

Add SD-WAN Controller and SD-WAN Validator Components

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Add SD-WAN Controller and SD-WAN Validator components feature history

Table 1: Feature history

Feature Name	Release Information	Description
Add Controller and Validator components workflow	Cisco Catalyst SD-WAN Control Components Release 20.18.1	The Add Controller and Validator Components workflow adds these Cisco SD-WAN Control Components to the SD-WAN fabric.

Add SD-WAN Controller and SD-WAN Validator components

The Control Components Certificate Management Workflow in Cisco SD-WAN Manager is a step-by-step interactive procedure (called a workflow) that adds either of these components to an SD-WAN fabric:

- SD-WAN Controller
- SD-WAN Validator

For details about certificate requirements for Cisco SD-WAN Control Components, see *Cisco Catalyst SD-WAN Control Components Certificates and Authorized Serial Number File Prescriptive Deployment Guide*.

Supported solutions for the Add SD-WAN Controller and SD-WAN Validator workflow

The workflow applies to the SD-WAN and SD-Routing solutions.

Supported environments for the Add SD-WAN Controller and SD-WAN Validator components workflow

The workflow is available in Cisco Catalyst SD-WAN environments in which you manage the SD-WAN Control Components.

Prerequisites for the Add SD-WAN Controller and SD-WAN Validator components workflow

Adding these Cisco SD-WAN Control Components requires:

- Management IP address for the SD-WAN Controller or SD-WAN Validator
- Credentials for the SD-WAN Manager that manages the network where you are adding the components
- Certificate file for certificate-based authentication within the Cisco Catalyst SD-WAN environment
- Ability to sign the certificate signing request (CSR) for the certificate

  For signing the certificate, you can choose Cisco-signed or enterprise-signed options.

Add SD-WAN Controllers or SD-WAN Validators using a workflow

Before you begin

See Prerequisites for the Add SD-WAN Controller and SD-WAN Validator components workflow, on page 2.

Procedure

Step 1 From the Cisco SD-WAN Manager menu, choose **Workflows** > **Workflow Library**.

Step 2 Launch the Add Controller and Validator Components workflow.

Step 3 Choose either **Controller** or **Validator**, and proceed according to the instructions in the workflow.

For the authentication certificate assigned to the new SD-WAN Control Component, you can do one of these:

- Handle certificate signing within the workflow:
  - Renewal type: Manual

    Choose the option to generate a certificate signing request (CSR). This facilitates getting the certificate signed and ready for use during the workflow. This option provides you with a CSR to download, to get the certificate signed. After getting the certificate signed, you upload the certificate within this workflow.
  - Renewal type: Automatic

    This option is available if two conditions are met:
    - **Administration** > **Settings** > **Certificate setttings** > **Control Components** set to **Cisco**, and
    - Smart Account credentials (**Administration** > **Settings** > **Smart Account Credentials**) are configured.
- Handle certificate signing later:

  You can leave the **Generate CSR…** option unselected, and get the certificate signed later. Until the certificate is signed, the new SD-WAN Control Component cannot establish control connections in the network.

The new component appears on the **Configuration** > **Certificates** > **Control Components** page.

What to do next

If you chose to handle certificate signing outside of the workflow, you can handle that using:

1. From the Cisco SD-WAN Manager menu, choose **Configuration** > **Certificates** > **Control Components**.
2. Adjacent to the new SD-WAN Control Component, click **...** > **Generate CSR**.