



Cisco Nexus Fabric Manager Release Notes for Administrators, Release 1.1(1)

This document describes the features, bugs, and limitations for Cisco Nexus Fabric Manager. Use this document in combination with documents listed in the “Obtaining Documentation and Submitting a Service Request” section.

Table 1 shows the online change history for this document.

Table 1. Online History Change

Date	Description
May 3, 2016	Added Known NX-OS Issues that Might Impact Cisco Nexus Fabric Manager Functionality section.
April 29, 2016	Created the Release Notes for Release 1.1(1)
December 11, 2015	Controlled Availability release.

Contents

- [Introduction](#)
- [Supported Platforms](#)
- [Supported NX-OS Releases](#)
- [Limitations](#)
- [Caveats](#)
- [Related Documentation](#)
- [Documentation Feedback](#)
- [Obtaining Documentation and Submitting a Service Request](#)

Introduction

The Cisco Nexus Fabric Manager (NFM) is a product designed to simplify fabric lifecycle management requirements for users requiring easier options than switch-by-switch offerings such as CLI and element managers. The NFM provides a simple point-n-click web-based user interface to a *fabric-aware* management engine that can build and manage fabrics based on simplified user requests. The NFM bears the heavy lifting of creating, installing, and maintaining proper fabric-wide switch configurations to deliver on these simplified requests. The NFM, being fabric-aware, also understands how the fabric should operate and can monitor and take actions within the fabric throughout its lifecycle to ensure optimal fabric operation. You can focus on workflows associated with delivering business-enabling applications and leave the complexity of building and managing the fabric to the NFM.

Limitations

Behind the scenes, the NFM implements a self-managed VXLAN-based topology incorporating an EVPN control plane. This choice of technology ensures a future-**proofed fabric delivering service for today and tomorrow's requirements in an open manner.**

Supported Platforms

- Cisco Nexus 9500 Series switches
- Cisco Nexus 9300 Series switches
- Cisco Nexus 9200 Series switches

Supported NX-OS Releases

Table 2 Supported NX-OS Releases

7.0(3)I3(1)	This release is supported.
7.0(3)I2(3)	This release is supported only if the patch for CSCuy96592 is loaded. If you are using AFP, make sure you are not using this release.
7.0(3)I2(2a), 7.0(3)I2(2b), 7.0(3)I2(2c), 7.0(3)I2(2d)	These releases are supported.

Limitations

The following are the known limitations for Cisco Nexus Fabric Manager:

- The fabric must be cabled in a two-layer leaf-spine topology. Super-spine architectures are not supported.
- The NFM supports the configuration of border-leaf switches but does not support border-spine configurations.
- The NFM supports the Cisco Nexus 9000 Family of switches running in NX-OS stand-alone mode only.
- The maximum number of total switches within a supported fabric is 20. This number represents a combination of leaf and spine switches.
- The maximum number of host-facing interfaces within the fabric connected to devices such as physical servers, firewalls, and load balancers is 1000. For example, a dual-homed host would count as two host-facing attachments.
- The maximum number of discovered hosts is limited to 500.
- The maximum number of configurable broadcast domains is limited to 200.
- The Cisco Nexus 2000 Series of fabric extenders (FEX) are supported in a limited fashion. They must be manually connected to a Cisco Nexus 9000 Series leaf switch. At this point, their interfaces are shown within the Cisco Nexus Fabric Manager.

Caveats

- The Cisco Unified Compute System B-Series (UCS) fabric interconnect module is discoverable by the NFM. However, any compute blades behind it are not represented within the NFM topology.

Caveats

The open and resolved bugs for this release are accessible through the [Cisco Bug Search Tool](#). This web-based tool provides you with access to the Cisco bug tracking system, which maintains information about bugs and vulnerabilities in this product and other Cisco hardware and software products.

Note: You must have a Cisco.com account to log in and access the [Cisco Bug Search Tool](#). If you do not have one, you can [register for an account](#).

For more information about the Cisco Bug Search Tool, see the Bug Search Tool Help & FAQ.

