Cisco Virtual Switch Update Manager Release Notes, Release 1.0

This document describes the features, limitations, and caveats for the Cisco Virtual Switch Update Manager Release 1.0 software. Use this document in combination with documents listed in the Related Documentation, page 4.

Contents

This document includes the following sections:

Introduction

The Cisco Virtual Switch Update Manager (VSUM) is a virtual appliance that is registered as a plug-in to VMware vCenter Server. The Cisco Virtual Switch Update Manager 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.

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

The 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 Nexus1000V.
    - Monitor the Cisco Nexus 1000V.
    - Upgrade the Cisco Nexus 1000V and added 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.
- Cisco AVS
    - Add hosts to the Cisco AVS.
    - Upgrade the Cisco AVS.

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 1.0 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 1.0 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 1.0.

- 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 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	64 hosts
Maximum number of VMs that can be migrated per host	50 VMs
Maximum number of vEths that can be migrated per host	500 vEths
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	32 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.

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 caveats in Cisco Virtual Switch Update Manager, Release 1.0. The bug ID links you to the Cisco Bug Search tool.

Table 2   *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.
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.
CSCup75616	If the Ethernet Interface is in a DOWN state, the Dashboard–Cisco Nexus 1000V page display it as healthy and does not display any warning or error.
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.

Related Documentation

This section lists the documents used with the Cisco VSUM and available on Cisco.com 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 1.0 Getting Started Guide for Cisco Nexus 1000V*
- *Cisco Virtual Switch Update Manager Release 1.0 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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