



Cisco Cloud Services Platform 2100 Release Notes, Release 2.1.1

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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 2.1.1.

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 provides REST APIs, a web interface, and a 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).

Cisco CSP 2100 also supports services from other third-party vendors including application firewalls, application delivery controllers, and value-added mobility services. Any third-party service that is supported on KVM is supported on Cisco CSP 2100.

New Features and Enhancements

Cisco CSP 2100, Release 2.1.1 includes the following features and enhancements:

Feature	Description
Support for new hardware platform and configurations	<ul style="list-style-type: none"> • Hardware Platform: A new CSP-2100-X2 platform is introduced which is a two-rack-unit (2RU) platform based on the Cisco UCSC-C240-M4SX. This platform has the Intel Xeon Processor E5-2697 v4 with 2.30 GHz processor base frequency, 45 MB SmartCache, 145 W TDP, and 2400 MHz DDR. • Memory: Support for variable amount of RAM from 64 GB to 384 GB. • Hard Drives: Support for HDD or SSD drives. Up to 20 drives (RAID 10) are supported with CSP-2100-X2. • Network Interface Cards: Support for 1–6 Intel X520 Dual-Port 10 Gb SFP+ Adapters with CSP-2100-X2. • Power Supply: Support for AC or DC power supply.
Support for larger virtual drives	RAID virtual drives larger than 2 TB size are supported. To deploy Cisco CSP 2100 on virtual drives larger than 2 TB, you must resize and reformat the virtual drives and perform a clean installation of Cisco CSP 2100.

Configuration Limits

Use the following configuration limits for Cisco CSP 2100.

Component	Supported Limits
Number of services in a node with hyperthreading disabled	Up to 15 (when each service is configured with one CPU)
Total number of nodes in a cluster	5
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 to 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 Cisco CSP 2100 CIMC connection.

Configuring Passthrough Interfaces

When a service has passthrough as well as non-passthrough vNICs, we recommend that you first define the non-passthrough vNICs and then define the passthrough vNICs.

Running config terminal Command After Initial Setup

The **config terminal** command fails when you run it after performing the initial setup for a new installation. This happens because the admin user is not assigned to a group at the initial login. To run this command and configure Cisco CSP 2100 features, you must log out and then log in to the Cisco CSP 2100.

Restrictions

Cisco CSP 2100 has the following restrictions:

- Management interfaces cannot be configured as passthrough interfaces.
- Only local admin users have the functionality to autocollect images in repositories across the Cisco CSP 2100 nodes in a cluster. This functionality is not available for the TACACS+ or RADIUS admin users.
- Only local users can log in to the Cisco CSP 2100 using CIMC console. Remote TACACS+ users cannot log in to the Cisco CSP 2100 using CIMC console.
- Only the vNIC e1000 model is supported with Cisco VSM and Cisco VSG services.

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.

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- 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, 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, in the **Search For** field, enter **Cisco Cloud Services Platform 2100** and press **Enter**. Leave the other fields empty.
- 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 2.1.1.

Bug ID	Description
CSCva89131	Modification of VSB Configuration is not reflected in Export until the power state changes.
CSCva62825	MAC address shown in the show vnic_stat command output does not match what the VSB is using.
CSCva56743	The show vnic_stat command does not show the vNIC number.
CSCva35498	Increased memory use with continuous snmpwalks from an external system when SNMP is enabled.
CSCva62308	Creating SR-IOV VF causes links to stay down.
CSCva64193	Images are not automatically copied to all nodes in a cluster.

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

Configuration Guide

Cisco Cloud Services Platform 2100 Configuration Guide

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](#).

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