

Release Notes for Cisco NFV SD-Branch features in Cisco vManage Release 20.8.1

Last Modified: 2022-04-22

About Cisco NFV SD-Branch Support in Cisco vManage



Note The documentation set for this product strives to use bias-free language. For purposes of this documentation set, bias-free is defined as language that does not imply discrimination based on age, disability, gender, racial identity, ethnic identity, sexual orientation, socioeconomic status, and intersectionality. Exceptions may be present in the documentation due to language that is hardcoded in the user interfaces of the product software, language used based on standards documentation, or language that is used by a referenced third-party product.

Cisco Network Function Virtualization Software-Defined Branch (NFV SD-Branch) features in Cisco vManage are a collection of capabilities that allow you to use Cisco vManage 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 vManage 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 vManage 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 vManage are only supported for greenfield deployments of the ENCS 5400 Series and the C8200-uCPE platforms.

What's New

Feature	Description
Cisco NFVIS ISO Multi-Step Upgrade	This feature enables you to do a skip-version and multi-step upgrade of Cisco NFVIS using the .iso file.

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.

Open Bugs for NFVIS SD-Branch Release 4.8.1

Bug ID	Description
CSCwa90988	NFVIS vDaemon is Not OK after change Cisco vManage control connection protocol from DTLS to TLS
CSCwb11466	vBranch: "switch show vlan all" output does not show correct port(s) for native VLAN

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 Cisco vManage software upgrade, see [Cisco vManage Software Upgrade](#).

System Requirements

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

- For a system that has 16 or less CPU cores, one CPU core is reserved for NFVIS. For a system that has more than 16 CPU cores, 2 CPU cores are reserved for NFVIS.
- 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_3.04
	CIMC	3.2.(13.8)
	WAN Port Driver	5.4.0-5-k CISCO
	LAN Port Driver	1.4.22.7-11-ciscoesx
C8200-UCPE-1N8	BIOS	C8200-UCPE_1.04
	MCU	240.52

Guest VNFs

For the list of supported VNFs that can be orchestrated through Cisco vManage, see the Guest VNFs section of [Release Notes for Cisco Enterprise Network Function Virtualization Infrastructure Software, Release 4.8.1](#).

Related Documentation

- [Cisco Network Function Virtualization Infrastructure Software Getting Started Guide](#)
- [Design and Deployment of Cisco NFVIS SD-Branch using Cisco vManage](#)
- [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](#)
- [SD-WAN Configuration Guides](#)

