Release Notes for Cisco NFV SD-Branch features in Cisco vManage Release 20.9.x

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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**, **Cisco vSmart** to **Cisco Catalyst SD-WAN Controller**, and **Cisco Controllers** to **Cisco Catalyst SD-WAN Control Components**. 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
Schedule Software Upgrade Workflow	This feature introduces an option to schedule software upgrades for Cisco NFVIS devices.

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 20.9.5

Resolved Bugs for Cisco NFVIS SD-Branch Release 20.9.5

Identifier	Headline
CSCwh71493	Fail to get cert SN with message: TAM device is not ready, please try again (Image with BT support)
CSCwh46931	Cisco SD-Branch: Failed to create network design: Failed to update one or more device profiles

Resolved and Open Bugs for Cisco NFVIS SD-Branch Release 20.9.4

There are no defect fixes in the Cisco NFVIS SD-Branch Release 20.9.4.

Resolved and Open Bugs for Cisco NFVIS SD-Branch Release 20.9.3

There are no defect fixes in the Cisco NFVIS SD-Branch Release 20.9.3.

Resolved and Open Bugs for Cisco NFVIS SD-Branch Release 20.9.2

Closed Bugs for Cisco NFVIS SD-Branch Release 20.9.2

Identifier	Headline
CSCwc66537	Cisco NFVIS SD-Branch: After "factory-default-reset all", the hostname shows "factory-reset"

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:

- See Cisco SD-WAN Manager requirements
- 20 GB storage is required for Cisco NFVIS

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_3.06
	CIMC	3.2.(14.2)
	WAN Port Driver	5.4.0-5-k CISCO
	LAN Port Driver	1.4.22.7-11-ciscocsx
C8200-UCPE-1N8	BIOS	C8200-UCPE_1.04
	MCU	240.52

Compatibility Matrix for Cisco SD-WAN Controllers and Cisco NFVIS

For more information see, Compatibility Matrix for Cisco SD-WAN Controllers and Cisco NFVIS.

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 4.9.x.

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