Release Notes for Cisco SD-WAN Cloud OnRamp for Colocation Solution, Release 20.8.1

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Related References

- Release Notes for Previous Releases

- Release Notes for Cisco Enterprise Network Function Virtualization Infrastructure Software

- Release Notes for Cisco SD-WAN Product Documentation

User Documentation

- Solution User Guides for Cisco SD-WAN Cloud OnRamp for Colocation

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New and Enhanced Features

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

- Support for SVL Port Configuration on 100G Interfaces: Starting from this release, you can configure a StackWise Virtual Link (SVL) port on 100G interfaces when creating a colocation cluster with two Cisco Catalyst 9500-48Y4C switches, thus ensuring a high level of performance and throughput. Earlier, you could configure an SVL port only on 10G interfaces of a Cisco Catalyst 9500-40X switch or 25G interfaces of a Cisco Catalyst 9500-48Y4C switch.

Software and Hardware Behavior Changes in Cisco SD-WAN Cloud onRamp for Colocation Solution, Release 20.8.1

Behavior Change	Description
Change in time-out behavior for template push to CCM.	In Cisco vManage Release 20.7.x and earlier releases, the Cisco Colo Manager (CCM) and CSP device configuration tasks time out 30 minutes after the tasks are created. In the case of long-running image installation operations, these configuration tasks may time out and fail, while the cluster activation state continues to be in a pending state.
	From Cisco vManage Release 20.8.1, the CCM and CSP device configuration tasks time out 30 minutes after the last heartbeat status message that Cisco vManage received from the target devices. With this change, long-running image installation operations do not cause configuration tasks to fail after a predefined interval of time after task creation.

Behavior Change	Description
Change in CCM workflow.	In Cisco vManage Release 20.7.x and earlier releases, Cisco Colo Manager (CCM) bring up and activation progress is reported as part of the CLOUD ONRAMP CCM task. This task shows the seven steps in the CCM bring up and activation sequence and indicates whether the sequence was successfully completed or not. The Push Feature Template Configuration task shows the status of the RBAC settings configuration push. From Cisco vManage Release 20.8.1, CLOUD ONRAMP CCM task is completed when Cisco vManage receives CCM Healthy from the target CSP device. The Push Feature Template Configuration task shows the seven steps in the CCM bring up and activation sequence and indicates whether the sequence was successfully completed or not, along with the status of the RBAC settings configuration push.

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.

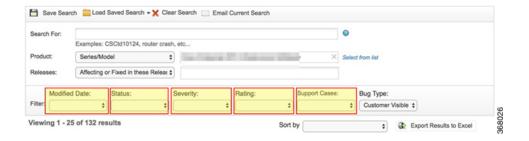## Resolved and Open Bugs

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 20.8.1

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
CSCvz03954	Cisco vManage clustering doesn't support CoRC
CSCvy67228	Cisco vManage UI: Need validate ipv4 for syslog server
CSCwa08881	Real Time "Resources CPU Info" showing more DPDK/VNF vcpus than actual
CSCwa37167	Edit after cloning SG throws error while saving and does not save all SCs
CSCwa39735	Clouddock cluster activation failure due to vManage sending CCM tasks to same CSP twice
CSCwa39835	Clouddock cluster activation failure due to Cisco vManage sending CCM tasks to both CSPs
CSCwa45185	C8000v upgrade from 17.6 to 17.7 failed as token gets reset with upgrade and control conn fails

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
CSCvu69272	Even if traffic is fine, SCHM is unhealthy with notification "Failed to check data path health."
CSCwa33164	VMs in rebooting state forever after rebooting CSP
CSCwa50085	Existing VM's in error state after detaching a service chain- Detach failed due to VM in Error.

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
CSCwb29925	Detach and attach of service chain during cntrl flap following by sync - Can't update SRIOV network
CSCwb38655	Delete CSP (with CCM) followed by Add CSP - MT Cluster failed - Infra Exception
CSCwb40158	Adding CSP after CCM hosting CSP for MT cluster is deleted, CCM is stuck in "Initializing State"
CSCwb27324	Cluster is marked active but service chain attach failed with exception
CSCwb61208	Cisco vManage Cluster-CCM is stuck in "Initializing" state after delete/add of CSP

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
CSCwb52673	C8000v Cisco SD-WAN devices flapping after Cisco vManage nodes delete/add
CSCwb28355	FDR fails to clean up some CSPs
CSCwb52640	CSPs unreachable after delete/add node on Cisco vManage cluster
CSCwb59771	CSP becomes unreachable during SG detach
CSCwb58569	CoRC: NFVIS pnic in down state causing some data traffic failure in MT cluster
CSCwb66356	MT cluster - SingleVNF shared chain egress interface ping fails randomly

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 20.8.1
Cisco vBond Orchestrator	Cisco SD-WAN Release 20.8.1
Cisco vSmart Controller	Cisco SD-WAN Release 20.8.1
Cisco Enterprise NFV Infrastructure Software (NFVIS)	Release 4.8.1

Software	Version
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, 17.6.1a, 17.7.1a
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, 9.17.1
Cisco FTDv/NGFW	6.4.0.1, 6.5.0-115, 6.6.3, 7.1.0-90
Cisco vEdge Cloud Router	19.2.1, 20.1.1, 20.3.1, 20.4.1, 20.5.1, 20.6.1, 20.7.1

Table 2: Validated Cisco PNFs

PNF	Version
Cisco ASR 1000 Series	17.1, 17.2, 17.3, 17.6.1, 17.7.1a

Related 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