Release Notes for Cisco Nexus 1000V InterCloud Release 5.2(1)IC1(1.1)

July 03, 2013
Release 5.2(1)IC1(1.1)
OL-29141-01

Contents

This document describes the limitations and caveats for the Cisco Nexus 1000V InterCloud Software. Use this document in combination with documents listed in the "Related Documentation" section.

Part number	Revision	Date	Description
OL-29141-01	AO	July 03, 2013	Created Release Notes for Release 5.2(1)IC1(1.1)

Introduction

Hybrid cloud is an interaction between private and public clouds where private clouds extend to public clouds and utilize public cloud resources in a secure and scalable way. Cisco Nexus 1000V InterCloud provides the architectural foundation for secure hybrid clouds, allowing enterprises to easily and securely connect the enterprise data center to the public cloud. With a hybrid cloud, enterprises can combine the benefits of public and private clouds.

Cisco Nexus 1000V InterCloud provides the following benefits:

- Provides a highly secure Layer 2 connectivity between the enterprise data center and the public cloud.
- Provides a single pane of management across enterprise data centers and public clouds through Cisco Prime Network Services Controller.
- Enables use of same network policies and services across private and public clouds.

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Cisco Nexus 1000V InterCloud Architecture

Cisco Nexus 1000V InterCloud is a hybrid cloud solution deployed as virtual machines in the enterprise data center and in the public cloud. In the Cisco Nexus 1000V InterCloud solution, one or more Virtual Ethernet Module (VEM) is deployed in the cloud as an extension of a Cisco Nexus 1000V. Cisco Nexus 1000V InterCloud solution consists of the following components:

- Cisco Prime Network Services Controller
- InterCloud Switch (ICS)
- InterCloud Extender (ICX)
- InterCloud Agent (ICA)
- Cisco Nexus 1000V VSM

For more information about installing and configuring the components of Cisco Nexus 1000V InterCloud, see the *Cisco Nexus 1000V InterCloud Installation Guide*.

Software Compatibility

Table 1 lists the minimum supported versions of the services required for the Cisco Nexus 1000V InterCloud deployment.

Table 1 Minimum versions supported by Cisco Nexus 1000V InterCloud Release 5.2(1)IC1(1.1)

Services	Minimum versions supported by theCisco Nexus 1000V InterCloud Release 5.2(1)IC1(1.1)
Cisco Prime Network Services Controller (PNSC)	3.0
VMware ESX and ESXi	5.0/5.1

Limitations and Restrictions

Cisco Nexus 1000V InterCloud has the following limitations and restrictions:

- An InterCloud Switch can support up to a maximum of 32 VMs.
- Cisco Nexus 1000V InterCloud Release 5.2(1)IC1(1.1) supports only the features documented in the product documentation for this release. CLI commands might be present in the software for some features that are currently not supported. If a feature is not documented, it is not supported in Release 5.2(1)IC1(1.1). See the Related Documentation section for a complete list of Cisco Nexus 1000V InterCloud product documentation.

Caveats

The following are descriptions of the open caveats in Cisco Nexus 1000V InterCloud Release 5.2(1)IC1(1.1).

Table 2   Release Caveats

Bug ID	Description
CSCud02132	The Cisco Nexus 1000V InterCloud VSM displays the last known port state as UP in the output for show commands even after the module goes offline. Workaround: Use the **show modules** and **show interface brief** commands to determine the offline module and their associated ports.
CSCuh53297	The **show module service** command output displays incorrect access tunnel (AT) status. Workaround: Check the status of the Access Tunnel in the Cisco Prime Network Services Controller.
CSCuh01339	Cisco Nexus 1000V InterCloud VSM deployment on a Cisco Nexus Cloud Services Platform hangs at the 'VSB DEPLOY IN PROGRESS' state when the domain ID is greater than 1024.
CSCug56679	The **show ip igmp snooping querier detail** command output does not display the querier details.
CSCug77246	Static multicast entries are not configured on the InterCloud Swtich after a vlan is deleted and recreated. Workaround: Delete and re-program the static IGMP entries.
CSCug77270	The **show processes cpu** command output displays incorrect CPU utilization statistics in the InterCloud Extender.
CSCug31353	Unable to delete dynamic group entries which are discovered on a vEth interface.
CSCuh56317	On rare instances, the Access Tunnel (AT) fails to start up when the InterCloud Switch is rebooted.
CSCuh61619	Changes in the InterCloud Extender management IP address from a Cisco Prime Network Services Controller are not reflected in the Cisco Nexus 1000V InterCloud VSM commands.
CSCuh70926	InterCloud Agents attached to older InterCloud Extenders are displayed when the **show module** command fails.
CSCuh73323	The InterCloud Agent Access Tunnel status appears as "failed" for an UP tunnel in the Cisco Prime Network Services Controller, when you stop and start the InterCloud Agent.
CSCuh75074	Changing the InterCloud Switch/InterCloud Extender gateway IP address through the Cisco Prime Network Services Controller is unsuccessful. Workaround: Manually update the gateway IP address on the InterCloud Switch/InterCloud Extender.
CSCuh73663	The **show module service intercloud detail** command displays incorrect high availability (HA) status when an InterCloud Link has been converted from a standalone to HA mode.

Related Documentation

This section lists the documents used with the Cisco Nexus 1000V InterCloud and available on Cisco.com at the following URL:

http://www.cisco.com/en/US/products/ps12904/tsd_products_support_series_home.html

General Information

Cisco Nexus 1000V InterCloud Release Notes

Install and Upgrade

Cisco Nexus 1000V InterCloud Installation Guide

Configuration Guides

Cisco Nexus 1000V InterCloud License Configuration Guide

Cisco Nexus 1000V InterCloud High Availability and Redundancy Configuration Guide

Cisco Nexus 1000V InterCloud Interface Configuration Guide

Cisco Nexus 1000V InterCloud Layer2 Configuration Guide

Cisco Nexus 1000V InterCloud Port Profile Configuration Guide

Cisco Nexus 1000V InterCloud Security Configuration Guide

Cisco Nexus 1000V InterCloud System Management Configuration Guide

Reference Guides

Cisco Nexus 1000V InterCloud Command Reference

Cisco Nexus 1000V MIB Quick Reference

Cisco Nexus 1000V InterCloud Resource Availability Reference

Cisco Prime Network Services Controller Documentation

Cisco Prime Network Services Controller Documentation

Troubleshooting, Password Recovery, System Messages Guides

Cisco Nexus 1000V Password Recovery Guide

Cisco Cisco Nexus 1000V InterCloud NX-OS System Messages Reference

Cisco Nexus 1000V Documentation

Cisco Nexus 1000V for VMware vSphere Documentation

Obtaining Documentation and Submitting a Service Request

For information on obtaining documentation, submitting a service request, and gathering additional information, see the monthly *What's New in Cisco Product Documentation*, which also lists all new and revised Cisco technical documentation, at:

http://www.cisco.com/en/US/docs/general/whatsnew/whatsnew.html

Subscribe to the *What's New in Cisco Product Documentation* as a Really Simple Syndication (RSS) feed and set content to be delivered directly to your desktop using a reader application. The RSS feeds are a free service and Cisco currently supports RSS Version 2.0.

Send document comments to nexus1k-docfeedback@cisco.com.