

Release Notes for Cisco SD-WAN Cloud OnRamp for Colocation Solution, Release 20.6.1

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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.

Find all the information you need about this release—new features, known behavior, resolved and open bugs, and related information.

New Features

This section lists the new and modified features that are supported on the Cisco SD-WAN Cloud OnRamp for Colocation solution.

• Support for High Bandwidth Service Chains: The colocation solution places the ingress and egress ports of a VNF on different interfaces to enable high bandwidth service chains of up to 10 Gbps.

Important Note

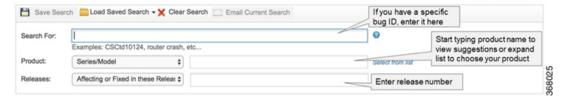
Deactivate cluster workflow is not supported: The workflow to deactivate a cluster and then subsequently activate the cluster is not supported through vManage. Therefore, it is recommended to delete and recreate the cluster, instead.

Resolved and Open Bugs

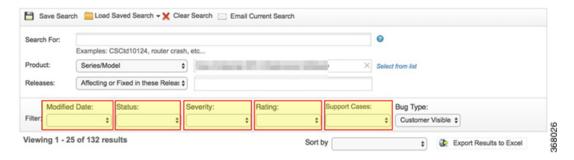
About the Cisco Bug Search Tool

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.



Bugs for Cisco SD-WAN Cloud OnRamp for Colocation Solution Release 20.6.1

This section details all fixed and open bugs for this release. These are available in the Cisco Bug Search Tool through the Resolved Bug Search.

Resolved Bugs for Cisco vManage

All resolved vManage bugs for this release are available in the Cisco Bug Search Tool through the Resolved Bug Search.

Bud ID	Description
CSCvw65312	In the monitoring screen, Real-Time pnic_stats on vManage UI doesnt show Tx packets.
CSCvt11875	Service chain does not get attached if service chain QoS bandwidth is greater than 5GBPS.
CSCvs66726	Cluster deactivate is not supported when cluster is stuck in init state.
CSCvx46586	In multi-cluster case, when one cluster CCM task is in-progress, VNF install fails on other cluster.
CSCvx70706	Adding a new servicew chain to an attached service group when no resources are available saves service chain although service chain isn't provisioned.
CSCvx72038	When NTP is incorrectly entered as 72.163.32, it causes traffic blackhole as VLAN configuration is rejected by switch.
CSCvp07407	PAFW Day-0 configuration should have unique UUID and if it is changed to a variable, vManage cannot generate value for that UUID causing template attach of service chain to fail.
CSCvx73461	vManage should not allow user to configure Backup Server Settings when cluster is inactive.

Bud ID	Description
CSCvx78457	Traffic fails when Cisco Catalyst 8000V is a single VNF chain and shared with another chain with firewall as the first VNF.
CSCvw59140	Add/Delete CSP with system ip conflict error followed by sync results in vManage time out.
CSCvx15189	vManage should mark multitenant cluster from Activate state to failure when template push fails.
CSCvx16732	Placement fails even if resources available with combination of SA and HA VNF's in the chain.
CSCvx46477	After vManage upgrade, bandwidth values for SRIOV PNICs are considered 10240 instead of 10000.
CSCvx64456	UI needs to validate RBAC username, not to have space in colocation cluster credentials page.
CSCvx78290	In vManage Monitor, the oubound VNIC of th first shared VNF shows other VLANs as well along with data VLANs.
CSCvx87818	In vManage Monitor > Network Functions, the last shared VNF that is deployed is not updated as shared VNF.
CSCvx89969	VNF Actions, START/STOP/ RESTART from the tenant page results in ERROR.
CSCvr59276	Attaching a shared service chain with only one VNF in the chain causes failure.
CSCvw31595	SG attach fails with Placement Failed Error - VM BW not met even though there are no SC's attached.
CSCvw70538	SG attach fails with error Failed to update configuration-Exception in interface xml {} null.
CSCvu81265	Allocated + Available is not equal to Total CPU/Memory in vManage UI.
CSCvr59276	Attaching Shared VNF as a single instance fails - java.lang.IndexOutOfBoundsException: Index: 1.
CSCvw51248	In multi-cluster case, when one cluster CCM task is in progress, VNF install fails on other cluster.
CSCvw86260	VNF stats shows empty for 1 hr data in network util/CPU util/Memory util/disk util.
CSCvw86269	ServiceChain Health Monitoring stats is empty for the last 1 hr data - "No data to Display".

Resolved Bugs for Device

All resolved device bugs for this release are available in the Cisco Bug Search Tool through the Resolved Bug Search.

Bud ID	Description
CSCvx83666	Traffic fails when service group attach in template push to CCM fails - "Exception in Interface xml {} null".
CSCvx90014	Reattach service chain before detach complete results in template push fail- "Flavor already exists ".
CSCvx78489	VNF is Alive but the VNF image is not validated due to length > 128, VNF Install detach/attach.
CSCvx86544	One VM is in error state after hostaction reboot.
CSCvx87971	CSP device upgrade showed Success on vManage UI even though device rolled back.
CSCvo66687	Attaching or detaching of service groups fails due to configuration database being locked by session.
CSCvo83560	The attaching or detaching service chain causes failure some times and vManage shows the error–Outstanding changes in database on CSP.
CSCvu92703	pkt capture on VM OVS VNIC is not working for VMs that are deployed in Cisco NFVIS 4.1.1, 4.2.1, and master.

