Cisco ONE for Data Center Compute Release Notes, Release 2.5

First Published: December 16, 2015

Cisco ONE for Data Center Compute

Cisco ONE for Data Center Compute helps to build a comprehensive automation platform. It aids in managing and upgrading infrastructure and network software at a reduced cost. Cisco ONE for Data Center Compute also secures private and hybrid cloud deployments for both physical and virtual environments; hence increasing IT agility. Above all, it enables automated, policy-based cloud computing. This assures secure mobility of workload and resources between different cloud models in compliance with all the policies.

Cisco ONE for Data Center Compute provides the following offerings to automate, manage, and build a hybrid-ready cloud infrastructure:

- Cisco ONE Foundation for Compute
- Cisco ONE Enterprise Cloud Suite

Revision History

Release	Date	Description
2.5	December 16, 2015	Created release notes for Cisco ONE for Data Center Compute, Release 2.5

System Requirements

The system requirements for Cisco UCS Director are available in the Cisco UCS Director Installation on VMware vSphere guide.

The system requirements for Cisco Prime Service Catalog are available in the Cisco Prime Service Catalog Quick Start Guide.

The system requirements for Cisco Intercloud Fabric are available in the Cisco Intercloud Fabric Release Notes.

The system requirements for Cisco Virtual Application Cloud Segmentation Services are available in the Cisco Virtual Application Cloud Segmentation Services Installation and Upgrade Guide.

The system requirements for Cisco UCS Performance Manager are available in the Cisco UCS Performance Manager Release Notes.

Supported Browser Versions

Cisco UCS Director supports the following browsers and requires the Adobe Flash Player 11 plug-in for those browsers:

- Internet Explorer 8 or higher

- Google Chrome 4.1 or higher

- Firefox 3.5 or higher

- Safari 4.0 or higher (for Apple Mac or Microsoft Windows)

All browsers must have Adobe Flash Player plug-in version 11 or higher.

Cisco Prime Service Catalog supports the following browsers and requires the Adobe Flash Player plug-in for those browsers:

- Internet Explorer 11

- Google Chrome 4.2

- Firefox ESR 38.x.0 (or later ESR)

- Safari 8.0.x (on Mac OS only

For additional compatibility information, see the Cisco UCS Director Compatibility Matrix and the Cisco Prime Service Catalog Compatibility Matrix.

Installation and Upgrade Notes

Cisco UCS Director uses a standard virtual machine that is delivered in OVF format for VMware, and in VHD format for Microsoft Hyper-V. It can be hosted on VMware vSphere or vCenter, or on Microsoft Hyper-V Manager. For installation instructions, see the appropriate Cisco UCS Director installation and upgrade guide.

Cisco Prime Service Catalog installation for Cisco ONE Enterprise Cloud Suite is supported for WildFly application servers and can be configured in both Standalone and Cluster configurations. For more information on installation and upgrade notes, see the Cisco Prime Service Catalog Quick Start Guide, and the Cisco Prime Service Catalog Release Notes.

Users with an existing Cisco Intercloud Fabric deployment (Release 2.1.2 or 2.2.1a) can choose to either upgrade or perform a completely fresh install of subsequent releases. An upgrade from releases 2.1.2 or 2.2.1a enables you to maintain your existing ICF environment including Icfcloud links, VDCs, and system and network policies (but not cloud templates). For more information on installation and upgrade notes, see the Cisco Intercloud Fabric install and upgrade guides.

You can upgrade Cisco Virtual Application Cloud Segmentation Services from any previous release of Cisco VACS software by applying the Cisco VACS patch to Cisco UCS Director. The upgrade process is not revocable. After the software is upgraded, you cannot downgrade the software to the previous release. For more information on installation and upgrade notes, see the Cisco Virtual Application Cloud Segmentation Services install and upgrade guides.

Cisco UCS Performance Manager uses a standard virtual machine that is delivered in OVF format for VMware, and in a self-installing ISO package for Microsoft Hyper-V. It can be hosted on VMware vSphere or vCenter, or on Microsoft Hyper-V Manager. For installation instructions, see the Cisco UCS Performance Manager Installation Guide.

New and Changed 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.

