



Cisco Virtual Switch Update Manager Release Notes, Release 1.1

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This document describes the features, limitations, and caveats for the Cisco Virtual Switch Update Manager (Cisco VSUM) Release 1.1 software. Use this document in combination with documents listed in the [Related Documentation, page 5](#).

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Introduction

Cisco VSUM is a virtual appliance that is registered as a plug-in to VMware vCenter Server. The Cisco VSUM graphical user interface (GUI) is an integral part of the VMware vSphere Web Client; it can only be accessed by logging into the VMware vSphere Web Client.



Cisco VSUM simplifies the installation and configuration of the Cisco Nexus 1000V and the Cisco Application Virtual Switch (AVS).

Cisco VSUM enables you to do the following:

- Cisco Nexus 1000V for VMware vSphere
 - Install the Cisco Nexus 1000V switch.
 - Migrate the VMware vSwitch and VMware vSphere Distributed Switch (VDS) to the Cisco Nexus 1000V.
 - Monitor the Cisco Nexus 1000V.
 - Upgrade the Cisco Nexus 1000V and add hosts from an earlier version to the latest version.
 - Install the Cisco Nexus 1000V license.
 - View the health of the virtual machines in your datacenter using the Dashboard - Cisco Nexus 1000V.
 - Upgrade from Cisco VSUM 1.0 to 1.1.
- Cisco AVS
 - Add hosts to the Cisco AVS.
 - Upgrade the Cisco AVS.
 - Upgrade from Cisco VSUM 1.0 to 1.1.

New and Changed Information

Installing New Cisco Nexus 1000V Switch with Existing VSM

Cisco VSUM for Cisco Nexus 1000V Release 1.1 enables you to install a Cisco Nexus 1000V switch by creating a new VSM or by using an existing VSM that is on a Cisco Nexus Cloud Services Platform (CSP). In the previous release, you could install a Cisco Nexus 1000V switch only by creating a new VSM.

Upgrading from Release 1.0 to Release 1.1

In Release 1.1, for both Cisco Nexus 1000V and Cisco AVS you also can upgrade from Release 1.0.

For more information, see the *Cisco Virtual Switch Update Manager Release 1.1 Getting Started Guide for Cisco Nexus 1000V* or the *Cisco Virtual Switch Update Manager Release 1.1 Getting Started Guide for Cisco Application Virtual Switch*.

Displaying Tasks in the vCenter Task Pane

Cisco VSUM 1.1 displays tasks in the vCenter task pane, so that users can monitor the status of operations like installing, adding a host, and upgrading.

Software Compatibility

The servers that run the Cisco Nexus 1000V VSM and VEM must be in the [VMware Hardware Compatibility List](#).

This release of the Cisco VSUM supports vSphere 5.5, 5.1, 5.0, and 4.1 release trains for Cisco Nexus 1000V and vSphere 5.5 and 5.1 release trains for Cisco AVS.

For information on the compatibility information with Cisco Nexus 1000V, see the *Cisco Virtual Switch Update Manager Release 1.1 Getting Started Guide for Cisco Nexus 1000V*.

For information on the compatibility information with Cisco Application Virtual Switch, see the *Cisco Virtual Switch Update Manager Release 1.1 Getting Started Guide for Cisco Application Virtual Switch*.

Limitations and Restrictions

This section describes the limitations and restrictions of the Cisco Virtual Switch Update Manager, Release 1.1.

- Upgrading Cisco AVS does not upgrade the Cisco Application Policy Infrastructure Controller (APIC) and the other fabric components. See the *Cisco APIC Getting Started Guide* for information about upgrading the Cisco APIC.

Scalability Limits

The following table lists the recommended scalability limits for Cisco VSUM.

Table 1 **Scalability Limits for the Cisco VSUM**

Feature	Hosts/vEthS
Migrating Cisco Nexus 1000V	
Maximum number of hosts that can be migrated in a single attempt	120 hosts
Maximum number of VMs that can be migrated per host	35 VMs
Upgrading Cisco Nexus 1000V	
Maximum number of hosts that can be upgraded	30 hosts
Adding hosts to Cisco AVS	
Maximum number of hosts that can be added in a single attempt	105 hosts
Upgrading Cisco AVS	
Maximum number of hosts that can be upgraded in a single attempt	25 hosts

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** At the Log In screen, enter your registered Cisco.com user name and password; then, click **Log In**. The Bug Search page opens.



Note If you do not have a Cisco.com user name 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 **Return**.

Step 4 To search for bugs in the current release:

- a. In the Search For field, enter a problem, feature, or a product name and press **Return**. (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 modified date, status, severity, and so forth.



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

Caveats

The following are descriptions of the resolved and open caveats in Cisco Virtual Switch Update Manager, Release 1.1. The bug ID links you to the Cisco Bug Search tool.

Table 2 *Resolved Caveats*

Bug ID	Headline
CSCur12303	Cisco VSUM bash vulnerability - CVE-2014-6271 and CVE-2014-7169
CSCur08495	VSUM 1.0 is failing to manage the existing switch for TACACS credentials
CSCur01853	Nexus 1000v VSUM does not create port profiles
CSCup73640	If you expand the cluster in the Add Host area, the scroll bar disappears.
CSCup75502	When the Cisco Nexus 1000V switch is deployed manually, the Monitor tab in the Cisco VSUM user interface does not work effectively
CSCuq17066	While deploying the VSM, if you select a host that is in a disconnected state, you see an internal error when you click the Finish button during the installation
CSCuq24664	If the number of hosts is more than 32, the Physical NIC page does not display correctly while adding hosts to the Cisco AVS
CSCuq29079	If the datacenter includes a large number of hosts, the Host Selection page does not display properly
CSCuq47085	While migrating Cisco Nexus 1000V, when you enter the IP address of the VMkernel NIC, you get a request error message

Table 3 *Open Caveats*

Bug ID	Headline
CSCup31160	When you log in to Web Client using the network-admin profile, the logout button is unavailable
CSCup68870	While migrating Cisco Nexus 1000V, the Cisco VSUM does not allow you to migrate the host if the host has the PVLAN configured

Table 3 *Open Caveats (continued)*

Bug ID	Headline
CSCup75616	If the Ethernet Interface is in a DOWN state, the Dashboard–Cisco Nexus 1000V page displays it as healthy and does not display any warning or error
CSCur45032	Cisco VSUM 1.1: Issues with tasks queued in vCenter

Related Documentation

This section lists the documents used with Cisco VSUM and available at the following URL:

[Cisco Nexus 1000V for VMware vSphere Documentation](#)

General Information

Cisco Virtual Switch Update Manager Release Notes

Install and Upgrade

- *Cisco Virtual Switch Update Manager Release 1.1 Getting Started Guide for Cisco Nexus 1000V*
- *Cisco Virtual Switch Update Manager Release 1.1 Getting Started Guide for Cisco Application Virtual Switch*

Troubleshooting and Alerts

Cisco Virtual Switch Update Manager Troubleshooting Guide

Nexus 1000V Documentation

[Cisco Nexus 1000V for VMware vSphere Documentation](#)

Application Virtual Switch

[Cisco Application Virtual Switch Documentation](#)

Virtual Security Gateway Documentation

[Cisco Virtual Security Gateway Documentation](#)

Prime Network Services Controller Documentation

[Cisco Prime Network Services Controller](#)

Documentation Feedback

To provide technical feedback on this document or report an error or omission, please send your comments to nexus1k-docfeedback@cisco.com.

We appreciate your feedback.

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/en/US/docs/general/whatsnew/whatsnew.html>.

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