



Cisco Virtual Switch Update Manager Release Notes, Release 1.2

First Published: February 18, 2015
Last Updated: June 16, 2015

This document describes the features, limitations, and caveats for the Cisco Virtual Switch Update Manager (Cisco VSUM) Release 1.2 software. Use this document in combination with documents listed in [Related Documentation, page 5](#).

Contents

This document includes the following sections:

- [Introduction, page 1](#)
- [New and Changed Information, page 2](#)
- [Software Compatibility, page 2](#)
- [Limitations and Restrictions, page 3](#)
- [Scalability Limits, page 3](#)
- [Using the Bug Search Tool, page 3](#)
- [Caveats, page 4](#)
- [Related Documentation, page 5](#)
- [Documentation Feedback, page 5](#)
- [Obtaining Documentation and Submitting a Service Request, page 5](#)

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 or 1.2.
- Cisco AVS
 - Install Cisco AVS vSphere Installation Bundle (VIB) to ESXi host.
 - Add hosts to the Cisco AVS.
 - Upgrade the Cisco AVS.
 - Upgrade from Cisco VSUM 1.0 to 1.1 or 1.2.

New and Changed Information

Upgrading from Release 1.0 or Release 1.1 to Release 1.2

For both the Cisco Nexus 1000V and the Cisco AVS, you can upgrade from Cisco VSUM Release 1.0 or 1.1 to Release 1.2.

For more information, see:

- *Cisco Virtual Switch Update Manager Release 1.2 Getting Started Guide for Cisco Nexus 1000V*
- *Cisco Virtual Switch Update Manager Release 1.2 Getting Started Guide for Cisco Application Virtual Switch*

Nexus 1000v software included with VSUM 1.2

Nexus 1000v software version 5.2(1)SV3(1.3) binaries are included in the VSUM 1.2 OVA file.

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 compatibility with Cisco Nexus 1000V, see the *Cisco Virtual Switch Update Manager Release 1.2 Getting Started Guide for Cisco Nexus 1000V*.

For information on compatibility with Cisco Application Virtual Switch, see the *Cisco Virtual Switch Update Manager Release 1.2 Getting Started Guide for Cisco Application Virtual Switch*.

Limitations and Restrictions

This section describes the limitations and restrictions of the Cisco VSUM, Release 1.2.

- 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/VMs
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 AVS¹	
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	105 hosts

- Adding hosts to Cisco AVS will actually install Cisco AVS VIB file on the ESXi host and then will add the AVS-ESXi host to the Cisco AVS Distributed Virtual Switch (DVS).

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 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 open and resolved caveats in Cisco VSUM, Release 1.1. The bug ID links you to the Cisco Bug Search tool.

Table 2 *Open Caveats*

Bug ID	Headline
CSCuu29256	VSUM: Internal failure when adding host if uplink to VMware DVS is down
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
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
CSCus51185	Layer 3 port profiles are missing from the port profile drop-down menu when vmk0 is unchecked
CSCur32290	VSUM1.1: VM migration didn't trigger when migrating more than 35 VMs with veths
CSCus78145	VSUM: Come out of upgrade screen after creating task on upgrade AVS
CSCus80287	VSUM dashboard cannot retrieve all info as VSM cannot handle all TACACS requests
CSCus79229	Data pulling is too slow on monitor of VSUM with general failure error

Table 3 *Resolved Caveats*

Bug ID	Headline
CSCus40338	VSUM: DVS does not show up under AVS configure screen

Related Documentation

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

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

[Cisco AVS documentation](#)

General Information

Cisco Virtual Switch Update Manager Release Notes

Install and Upgrade

- *Cisco Virtual Switch Update Manager Release 1.2 Getting Started Guide for Cisco Nexus 1000V*
- *Cisco Virtual Switch Update Manager Release 1.2 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 Documentation

[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](#)

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>.

Subscribe to *What's New in Cisco Product Documentation*, which lists all new and revised Cisco technical documentation, as an RSS feed and deliver content directly to your desktop using a reader application. The RSS feeds are a free service.

Cisco and the Cisco logo are trademarks or registered trademarks of Cisco and/or its affiliates in the U.S. and other countries. To view a list of Cisco trademarks, go to this URL: www.cisco.com/go/trademarks. Third-party trademarks mentioned are the property of their respective owners. The use of the word partner does not imply a partnership relationship between Cisco and any other company. (1110R)

© 2014–2015 Cisco Systems, Inc. All rights reserved.