- [Known NX-OS Issues that Might Impact Cisco Nexus Fabric Manager Functionality](#)
- [Resolved Caveats - Cisco Nexus Fabric Manager, Release 1.1\(1\)](#)
- [Open Caveats - Cisco Nexus Fabric Manager, Release 1.1\(1\)](#)

Known NX-OS Issues that Might Impact Cisco Nexus Fabric Manager Functionality

Cisco Nexus Fabric Manager supports the NX-OS releases described in [Table 2](#). However, some of these releases are affected by issues that might impact Cisco Nexus Fabric Manager functionality. Go to the following URL to read the details:

<https://bst.cloudapps.cisco.com/bugsearch/search?kw=CSCuy96592 or CSCuz46651&pf=prdNm&sb=anfr&bt=custV>

Resolved Caveats - Cisco Nexus Fabric Manager Release 1.1(1)

Table 3 lists the Resolved Caveats in Cisco Nexus Fabric Manager, Release 1.1(1). Click the Record Number to access the Bug Search Tool and see additional information about the bug.

To see the most up-to-date list of Resolved Caveats, go to:

[https://bst.cloudapps.cisco.com/bugsearch/search?kw=*&pf=prdNm&pfVal=286305124&rls=1.1\(1\)&sb=fr&bt=custV](https://bst.cloudapps.cisco.com/bugsearch/search?kw=*&pf=prdNm&pfVal=286305124&rls=1.1(1)&sb=fr&bt=custV)

Table 3 Cisco Nexus Fabric Manager, Release 1.1(1) - Resolved Caveats

Record Number	Bug Headline
CSCux42966	Hostfacing port channel is shown active sometimes though it is inactive
CSCux42988	Disabling port channel reports incorrect reason for being inactive
CSCux43006	Broadcast domains do not take VLANs in certain circumstances
CSCux43010	Interfaces with 100Gbps not supported as members of a port channel
CSCux43011	Interface role from peerlink to hostfacing doesn't cause a rebuild
CSCux43012	Interface update from L2 to L3 to L2 does not enable BPDU guard

Caveats

CSCux43275	Interface tiles lose state and personality after multi-editing
CSCux43277	Topology spins after setting foreign device as desired neighbor
CSCux43279	Topology spins after refresh under some conditions
CSCux43284	A removed property is still included when creating a profile
CSCux43286	Multi-edit of interfaces doesn't show the right "Speed" options
CSCux43289	Modal windows sometimes don't fully fade in
CSCux43297	Cannot reopen a closed summary pane by clicking on the tile again
CSCux46650	Broadcast domain create: reverting Gateway field still sets the gateway
CSCux94279	LDAP authentication of users fails if "User Attribute" is empty
CSCux94359	NFM should not show LDAP Bind Password when typing
CSCux96270	NFM allows unauthenticated users to gain data about managed devices
CSCux99914	Agent does not apply config to switch if NFM admin user password changes
CSCuy25599	NFM will not work on switches connected to FEXs due to CDP issue
CSCuy37518	Invalid SNMP host causes incomplete configuration to be deployed on the
CSCuy37626	Switch upgrade stuck at 5%
CSCuy39728	NFM Apache service not starting due to apache.conf misconfiguration
CSCuy44591	CVE-2015-7547 glibc: getaddrinfo stack-based buffer overflow
CSCuy63714	Port channels need to show operational management state
CSCuy63717	Unable to upload images
CSCuz12928	Switch upgrade progress not updated correctly for certain member object

Open Caveats - Cisco Nexus Fabric Manager Release 1.1(1)

Table 4 lists descriptions of open bugs in Cisco Nexus Fabric Manager, Release 1.1(1). You can use the record number to search the Cisco Bug Search Tool for details about the bug.

To see the most up-to-date list of Open Caveats, go to

[https://bst.cloudapps.cisco.com/bugsearch/search?kw=*&pf=prdNm&pfVal=286305124&rls=1.1\(1\)&sb=af&bt=custV](https://bst.cloudapps.cisco.com/bugsearch/search?kw=*&pf=prdNm&pfVal=286305124&rls=1.1(1)&sb=af&bt=custV)

Table 4 Cisco Nexus Fabric Manager, Release 1.1(1) - Open Caveats

Record Number	Bug Headline
CSCux42972	Disabling peerlink interface doesn't disable the interface on the switch

