# Release Notes for Cisco NFV SD-Branch features in Cisco Catalyst SD-WAN Manager Release 20.16.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

There are no new features released as part of Cisco NFV SD-Branch 20.16.1

# 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

### Resolved Bugs for NFV SD-Branch Release 20.16.1

There are no defect fixes in the Cisco NFVIS SD-Branch Release 20.16.1.

| Bug ID | Description |
|---|---|
| CSCwn02377 | vBranch ZTP fail due to BOARD-ID-NOT-INITIALISED after fresh install on ENCS-5400 and C8200-UCPE |
| CSCwm59123 | vBranch: NFVIS control connection loss due to dhcp client is not running after a while |
| CSCwm18046 | ENCS-5400 device CIMC silently reboot itself unexpectedly |
| CSCwn10660 | Import SDWAN CG fail due to Validation Errors data.advanced.tracker Not Defined In Schema Attributes |

### Open Bugs for NFV SD-Branch Release 20.16.1

There are no defect fixes in the Cisco NFVIS SD-Branch Release 20.16.1.

| Bug ID | Description |
|---|---|
| CSCwm09419 | vManage Monitor NFVIS device Health always shows DOWN with old NFVIS versions |

# 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 SD-WAN Manager software upgrade, see Cisco SD-WAN Manager 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_BIOS_4.00.SPA |
| | CIMC | CIMC_3.2.14.19.bin |
| | 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 |
| C8300-UCPE-1N20 | BIOS | C83uCPE_BIOS_1.05.SPA |
| | CIMC | CIMC_4.15.0.2R.bin |

## Guest VNFs

For the list of supported VNFs that can be orchestrated through Cisco SD-WAN Manager, see the Guest VNFs section of Release Notes for Cisco NFV SD-Branch features in Cisco Catalyst SD-WAN Manager Release 20.16.

## 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