Install Manual Certificate for SD-WAN Controllers

Contents

Introduction

This document describes the procedure to sign Software Defined Wide Area Network (SD-WAN) certificates with manual option.

Prerequisites

Requirements

Cisco recommends that you have knowledge of these topics:

- Cisco Software-defined Wide Area Network (SD-WAN)
- Cisco SD-WAN vManage

Components Used

This document is based on this SD-WAN device and portal:

- vManage Controller
- Plug and Play Portal (PnP)

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.

Scope

- This procedure is used when vManage has no connectivity to the Internet.
- You can use this process to sign Certificate Signed Request (CSR) for new controllers or renew certificates.

Considerations

- The basic configuration is applied to the controllers
- Controllers have connectivity between them

If you need information about Controller Deployment, navigate to [Cisco SD-WAN Overlay Network Bring-Up Process](#).

Please visit [Certificate Management](#) if you are interested in other ways of controller SD-WAN certification.

Sign Certificate

Scenario 1. Certificate for New Controller

Step 1. Log in to vManage.

Step 2. Navigate to **Main Menu > Configuration > Devices > Controller > Add Controller**.

WAN Edge List   C

Q Search

Add Controller ⌄   Change Mode ⌄

| vBond |
| vSmart |

Selection for controller

Step 3. Fill in the controller information and check **Generate CSR** box as shown in this image.

Add vBond

vBond Management IP Address

192.168.50.149

Username

admin

Password

•••••

☑ Generate CSR

Cancel   Add

Controller Information

Step 4. Download CSR file from   Main Menu > Configuration > Certificates > Controllers > Three dots > View CSR.

CSR