Caveats

CSCux43004	vPC config is not pushed when an unconfigured switch reboots
CSCux43009	Interface part of a port channel does not update interfaceType
CSCux43267	Switch editing: cannot remove username or password if they are profiled
CSCux43282	Failed delete of VRFs incorrectly shows the selection as cleared
CSCux43296	Updating object memberships seems to show an object being created
CSCuy63722	Summary pane horizontal scrollbar partially cut off
CSCuz22019	Interface operational MAC address no longer gets updated
CSCuz22020	User can set IP addresses from same subnet on L3 interfaces
CSCuz22022	Cannot move an interface from one port channel to another using REST API
CSCuz25021	Network configuration change causes NFM service restart
CSCuz25989	Switchpool Available VLANs shows 0 after editing switchpool settings
CSCuz25990	Port channel member physical interface Tx/Rx speed dials show "N/A" sometimes
CSCuz25991	Newly created VRF is not cleaned up if switchpool association fails
CSCuz25992	Spinner continues when moving from "Overview" to "Settings" tab
CSCuz25993	Output is sometimes missing lines
CSCuz25994	Port channel graphs show gaps after being open for several minutes
CSCuz25995	Deleting a port channel from its Overview does not return to the tiles
CSCuz25997	Text fields in switch multi-edit do not show Mixed after revert
CSCuz25998	Port channel member interface states are not live updated
CSCuz26000	The select mark is not shown on tiles that were not yet loaded
CSCuz26002	Broadcast domain VLAN ID does not show placeholder text after revert.
CSCuz26003	"Role undetermined" vs. filter for "unknown" role
CSCuz26004	Applying a filter expression sometimes gives unexpected results
CSCuz26005	Switch label "Upgrade pending" persists after upgrade deletion
CSCuz26006	No profile, VRF shown for two consecutive interface multi-edits
CSCuz26010	'Filter expression' results are only applied to the current page
CSCuz26011	Interface multi-editing: VRF shown as Mixed when None is set
CSCuz26014	Extra password prompt after password change when using Firefox
CSCuz27969	Foreign device briefly appears after changing switch name

CSCuz27973	Auto-created port channels rebuilt on monitored to managed transition
CSCuz27975	An auto-created port channel may indicate an invalid fault
CSCuz27976	Extra config not pushed on unreachable to reachable switch transition
CSCuz27978	New connections created if DHCP server and NFM coexist
CSCuz27981	MAC address is not saved during interface routed mode transitions
CSCuz27982	Switch foreign device disappears from the rack after being imported
CSCuz27983	Disabling and enabling gateway sets oper MTU to zero in certain conditions
CSCuz27988	Changes to existing LDAP configuration may sometimes be rejected
CSCuz27989	The fault "neighborMismatch" is flooded at times
CSCuz30047	Fault created for CLI error "lldp receive"
CSCuz44654	Upgrades sorting does not work on several fields.

Related Documentation

Related documentation for the Cisco Nexus Fabric Manager:

Cisco Nexus Fabric Manager

<http://www.cisco.com/c/en/us/support/cloud-systems-management/nexus-fabric-manager/tsd-products-support-series-home.html>

Cisco Nexus 9000 Series NX-OS Fundamentals Configuration Guide, Release 7.x

http://www.cisco.com/c/en/us/td/docs/switches/datacenter/nexus9000/sw/7-x/fundamentals/configuration/guide/b_Cisco_Nexus_9000_Series_NX-OS_Fundamentals_Configuration_Guide_7x.html

Cisco Nexus 9000 Series NX-OS Interfaces Configuration Guide, Release 7.x

http://www.cisco.com/c/en/us/td/docs/switches/datacenter/nexus9000/sw/7-x/interfaces/configuration/guide/b_Cisco_Nexus_9000_Series_NX-OS_Interfaces_Configuration_Guide_7x.html

Cisco Nexus 9000 Series NX-OS System Management Configuration Guide, Release 7.x

http://www.cisco.com/c/en/us/td/docs/switches/datacenter/nexus9000/sw/7-x/system_management/configuration/guide/b_Cisco_Nexus_9000_Series_NX-OS_System_Management_Configuration_Guide_7x.html

Cisco Nexus 9000 Series NX-OS VXLAN Configuration Guide, Release 7.x

http://www.cisco.com/c/en/us/td/docs/switches/datacenter/nexus9000/sw/7-x/vxlan/configuration/guide/b_Cisco_Nexus_9000_Series_NX-OS_VXLAN_Configuration_Guide_7x.html

Documentation Feedback

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

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