

Release Notes for Cisco NFV SD-Branch features in Cisco vManage Release 20.3.1

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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

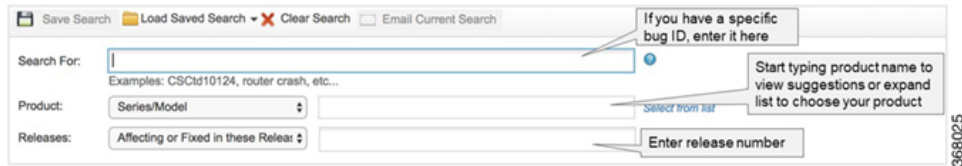
Feature	Description	Where Documented
CLI Add-On Feature Templates	You can use CLI add-on feature templates to attach specific CLI configurations to a device. CLI add-on feature templates must be used in conjunction with Network Design.	CLI Add-On Feature Templates

Open Bugs

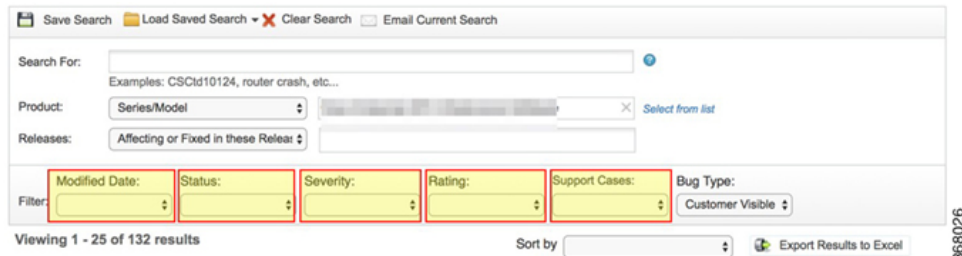
About the Cisco Bug Search Tool

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 4.2.1

Caveat ID Number	Description
CSCvt89334	Need to be able to add snmp config through add on cli without an additional prefix (nfvis-snmp:)
CSCvu51609	vManage cluster: Upgrade failure. Request timed out: Client timed out waiting request longer than 60s
CSCvu73826	ND Failed with device template: Failed to edit device template if add-on CLI empty
CSCvu79418	vManage cluster: ND template push fail at VNF Install due to "not having any siteID"

Caveat ID Number	Description
CSCvu89912	vnf image automatically downloaded to detached online device after device factory reset
CSCvu90084	ND Manage network Design locked for 11 minutes if network has reachability issue when push config
CSCvu94036	vManage: Client timed out waiting for request taking longer than 60s after save ND template
CSCvu97186	ND Network page shows incorrect Interface mapping on lan-br. Should always map to int-LAN.
CSCvv11610	Out of Sync - Device is online. Failed to attach configuration template : Failed to get SSH session
CSCvv25368	Network design branch site name can not be modified
CSCvv25502	ND branch sites:previous configured segment name not show up in branch site edit page
CSCvv29283	push config Error Message - internal error Error type (fdr performed while vdaemon is coming up)

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 vManage software upgrade, see [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_2.11
	CIMC	3.2(10.4)
	WAN Port Driver	1.4.22.7-10-ciscocsx
	LAN Port Driver	5.4.0-3-k CISCO

Guest VNFs

For the supported VNFs that can be orchestrated through Cisco vManage, see the [Guest VNFs section of NFVIS 4.2.1 Release Notes](#).

Related Documentation

- [Design and Deployment of Cisco NFVIS SD-Branch using Cisco vManage](#)
- [Cisco Enterprise Network Function Virtualization Infrastructure Software Configuration Guide, Release 4.x](#)
- [SD-WAN Configuration Guides](#)

