

Release Notes for Cisco NFV SD-Branch features in Cisco vManage Release 20.6.1, 20.6.3, and 20.6.6

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About Cisco NFV SD-Branch Support in Cisco Catalyst SD-WAN Manager



Note To achieve simplification and consistency, the Cisco SD-WAN solution has been rebranded as Cisco Catalyst SD-WAN. In addition, from Cisco IOS XE SD-WAN Release 17.12.1a and Cisco Catalyst SD-WAN Release 20.12.1, the following component changes are applicable: **Cisco vManage** to **Cisco Catalyst SD-WAN Manager**, **Cisco vAnalytics** to **Cisco Catalyst SD-WAN Analytics**, **Cisco vBond** to **Cisco Catalyst SD-WAN Validator**, and **Cisco vSmart** to **Cisco Catalyst SD-WAN Controller**. See the latest Release Notes for a comprehensive list of all the component brand name changes. While we transition to the new names, some inconsistencies might be present in the documentation set because of a phased approach to the user interface updates of the software product.

Cisco Network Function Virtualization Software-Defined Branch (NFV SD-Branch) features in Cisco SD-WAN Manager are a collection of capabilities that allow you to use Cisco SD-WAN Manager as a single centralized orchestrator to manage both the Cisco NFV hardware platforms powered by Cisco NFVIS hypervisor software and the virtualized network function (VNF) based network services that run as guest virtual machines (VMs). SD-Branch in Cisco SD-WAN Manager provides a three-step user experience of design, deploy and monitor that enables you to deploy networking services efficiently across all sites within your enterprise network infrastructure.

The Cisco SD-WAN Manager portal supports:

1. **Design** - A network architect can graphically create a parameterized network design template that captures the enterprise networking standards and best practices including WAN circuits and VNF service chains.
2. **Deploy** - A network operator can use the pre-defined network design templates to deploy and configure network devices and services in multiple locations in an automated and secure manner without making any design decisions.
3. **Monitor** - A network auditor can monitor and manage both the hardware platforms and the virtualized network services VMs that are running on them, without the fear of making accidental configuration changes.



Note Cisco NFV SD-Branch features in Cisco SD-WAN Manager are only supported for greenfield deployments of the ENCS 5400 Series and the C8200-uCPE platforms.

What's New

Feature	Description	Where Documented
Support for Making Day N Changes to Profiles Attached to a Device	This feature allows you to make changes to Network Design profiles even after they are attached to a device.	Support for Making Day N Changes to Profiles Attached to a Device
Support for Uploading Different VNF Image Packages	This feature allows you to register a VNF image by uploading separate VNF packages for image package, scaffold, and disk image.	Support for Uploading Different VNF Image Packages

Resolved and Open Bugs

About the Cisco Bug Search Tool

Use the [Cisco Bug Search Tool](#) to access open and resolved bugs for a release.

The tool allows you to search for a specific bug ID, or for all bugs specific to a product and a release.

You can filter the search results by last modified date, bug status (open, resolved), severity, rating, and support cases.

Resolved and Open Bugs for Cisco NFVIS SD-Branch Release 20.6.6

Resolved Bugs for Cisco NFVIS SD-Branch Release 20.6.6

Identifier	Headline
CSCwf34096	168 Cisco vEdge 5000 device inbuilt certificate expiring on 12th Nov 2023

Resolved and Open Bugs for Cisco NFVIS SD-Branch Release 20.6.2

Resolved Bugs for Cisco NFVIS SD-Branch Release 20.6.2

Bug ID	Description
CSCwa14085	SD-Branch Single IP: VM is shut after upgrade/reload VM. For upgrade, VM rollback after start manually.
CSCvy80230	Factory default reset failed

Open Bugs for Cisco NFVIS SD-Branch Release 20.6.2

Bug ID	Description
CSCwb40443	SD-Branch: fail to upgrade Cisco NFVIS from 4.5.1 to 4.6.2



Note There is no corresponding Cisco NFVIS Release for Cisco vManage Release 20.6.2 and hence there are no release notes captured.

