.0 with the following error message: ?The application requires MicrosoftPowershell version 2.0 or higher?	4.0(1)	4.1(2)
CSCve21074	Cisco UCS Management Pack (v4.0.1.0) does not auto-resolve the alerts generated in SCOM.	4.0(1)	4.1(2)
CSCvh16816	UCS SCOM management pack fails to install on SCOM servers in DMZ, which are for monitoring UCS pods, with read-only DCs.	4.0(1)	4.1(2)
CSCvh30879	Monitoring service installation fails for user having limited permissions.	4.0(1)	4.1(2)

Resolved Caveats in 4.0(1)

The following table lists the resolved caveats for this release.

Table 4: Resolved Caveats in 4.0(1)

Bug ID	Description	First Release Affected	Resolved in Release
CSCuq78612	In UCS Manager Management Pack, periodic events with id 4508 appears in Operation Manager event log.	3.0(1)	4.0(1)

Open Caveats

Release 4.1(4)

The following table lists the open caveats for this release.

Defect ID	Symptom	Workaround
CSCvx35363	UCSM fault for Shared IO Module does not get captured in SCOM Console.	None.

Release 4.1(3)

The following table lists the open caveats for this release.

Defect ID	Symptom	Workaround
CSCvk09929	When adding a new Management Pack and creating a new account along with the Management Pack, the Run As account may not get associated to the profile. This happens randomly.	When this issue occurs, the Run As account can be associated to the profile manually. <ol style="list-style-type: none"> 1. Navigate to Administrator > Profiles 2. Right-click the added profile and select Properties 3. Click Next and move to the Run As Account page 4. Add the Run As account and complete and save the settings

Release 4.1(1)

The following table lists the open caveats for this release.

Defect ID	Symptom	Workaround
CSCvb90915	Un-handled exception occurs when trying to close the Rules, Monitor, or Object Discovery window after searching Cisco IMC, Cisco UCS Manager or Cisco UCS Central rules, monitor, or object discovery in the Operations console.	None
CSCva10316	Single domain group is displayed for multiple domain group with same name in Operations console.	Avoid domain groups with same name in Cisco UCS Central.

Release 4.0(1)

The following table lists the open caveats for this release.

Defect ID	Symptom	Workaround
CSCux89221	In UCS Manager Management Pack, when a threshold fault severity changes in UCS Manager, it is not shown in the Operations Manager console.	None
CSCuz27006	In UCS Manager Management Pack, unable to launch KVM cosole for M Series using Operations Manager console	None
CSCuz45408	Unable to acknowledge faults if UCS is monitored using gateway or untrusted agent.	Monitor the UCS instances using trusted agent or Management Server.
CSCuy87012	Unable to launch KVM if UCS is monitored using gateway server or untrusted agent.	Open Operations Manager console on a gateway server, and then launch KVM.
CSCuy10946	In UCS Central Management Pack, alerts acknowledged by nonadmin users are deleted from the alert view	Add UCS Central in the Operations Manager with the account having privileges to acknowledge faults.
CSCvd78155	Cisco.Ucs.Monitoring.Service installation fails on Windows Server 2012 R2 with Powershell 5.0 with the following error message: ?The application requires MicrosoftPowershell version 2.0 or higher?	Manually create an entry for key ?PowerShellEngine? at the following location on the system and then re-try the installer: HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft \PowerShell\1
CSCve21074	Cisco UCS Management Pack (v4.0.1.0) does not auto-resolve the alerts generated in SCOM.	
CSCvh16816	UCS SCOM management pack fails to install on SCOM servers in DMZ, which are for monitoring UCS pods, with read-only DCs.	
CSCvh30879	Monitoring service installation fails for user having limited permissions.	

Related Cisco UCS Documentation

Documentation Roadmaps

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

- [Cisco UCS Manager Management Pack User Guide, Release 4.x](#)
- [Cisco IMC Management Pack User Guide, Release 4.x](#)
- [Cisco UCS Central Management Pack User Guide, Release 4.x](#)
- [Cisco UCS Management Pack Suite Installation and Deployment Guide, Release 4.x](#)
- [Cisco UCS Documentation Roadmap](#)
- [Cisco UCS C-Series Documentation Roadmap](#)
- [Cisco UCS Central Configuration Guides](#)

Other Documentation Resources

An ISO file containing all B and C-Series documents is available at the following URL: <https://software.cisco.com/download/type.html?mdfid=283853163&flowid=25821> From this page, click **Unified Computing System (UCS) Documentation Roadmap Bundle**.

The ISO file is updated after every major documentation release.

Follow [Cisco UCS Docs](#) on Twitter to receive document update notifications.

Obtaining Documentation and Submitting a Service Request

For information on obtaining documentation, submitting a service request, and gathering additional information, see *What's New in Cisco Product Documentation* at: <https://www.cisco.com/c/en/us/td/docs/general/whatsnew/whatsnew.html>

Subscribe to *What's New in Cisco Product Documentation*, which lists all new and revised Cisco technical documentation, as an RSS feed and deliver content directly to your desktop using a reader application. The RSS feeds are a free service.