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Release Notes for Cisco NFV SD-Branch, Release 20.18.1

Note: Rebranding: 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:

- **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.
- **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.
- **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.

New software features

Cisco is constantly enhancing the Cisco Enterprise Network Function Virtualization Infrastructure Software with every release, and we try and keep the content in line with the latest enhancements. The following table lists new and modified features we documented in the Configuration, Command Reference, and Hardware Installation guide.

What's new for Cisco NFV SD-Branch Release 20.18.1

There are no new features captured in this release.

Resolved issues

This table lists the resolved issues in this specific software release.

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Note: Note: This software release may contain bug fixes first introduced in other releases. To see additional information, click the bug ID to access the Cisco Bug Tool.

Resolved issues for 20.18.1

Table 1. Resolved issues for Cisco NFV SD-Branch 20.18.1

Bug ID	Description
CSCwq37637	vBranch workflows software upgrade download only fail due to Task Timeout has been reached

Resolved issues for 20.18.2

Table 2. Resolved issues for Cisco NFV SD-Branch 20.18.2

Bug ID	Description
CSCwo64906	NFVIS control connection flap
CSCwr42622	vBranch: ND template deployment fail due to NFVIS cannot handle resource update when VM in shutoff state

Resolved issues for 20.18.3

Table 3. Resolved issues for Cisco NFV SD-Branch 20.18.3

Bug ID	Description
CSCws91028	C8Kv VNF enters MONITOR_UNSET after editing the ND template (vCPU/memory/NIC changes).

Resolved issues for 20.18.4

There are no resolved defects captured in this release.

Open issues

This table lists the open issues in this specific software release.

This software release may contain open bugs first identified in other releases. To see additional information, click the bug ID to access the Cisco Bug Tool.

Open issues for 20.18.1

There are no open defects captured in this release.

Open issues for 20.18.2

There are no open defects captured in this release.

Open issues for 20.18.3

Table 4. Open issues for Cisco NFV SD-Branch 20.18.3

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Bug ID	Description
CSCwq92425	Support for is-vmanaged via NFVIS cli.

Open issues for 20.18.4

There are no open defects captured in this release.

Scalability

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 hardware

Supported platforms

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

Platform	Firmware	Minimum Supported 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

Supported software packages

This section provides information about the release packages associated with Cisco NFV SD-Branch.

NFVIS software upgrade image details

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.

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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 resources

User documentation

- Design and Deployment Guide of Cisco NFVIS SD-Branch using Cisco SD-WAN Manager
- Cisco Network Function Virtualization Infrastructure Software Getting Started Guide
- 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 SD-WAN Configuration Guides

Release and compatibility information

Support Matrix For Upgrading Cisco NFVIS

Hardware documentation

- Cisco Catalyst 8200 Series Edge uCPE Data Sheet
- Cisco Cloud Services Platform 5000 Series Data Sheet

Legal information

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