Resolved and Open Bugs for Cisco NFVIS SD-Branch Release 20.6.1**Resolved Bugs for Cisco NFVIS SD-Branch Release 20.6.1**

Bug ID	Description
CSCvz60918	Device template push fail after ISRv comes up and online

Open Bugs for Cisco NFVIS SD-Branch Release 20.6.1

Bug ID	Description
CSCvx34319	Template push failed 2nd time through API - No resource found matching specified Deployment name
CSCvx61182	Template push failed 2nd time through API - No resource found matching specified Deployment name
CSCvx63081	Make segments editable in Cisco SD-Branch branch profile settings
CSCvx78437	wan-br control connection gone after adding route for wan2-br
CSCvy04138	DayN: new network added to vedgecloud with existing interface name eth0
CSCvy12418	DayN: AAA users password change not killing the existing logged in user
CSCvy32600	Cluster: Unable to Invalidate device certificate from standby vmanage throws warning
CSCvy39581	Topo-4 ND Template attach failed for nfvis-C8K
CSCvy80230	Factory default reset failed
CSCvz21439	Delete ND Branch, Circuit - Confirm popup and button control needed instead of Error
CSCvz29357	ND Services: Firewall service shows Router images to choose if both services edited
CSCvz34201	C8kv License Transport mode toggles at every DayN config Push
CSCvz41683	Cisco SD-Branch: NFVIS upgrade to 4.5.1 causes VM in REBOOTING/STARTING state and no system status output

Bug ID	Description
CSCvz41728	Cisco SD-Branch: Fail to upgrade NFVIS via "Remote Server - vManage" option in vManage
CSCvz28033	One of VM became error post upgrade and exception traceback observed
CSCwa14085	Cisco SD-Branch Single IP: VM is shut after upgrade/reload VM. For upgrade, VM rollback after start manually

Software Upgrade



Note NFVIS 4.1.1 release or later on ENCS 5400 devices are supported on Cisco SD-Branch solution.

For more details on the NFVIS software upgrade, see [Upgrade Cisco NFVIS](#).

For more details on vManage software upgrade, see [vManage Software Upgrade](#).

System Requirements

The following resources are required for a standalone Cisco Enterprise NFVIS:

- See [Cisco vManage requirements](#)
- 20 GB storage



Note More memory and disk space are required to be added to the system, depending on VM deployments.

Supported Programs and Platforms

Supported Platforms and Firmware

The following table lists the only supported platforms and firmware for Cisco ENFV

Platform	Firmware	Version
ENCS 5406, ENCS 5408, and ENCS 5412	BIOS	ENCS54_2.11
	CIMC	3.2(10.4)
	WAN Port Driver	1.4.22.7-10-ciscoesx
	LAN Port Driver	5.4.0-3-k CISCO

Platform	Firmware	Version
C8200-UCPE-1N8	BIOS	C8200-UCPE_1.04.103020201614
	Aikido FPGA	0x6F
	Logic FPGA	4.6.0
	MCU	240.52

Guest VNFs

For the supported VNFs that can be orchestrated through Cisco vManage, see the [Guest VNFs section in the NFVIS 4.6.1, 4.6.2 Release Notes](#).

Related Documentation

- [Cisco Network Function Virtualization Infrastructure Software Getting Started Guide](#)
- [Design and Deployment of Cisco NFVIS SD-Branch using Cisco SD-WAN Manager](#)
- [Cisco Enterprise Network Function Virtualization Infrastructure Software Configuration Guide, Release 4.x](#)
- [Release Notes for Cisco Enterprise Network Function Virtualization Infrastructure Software, Release Notes](#)
- [Cisco Catalyst 8200 Series Edge uCPE Data Sheet](#)
- [Cisco 5000 Enterprise Network Compute System Data Sheet](#)
- [Cisco Catalyst SD-WAN Configuration Guides](#)