Open Bugs for Cisco vManage

All open Cisco vManage bugs for this release are available in the Cisco Bug Search Tool through the Open Bug Search.

Bug ID	Description
CSCvz33123	Shared clouddock cluster activation shows FAILED after claiming its successful
CSCvx81784	If service-group is detached before VNF install completes configuration database is locked
CSCvy83790	CCM config rejection does NOT cause Cluster to be marked in "Failed" State
CSCvn25349	When trying to detach a service chain from cluster, if all steps are not completed by clicking complete and instead you go back to the browser, the detach option changes to attach option.
CSCvq30141	Editing and updating the description field of service group does not get saved.
CSCvq56847	Modifying a High Availability (HA) enabled service group to Non-HA service group returns an error and deletes all service chains in that Service Group.
CSCvw55666	Service group attach fails with error - "Error - Cannot create. Image already exists".
CSCvx81784	If service group is detached before VNF install completes, configuration database is locked.
CSCvx19565	VNF State shows green on vManage while VNF Install is still in progress and VNF is yet to be deployed.

Bug ID	Description
CSCvx85271	After upgrading CSPs, data collection is stuck at queued state for CSPs in Rediscover Network.

Open Bugs for Device

All open device bugs for this release are available in the Cisco Bug Search Tool through the Open Bug Search.

Bug ID	Description
CSCvy82053	No Proper error is displayed for RPC error reported on CCM "Colo-config-status" when switch rejects
CSCvy83871	Cat9k running config and CDB not in SYNC after RPC rejection due to limit of 63 vlans
CSCvz13151	End-End Ping fine but SCHM UNHEALTHY on MT cluster
CSCvt99640	Cluster activation failure due to management interface administratively down on Catalyst 9500-40X switch.
CSCvu69272	The service chain health monitoring fails on ~8 IPSEC terminated tunnels - eth105'. Failed to check data path health.
CSCvu69796	Cisco ASAv fails to boot up intermittently and is stuck.
CSCvw86346	NTP Clock doesn't sync causing certification install to fail on CSP.
CSCvx96852	After hostaction reboot , the VMs are stuck in rebooting state and multiple subsystems stopped on UCSC.

Software Requirements Matrix

Software Matrix

The following are the supported versions for Cisco Enterprise NFV Infrastructure Software, Cisco vManage, Cisco vBond Orchestrator, Cisco vSmart Controller, and Cisco Catalyst 9500 switches.

Software	Version
Cisco vManage	Cisco vManage Release 20.6.1.1
Cisco vBond Orchestrator	Cisco SD-WAN Release 20.6.1
Cisco vSmart Controller	Cisco SD-WAN Release 20.6.1
Cisco Enterprise NFV Infrastructure Software (NFVIS)	Release 4.6.1
Cisco Catalyst 9500-40X and Cisco Catalyst 9500-48Y4C	Release 17.3.1, 17.3.3

All release-specific information for Cisco vSmart Controllers, Cisco vBond Orchestrators, Cisco vManage is included in Cisco SD-WAN Release Notes.

The supported VNFs and Cisco PNFs in this solution are:



Note

You must procure license for the required VNFs. Alternatively, you can choose to bring your own Day-0 configuration and repackage the VNFs, if required.

Table 1: Validated Cisco VNFs

VNF	Version
Cisco CSR1000V	17.1.1, 17.2, 17.3.1a
Cisco Catalyst 8000V	17.4.1a, 17.5.1a
Cisco IOS XE SD-WAN Device	16.12.2r, 17.2.1r, 17.3.1a
Cisco ASAv	9.12.2, 9.13.1, 9.15.1
Cisco FTDv/NGFW	6.4.0.1, 6.5.0-115, 6.6.3
Cisco vEdge Cloud Router	19.2.1, 20.1.1, 20.3.1, 20.4.1, 20.5.1

Table 2: Validated Third-party VNFs

VNF	Version
Palo Alto Firewall (PAFW)	9.0.0
Fortinet Firewall	6.0.2
CheckPoint	R80.30, R80.40

Table 3: Validated Cisco PNFs

PNF	Version
Cisco FTD Model: FPR-9300	6.4.0.1, 6.5
Cisco ASR 1000 Series	17.1, 17.2, 17.3

Related Documentation

- Release Notes for Previous Releases
- Solution User Guides for Cisco SD-WAN Cloud OnRamp for Colocation

- Release Notes for Cisco Enterprise Network Function Virtualization Infrastructure Software
- Release Notes for Cisco SD-WAN Product Documentation
- Hardware Guides for Cisco Catalyst 9500 Series Switches
- Hardware Guide for Cisco Cloud Services Platform 5000
- Configuration Guides for Cisco Enterprise Network Function Virtualization Infrastructure Software
- Configuration Guides for Cisco Catalyst 9500 Switches
- Configuration Guides for Cisco Network Plug and Play Application
- Command Reference Guides for Cisco Enterprise Network Function Virtualization Infrastructure Software