For information about the physical and virtual devices and software supported by Cisco UCS Director, Cisco Prime Service Catalog, Cisco Intercloud Fabric, Cisco Virtual Application Cloud Segmentation Services, and Cisco UCS Performance Manager in this release, see:

- Cisco UCS Director Compatibility Matrix
- Cisco Prime Service Catalog Compatibility Matrix
- Cisco Intercloud Fabric Release Notes
- Cisco Virtual Application Cloud Segmentation Services Release Notes
- Cisco UCS Performance Manager Installation Guide

New and Changed Features in Release 2.5

Support for Cisco Virtual Application Cloud Segmentation Services Containers

Cisco ONE Enterprise Cloud Suite supports the use of VACS containers when designing and deploying complete multi-tier application stacks.

LDAP integration with Cisco UCS Director and Cisco Prime Service Catalog

LDAP integration allows for consistent organizational structure across Cisco ONE Enterprise Cloud Suite components. The Cisco Prime Service Catalog discovers users and groups from Cisco UCS Director and replicates the user and group structures, as well as the organizational structure. LDAP mapping in Cisco Prime Service Catalog must be configured to match Cisco UCS Director mapping to ensure that the groups, organizational units, and roles align between the components. As a result, if Cisco Prime Service Catalog and Cisco UCS Director are configured for LDAP, the mappings are in place on Cisco Prime Service Catalog to ensure that the groups, organizational units, and roles discovered by Cisco Prime Service Catalog match what is being discovered by Cisco UCS Director.

New Documentation Deliverables in this Release

The following are the new documentation deliverables available with Cisco ONE for Data Center Compute, Release 2.5:

- *Cisco ONE for Data Center Compute Release Notes*—Includes information on new features, system requirements, limitations, and restrictions. Also includes installation and upgrade notes for all components.

Cisco ONE Enterprise Cloud Suite Limitations

Before you install Cisco ONE Enterprise Cloud Suite, be aware of the following limitations:

- If an infrastructure template changes or does not exist for a period of time and then returns (for example if you delete and re-add a managed connection), a service previously created by Stack Designer may be

labeled as Suspect and you must re-save the service from Service Designer. Under the same conditions, the Service Designer administrator will also be requested to re-draw and rebuild the canvas in Stack Designer before re-saving.

- Services created from Advanced Catalogs will not return any Service Item information to Cisco Prime Service Catalog after ordering and execution. As a result, any objects created will not be available for subsequent lifecycle management through the Cisco Prime Service Catalog.

- No lifecycle operations are visible on an object (such as a virtual machine) while it is performing an operation and in a transition state. It may take several minutes before the object has reached an Active or Inactive state, at which time the Cisco Prime Service Catalog operations will become available.

- Cisco recommends that the Cisco Prime Service Catalog setting for Cisco UCS Director Scheduler (**Administration** > **Settings** > **UCSD Scheduler**) is enabled for use with Cisco ONE Enterprise Cloud suite.

- A virtual machine must be powered off in order for the **Delete** operation to become available in Cisco Prime Service Catalog.

- The AMQP public key may become unset during regular usage. This will result in a message routing exception in Service Link, identifying an amqpIOException. In the event of this error, re-select the public key in the drop-down menu under **Administration** > **Settings** > **AMQP**, click **Update**, and test the connection.

- Application containers should be ordered and cloned with a name that is no more than 8 characters. Names that are more than 8 characters in length will fail in the Service Link.

- The **Clone Lifecycle** operation fails when attempting to clone a virtual machine from a VACS container.

- Using operations to revert a snapshot on a VACS virtual machine will power off the virtual machine, even if the snapshot is that of a virtual machine that is running.

- When cloning a virtual machine from an application container, the cloned virtual machine will have a name that is different from what you entered in the operations form.

- Deleting a managed connection to Cisco UCS Director may leave some objects behind. When a managed connection to Cisco UCS Director is removed, the Cisco Primary Service Catalog deletes associated objects including virtual machines, VDCs, catalog services, template services, and containers. Catalog services and template services are deleted when no requisitions are associated with the services, otherwise they are marked as deprecated. All other objects, such as users, groups, images (VM and baremetal), and template definitions, remain in the system.

- For application container templates, you must specify the IP address for the gateway by manually selecting a pool, instead of using DHCP. The API is unable to retrieve the IP address of the gateway VM using DHCP.

- Virtual machine templates must have VMware tools installed in order to migrate from a VM enterprise to a public cloud. This is required in order for the workflow to be able to power off the virtual machine in vCenter. If VMware tools is not installed, you must power off the virtual machine using the **Power Off** operation from Cisco Prime Service Catalog prior to migration, otherwise the workflow will fail.

