



Cisco Cloud Services Platform 2100 Release Notes, Release 1.0

First Published: September 10, 2015

Last Modified: May 24, 2016

Cisco Cloud Services Platform 2100 Release Notes

This document describes the features, limitations, and caveats for the Cisco Cloud Services Platform 2100, Release 1.0.

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) 7.0 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 graphical user interface, and a command-line interface 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).

Deploying a Cisco VSM Service in an HA Pair on Cisco Nexus 1000V for VMware vSphere, Release 5.2(1)SV3(1.3) or Earlier Releases

To deploy a Cisco VSM service (VSM) in an HA pair on Cisco Nexus 1000V for VMware vSphere, Release 5.2(1)SV3(1.3) or earlier releases, complete the following steps:

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- Step 1** Deploy two different VSMs as standalone. Both VSMs should have the same domain ID and IP address.
- Step 2** Load the boot variables on both VSMs and save the running configuration using the **copy run start** command.
- Step 3** Change the redundancy role for both VSMs. Assign the primary role to one VSM and the secondary role to the other VSM.
- Step 4** Reload the secondary VSM.
The secondary VSM reloads in standby mode, creating an HA pair with the primary VSM.
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Limits and Restrictions

Note the following limits and restrictions for Cisco CSP 2100:

- [Configuration Limits](#), on page 2
- [Restrictions](#), on page 3

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
Number of vNICs per service	10

Restrictions

Cisco CSP 2100 has the following restrictions:

- Services with only one virtual disk are supported.
- PCI passthrough pNICs are restricted to one service per node.
- 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 1.0.

Bug ID	Description
CSCuu51444	CSP should return an error message if an invalid IP address is configured in the cluster.
CSCuv66741	For a running service, VLAN is not editable through the GUI.
CSCuv71955	A service is not cleared correctly if it is deleted during the create_in_progress event.

Bug ID	Description
CSCuv76168	The OVA installation file does not show the questionnaire when used through the GUI.
CSCuv82114	Modifying the port channel deletes the vnet interfaces.
CSCuv82143	The GUI does not show the VLAN range set on the port channel.

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*, at: <http://www.cisco.com/c/en/us/td/docs/general/whatsnew/whatsnew.html>.

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