Cisco UCS Performance Manager Release Notes

First Published: December 2015

Release 2.0.0

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About this document

Cisco UCS Performance Manager Release Notes contains important information about minor and micro releases of the following products:

- Cisco UCS Performance Manager Express
- Cisco UCS Performance Manager

Note For convenience, this document uses "Cisco UCS Performance Manager" generically, and notes explicitly any differences between Cisco UCS Performance Manager Express and Cisco UCS Performance Manager.

Scope

This document provides information about the following release of Cisco UCS Performance Manager:

Date	Cisco UCS Performance Manager
04 Dec 2015	2.0.0

Supported client and browser combinations

Note All browsers must have Adobe® Flash® Player 11 installed, or a more recent version.

Client OS	Supported Browsers
Windows 7 and 8.1	Internet Explorer 10 and above (compatibility mode is not supported)
	Firefox 30 and above
	Chrome 30 and above
Macintosh OS/X	Firefox 30 and above
	Chrome 30 and above
	Safari 7 and above
Linux/RHEL	Firefox 30 and above
	Chrome 30 and above

Release 2.0.0 1

Welcome to version 2.0.0! This release includes a new component, Control Center, and major enhancements to Cisco UCS Performance Manager itself. In support, this release also includes several new documents. We hope you enjoy using Cisco UCS Performance Manager version 2!

Documentation resources

Title	Description
Cisco UCS Performance Manager Installation Guide	Provides detailed information and procedures for installing Cisco UCS Performance Manager.
Cisco UCS Performance Manager Migration Guide	Provides detailed information and procedures for migrating data from Cisco UCS Performance Manager version 1.1.x to version 2.0.
Cisco UCS Performance Manager Getting Started Guide	Provides instructions for configuring Cisco UCS Performance Manager to monitor your environment, after installation.
Cisco UCS Performance Manager User Guide	Provides specific instructions for using Cisco UCS Performance Manager in the UCS environnment.
Cisco UCS Performance Manager Administration Guide	Provides an overview of Cisco UCS Performance Manager architecture and features, as well as procedures and examples to help use the system.
Cisco UCS Performance Manager Release Notes	Describes known issues, fixed issues, and late-breaking information not already provided in the published documentation set.

New features

Architecture

- Cisco UCS Performance Manager is now installed and managed from Control Center. The Control Center is built on Docker, an open-source platform that uses virtual containers to simplify the packaging, installation and management of applications. Control Center provides both a web-based user interface and the `serviced` command line option.
- Cisco UCS Performance Manager daemons now run within individual, virtual Docker containers. Containers are light-weight operating environments that contain everything required for an application to run.

- Performance metrics are now stored in OpenTSDB and HBase instead of RRD Files.
- Log files are now collected by Logstash and stored in an ElasticSearch database for improved viewing and searching.

Capacity planning

- Capacity utilization graphs and views display projected utilization for 30, 60, and 90 Days.
- UCS Capacity Reports and new or existing graphs can now display a trendline.
- Capacity utilization is now available for VSphere.
- Reports can be filtered by ports, port channel, chassis, IO modules, and transaction type.

Infrastructure interoperability

- Dependency View provides a list of dependents and dependencies for the selected device.
- Port-to-port mapping information is available for uplink Fabric Interconnect to LAN Cloud.

Device support

- Cisco UCS Mini and Cisco UCS Central are now supported.
- Nexus 9000 is supported, when the NX-API is enabled.

Usability improvements

- Bandwidth Usage View now displays information for hypervisors and VMs.
- Tables and graphs can be resized or opened in a new window.
- Additional host metrics for health, performance, VM statistics, disk I/O statistics are available.
- New Dashboard portlets include:
    - Service Profile Portlet
    - Storage Capacity Portlet
    - Network Capacity Portlet
- Predefined UCS thresholds are provided by default.
- Port Channel Aggregation Pools can be viewed.
- The following organizational containers are now available:
    - Host groups
    - Integrated infrastructure groups
    - Component groups
- Events can be viewed at the container level.
- Metric collection intervals can be configured by UCS domain.

Self Monitoring

- Ability to monitor Control Center.

Support for LDAP/AD

- Ability to log in to Cisco UCS Performance Manager using LDAP/AD domain credentials.

Licensing

- A grace period allows you to configure the product while waiting for the license.

- Ability to upload multiple licenses at a time.

Scalability

- Support for up to 2,500 UCS servers and their associated networking and storage from a single UCS PM instance.

Migration

A migration tool (UI) provided to migrate from 1.1.x to 2.0.0. For more information, refer to the *Cisco UCS Performance Manager Migration Guide*.

Known issues

ID	Description	Status
ZEN-14201	Icons of individual network devices in dynamic view are incorrect.	Open
ZEN-16464	Page drop-down list shows 'None' for multiple reports.	Open
ZEN-17746	The UCS Capacity Interface Utilization report does not include UCS interfaces.	Open
ZEN-20792	serviced warning while gathering support bundle.	Open
ZEN-20875	Unable to save time zone settings changed by console menu.	Open
ZEN-20901	Missing all rack servers in UCS Hardware Inventory report.	Open
ZEN-21064	Unable to add multiple UCS Centrals when comma+space is used between IPs/ Hosts.	Open
ZEN-21164	Tracebacks while modeling Cisco UCS-M 2.2(3d).	Open
ZEN-21165	Nexus 9000 should indicate 'NX-API' in Add Infrastructure wizard.	Open
ZEN-21241	When a fan is physically removed from a network device monitored by SNMP, a event is not generated.	Open
ZEN-21267	Unable to remove a wrong UCS Central from the job log and a refresh is needed to clear the log.	Open

Limitations, errata, and documentation A

This section includes the following information:

- Known limitations of Cisco UCS Performance Manager
- Release-specific documentation errata, if any
- Descriptions of additional documentation

Limitations

The size of the CentralQuery maximum memory allocation pool is set by the *RAMCommitment* variable in the CentralQuery service definition. The default value is 1024MB. Do not change the value to anything less than 1024MB. (ZEN-15907).

Additional information

All Cisco UCS Performance Manager distributions include PDF versions of the following documents:

- *Cisco UCS Performance Manager Installation Guide*
- *Cisco UCS Performance Manager Migration Guide*
- *Cisco UCS Performance Manager Getting Started Guide*
- *Cisco UCS Performance Manager User Guide*
- *Cisco UCS Performance Manager Administration Guide*

Likewise, all releases of Control Center include an HTML version of its documentation.

The documentation included in a release is in synch with the release. That is, instead of inserting errata into release notes, document errors are corrected, and the corrected documents are included in the upgrade or patch release. Similarly, when a feature change or addition is included in an upgrade or patch release, the documentation is updated, too.

Documentation feedback

To provide technical feedback on this document, or to report an error or omission, please send your comments to `ucs-docfeedback@cisco.com`. We appreciate your feedback.

ID: 2000.15.343.3