Cisco Cloud Services Platform 2100 Release Notes, Release 2.0.0

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Cisco Cloud Services Platform 2100 Release Notes

This document describes the features, limitations, and bugs for the Cisco Cloud Services Platform 2100, Release 2.0.0.

Information About Cisco Cloud Services Platform 2100

Cisco Cloud Services Platform 2100 (Cisco CSP 2100) is a software and hardware platform for data center network functions virtualization. This open kernel virtual machine (KVM) platform, with Red Hat Enterprise Linux (RHEL) 7.2 as the base operating system, is designed to host networking virtual services.

Cisco CSP 2100 also supports services from other third-party vendors, including application firewalls, application delivery controllers, and value-added mobility services. Cisco CSP 2100 provides REST APIs, a web interface, and a command-line interface (CLI) for creating and managing the virtual machine (VM) lifecycle.

Supported Cisco Networking Services

Cisco CSP 2100 supports the following Cisco networking services:

- Cisco Virtual Supervisor Module (VSM) for Cisco Nexus 1000V Switch deployments (VMware vSphere, KVM, and Microsoft Hyper-V).
- Cisco Virtual Security Gateway (VSG) for Cisco Nexus 1000V Switch deployments.
- Cisco Cloud Services Router (CSR) 1000V Series.
- Cisco Adaptive Security Virtual Appliance (ASAv), supports QCOW image only.
- Cisco Prime Data Center Network Manager (DCNM).
- Cisco Virtual Network Analysis Module (vNAM).

New Features and Enhancements

Cisco CSP 2100, Release 2.0.0 includes the following features and enhancements:

Feature	Description
Day0 Configuration Support	This feature allows you to specify a Day0 configuration file while creating a service. The Day0 configuration file contains the configuration that is used to create a service. You can specify the Day0 configuration file using the web interface, CLI, or REST API.
NFS Support	This feature allows you to add an NFS storage location. You can add an NFS location using the web interface, CLI, or REST API.
Multiple Disks Support	This feature allows you to add up to two storage disks for a service. You can add the storage disks using the web interface, CLI, or REST API.
Serial Port Support	This feature allows you to add serial ports to a service. You can add a serial port using the web interface, CLI, or REST API.
Service Template Support	This feature allows you to create a service using a template, save a service as a template, and delete a template. This feature is supported through the web interface.
Service Import and Export Support	This feature allows you to export a service and create or import a service using an exported service. Cisco CSP 2100 supports VSBs imported from Cisco Nexus 1010 and Cisco Nexus 1110 platforms. You can import or export a service using the web interface, CLI, or REST API.
UDP-Only Support for Remote Syslog Server	This feature allows you to specify that the remote syslog server uses only UDP port for transport. You can configure this feature using the CLI or REST API.
Web Interface Enhancement	This enhancement provides a redesigned web interface for improved ease of use.

Configuration Limits

Use the following configuration limits for the Cisco CSP 2100 server.

Component	Supported Limits
Number of services in a node with hyperthreading enabled	15 (Each service can have a maximum of 2 virtual CPUs + 4 GB RAM.)
Number of services in a node with hyperthreading disabled	7 (Each service can have a maximum of 2 virtual CPUs + 4 GB RAM.)
Total number of nodes in a cluster	5

Component	Supported Limits
Number of vNICs per service	10

Important Notes and Restrictions

The following topics provide important notes and restrictions for Cisco CSP 2100.

Changing IP Address of the Management Interface for NFS Configurations

If NFS is configured on the system, note the following:

- Changing the management IP address causes an outage of the VNC console and stats collection for 15-30 minutes.
- Reboot of the system can take up to 30 minutes.

As a workaround, you can unconfigure the NFS mount before performing these operations and reconfigure the NFS mount after the operation is complete. You can also reboot the system from the CSP 2100 CIMC connection.

Configuring Passthrough Interfaces

Before configuring the passthrough interface for a service, we recommend that you define the access and trunk interfaces for the service.

Restrictions

Cisco CSP 2100 has the following restrictions:

- Management interfaces cannot be configured as passthrough interfaces.

Using the Bug Search Tool

Use the Bug Search Tool to search for a specific bug or to search for all bugs in a release.

Step 1 Go to http://tools.cisco.com/bugsearch.

Step 2 In the Log In screen, enter your registered Cisco.com username and password, and then click **Log In**. The Bug Search page opens.

Note If you do not have a Cisco.com username and password, you can register for them at http://tools.cisco.com/RPF/register/register.do.

Step 3 To search for a specific bug, enter the bug ID in the Search For field and press **Enter**.

Step 4 To search for bugs in a specific release:

a) In the Product field, choose Series/Model from the drop-down list and then enter the product name in the text field.

Step 5 To search for bugs in the current release:

a) In the Search For field, enter **Cisco Cloud Services Platform 2100** and press **Enter**. Leave the other fields empty.

b) When the search results are displayed, use the filter tools to find the types of bugs you are looking for. You can search for bugs by status, severity, modified date, and so on.

Tip To export the results to a spreadsheet, click the **Export Results to Excel** link.

Open Bugs

The following table lists the ID and description of open bugs that apply to Cisco CSP 2100, Release 2.0.0.

Bug ID	Description
CSCuy92863	Extra storage disk is recreated when a service is powered off and powered on.
CSCuy20150	LLDP information not displayed for pNICs in a port channel.
CSCuy21987	A storage disk cannot be deleted using the web interface.
CSCuy22064	The vsb_trans_daemon died message is displayed if service VSB is powered off while creating a service VSB.
CSCuy22069	The VNC viewer console hangs for imported Cisco Nexus 1110 service image.
CSCuy33994	10G pNIC speed incorrectly displayed as 1G when the pNIC is used in the passthrough mode.
CSCuy34135	Import feature does not use the imported storage disk.
CSCuy47918	Incorrectly configuring NFS storage parameters can result into vsb_trans_daemon restart.
CSCuy51743	While configuring a service through CLI, a check is required to verify that a correct pNIC name is provided.
CSCuy61373	Images larger than 2 GB cannot be copied using the web interface.

Related Documentation for Cisco Cloud Services Platform 2100

This section lists the documents used with the Cisco Cloud Services Platform 2100 and available on Cisco.com at the following URL:

http://www.cisco.com/c/en/us/support/switches/cloud-services-platform-2100/tsd-products-support-series-home.html

General Information

Cisco Cloud Services Platform 2100 Release Notes

Install and Upgrade

Cisco Cloud Services Platform 2100 Quick Start Guide

Cisco Cloud Services Platform 2100 Hardware Installation Guide

Regulatory Compliance and Safety Information for Cisco Cloud Services Platform 2100

Reference Guides

Cisco Cloud Services Platform 2100 Command Reference Guide

Cisco Cloud Services Platform 2100 REST API 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.

To receive new and revised Cisco technical content directly to your desktop, you can subscribe to the What's New in Cisco Product Documentation RSS feed. RSS feeds are a free service.