

Release Notes for Cisco NFV SD-Branch features in Cisco Catalyst SD-WAN Manager Release 20.14.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 within Cisco SD-WAN Manager are only supported for greenfield deployments on the ENCS 5400 Series, C8200-uCPE, C8300-uCPE, and NFVIS-supported UCS-C platforms. Additionally, these platforms support SD-WAN and SD-Routing-based deployments.

What's New

Feature Name	Description
Manage Cisco Catalyst Edge Series uCPE 8200 using Cisco SD-WAN Manager	Onboard and manage the lifecycle of Cisco Catalyst Edge Series uCPE 8200 devices using Cisco SD-WAN Manager.
Manage Cisco ENCS devices using Cisco SD-WAN Manager	Onboard and manage the lifecycle of Cisco ENCS devices using Cisco SD-WAN Manager.

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 20.14.1

Bug ID	Description
CSCwj25285	Device tags not showing up when associate to configGroup
CSCwi98543	17.14: QuickConnect needs to show clear ERROR pop-up when duplicate system IP is set
CSCwj07483	After onboarding a Cisco NFVIS device, cpu stats are not showing up

Open Bugs for NFV SD-Branch Release 20.14.1

Bug ID	Description
CSCwj39210	Cisco Catalyst 8000V does not get QAT hardware crypto when scale up with 5 interfaces
CSCwj40313	Cisco Catalyst 8000V does not get QAT hardware crypto when scale up Cisco Catalyst 8000V with NGIO enabled

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_3.09
	CIMC	3.2.(14.17)
	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
	CIMC	CIMC 3.2 (14.17) bin
	MCU	240.52
C8300-UCPE-1N20	BIOS	C83uCPE_BIOS_1.03
	CIMC	CIMC 4.12.0.302R
	MCU	17.14

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 Enterprise Network Function Virtualization Infrastructure Software, Release 4.14.1](#).

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](#)