- The **Clone VM** operation for virtual machines that are part of a VACS container may intermittently fail to provision. Virtual machines that are part of an application container or virtual machines deployed from a standard catalog will succeed.

- Cisco Prime Service Catalog Virtual Appliance managed connections using HTTPS require access to Cisco UCS Director and/or Cisco Intercloud Fabric Director for full implementation. For more

information, see the Providing Infrastructure as a Service (IaaS) section of the Cisco Prime Service Catalog Administration and Operation Guide.

- Stack provisioning is not supported when LDAP is enabled. The ordering of services function created by Stack Designer is not supported for container creation and subsequent stack provisioning when LDAP has been enabled on the Cisco Prime Service Catalog Virtual Appliances. Services created in Cisco Prime Service Catalog based on the discovery to Application Container Templates or Container Service Catalogs are supported when LDAP is enabled.

- For VACS containers and stack provisioning, we recommend that you use a custom container to allow the application and DBZone virtual machines to have external connectivity beyond the container. This connectivity is required for stack provisioning as virtual machines need to reach Cisco Prime Service Catalog Virtual Appliance Puppet and Orchestration as well as repositories on the Internet. The current implementation of VACS 3 Tier External Container does not allow for this connectivity.

- In the **Create VM Disk** operation, the drop-down menu does not display a datastore for application container VMs. There is no workaround for this issue.

- If a virtual machine is deployed using a standard catalog, the **MyServers** page will not load for that user. Operations on the virtual machine will still be available from **MyStuff** > **Service Items** > **Cloud Infrastructure** > **Virtual Machines**.

Open and Resolved Bugs

The open and resolved bugs for this release are accessible through the Cisco Bug Search Tool. This web-based tool provides you with access to the Cisco bug tracking system, which maintains information about bugs and vulnerabilities in this product and other Cisco hardware and software products.

Note You must have a Cisco.com account to log in and access the Cisco Bug Search Tool. If you do not have one, you can register for an account.

For more information about the Cisco Bug Search Tool, see the Bug Search Tool Help & FAQ.

Open Bugs for This Release

All open bugs for this release are available in the Cisco Bug Search Tool through the following searches.

The results of that search include workarounds for the open bugs, if any.

Open Bugs in Release 2.5

You can find detailed information about resolved bugs in Release 2.5 by searching for the open bugs for each component.

Field	Parameter
Product drop-down list	Choose **Series/Model** and enter the component name.
Releases drop-down list	Choose **Affecting or Fixed in these Releases** and enter release version for the component.

Field	Parameter
Filter	Choose **Open** from the **Status** drop-down list.

Component	Release Version
Cisco UCS Director 5.4	5.4(0.0)
Cisco Prime Service Catalog 11.1	11.1 VA patch v4a
Cisco Intercloud Fabric	2.3.1
Cisco Virtual Application Cloud Segmentation Services	5.4STV2.1
Cisco UCS Performance Manager	1.1(1)

Note   Cisco UCS Director Baremetal Agent 5.4 resolved bugs are included in the Cisco UCS Director 5.4 search.

Resolved Bugs in This Release

All resolved bugs for this release are available in the Cisco Bug Search Tool through the following searches.

Resolved Bugs in Release 2.5

You can find detailed information about resolved bugs in Release 2.5 by searching for the resolved bugs for each component.

Field	Parameter
Product drop-down list	Choose **Series/Model** and enter the component name.
Releases drop-down list	Choose **Affecting or Fixed in these Releases** and enter release version for the component.
Filter	Choose **Fixed** from the **Status** drop-down list.

Component	Release Version
Cisco UCS Director 5.4	5.4(0.0)
Cisco Prime Service Catalog 11.1	11.1 VA patch v4a
Cisco Intercloud Fabric	2.3.1

Component	Release Version
Cisco Virtual Application Cloud Segmentation Services	5.4STV2.1
Cisco UCS Performance Manager	1.1(1)

Note Cisco UCS Director Baremetal Agent 5.4 resolved bugs are included in the Cisco UCS Director 5.4 search.

Related Documentation

In addition to these release notes, you can find documentation for Cisco ONE for Data Center Compute, Release 2.5 in the following location on Cisco.com:

- Cisco ONE for Data Center Compute Integration Guide

Obtaining Documentation and Submitting a Service Request

For information on obtaining documentation, using the Cisco Bug Search Tool (BST), submitting a service request, and gathering additional information, see *What's New in Cisco Product Documentation*, at: http://www.cisco.com/c/en/us/td/docs/general/whatsnew/whatsnew.html.

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