Troubleshoot Cisco Catalyst SD-WAN Solution

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Support Articles

The documents in this section were created using specific software and hardware listed in the Components Used section of each article. However, this does not mean that they are limited to what is listed in Components Used, and generally remain relevant for later versions of software and hardware. Note that there could be some changes in the software or hardware that can cause commands to stop working, the syntax to change, or GUIs and CLIs to look different from one release to another.

Document	Description
Activate Debugs in vManage	This video provides the steps to activate debugs in SD-WAN Manager
Manual Certificate Renewal on SD-WAN Controller	This video provides the steps to get controllers certificates renewal.
Troubleshoot software image expansion failure due to lack of bootflash space	Describes how to verify that a device successfully expanded a software image file when changing from Autonomous mode to Controller mode. It indicates how to troubleshoot if the expansion was not successful.
Error message during software upgrade or setting default software version	This troubleshooting document describes scenarios in which error messages can occur during device software upgrade or when setting the default software version.

Cisco TAC articles

Document	Description
Cisco Catalyst SD-WAN Control Traffic Overhead User Guide	Describes how to calculate control traffic overhead on an SD-WAN overlay deployment.

Document	Description
Collect an Admin-Tech in SDWAN Environment and Upload to TAC Case	Describes how to initiate an `admin-tech` in a Cisco Catalyst SD-WAN environment.
Configure Basic Parameters to Form Control Connections on cEdge	Describes the basic configuration and correct commit order to onboard a cEdge to a Software-Defined Wide Area Network (SD-WAN) overlay.
Configure HSECK9 License on cEdge SD-WAN XE	Describes how to install and troubleshoot HSECK9 licenses on SD-WAN XE cEdges.
Configure SD-AVC on Cisco Catalyst SD-WAN	Describes how to configure Software Defined-Application Visibility and Control (SD-AVC) on a Software-Defined Wide Area Network (SD-WAN).
Configure Overlapping IP for Same VPN across Multiple Sites with Failure Scenarios	Describes the scenario of overlapping address spaces in the same VPN across multiple sites in the SD-WAN overlay.
Deploy a CSR1000v/C8000v on Google Cloud Platform	Describes the procedure to deploy and configure a Cisco Cloud Services Router 1000v (CSR1000v) and Catalyst 8000v (C800v) Edge Router on Google Cloud Platform (GCP).
How To Generate Self-Signed Web Certificate For Cisco Catalyst SD-WAN Manager	Describes how to generate and install a self-signed web certificate when the existing one is expired on an on-prem SD-WAN Manager. Cisco does not sign web certificates for such deployments, customers have to sign it by own Certificate Authority (CA) or some third-party CA.
HSEC License FAQs for Cisco Catalyst SD-WAN	Describes a few queries about the HSEC license for the autonomous and SD-WAN modes.
Modifying "Statistics Configuration > Collection Interval" in a vManage Cluster	Describes the process of modifying the **Statistics Configuration** > **Collection Interval** in a vManage cluster.
Quick Start Guide - Data Collection for Various Cisco Catalyst SD-WAN Issues	Describes several SD-WAN issues along relevant data that must be collected in advance before you open a TAC case to improve the speed of troubleshooting and/or problem resolution. This document is broken up into two main technical sections: SD-WAN Manager and edge routers. Relevant outputs and command syntax are provided dependent upon the device in question.
Recover Standalone vManage by Disaster Recovery	Describes the steps for restoring SD-WAN Manager using a configuration-db backup.

Document	Description
Replace a cEdge RMA Router	Describes how to replace a failed cEdge unit with another one. This consists of a copy of the configuration from the failed router to the replacement router, the removal of this cEdge, and the addition of the new router into the network. This process is similar to vEdge replacement however, the copy option is missed in Cisco SD-WAN Manager for cEdges.
Transfer Files between a cEdge and Cisco Catalyst SD-WAN Manager	Describes how to transfer files between a remote cEdge and a local Cisco SD-WAN Manager through CLI.
Transfer Files between a vEdge and Cisco Catalyst SD-WAN Manager	Describes how to transfer files between a remote vEdge and a local Cisco SD-WAN Manager through CLI.
Understand the Web Certificate For Cisco Catalyst SD-WAN Manager	Describes the difference between the Web Certificate and the Controller Certificates on the Cisco Catalyst SD-WAN solution. This document also explains in detail the Web Certificate and clarifies the use between these two types of certificates.
Upgrade Cisco Catalyst SD-WAN cEdge Router with the Use of CLI or Cisco Catalyst SD-WAN Manager	Describes the process to upgrade or downgrade an SD-WAN cEdge (Cisco Edge) router in Controller mode from the Command Line (CLI) and from Cisco SD-WAN Manager.
Verify APIs Used by vManage to Gather Statistics	Describes how to get a specific API call used by SD-WAN Manager to gather statistics from the overlay.
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Submit feedback for a support document

Procedure

Step 1 Provide feedback using the **Feedback** button located at the right panel of the corresponding article.

The document owner will be notified and will either update the article or flag it for removal.

Step 2 Include information regarding the section, area, or issue you had with the document and what could be improved.

Provide as much detail as possible to help the document owner understand and address your feedback.

After submitting feedback, the document owner will review your input and may update the article or flag it for removal based on your suggestions.

Disclaimer and caution

The information in this document was created from the devices in a specific lab environment. All of the devices used in this document started with a cleared (default) configuration. If your network is live, ensure that you understand the potential impact of any command.