



# Cisco Catalyst 8000V as a Cloud Gateway for a Fabric

- [Information About Cisco Catalyst 8000V as a Cloud Gateway for a Fabric, on page 1](#)
- [Use Cases for Cisco Catalyst 8000V as a Cloud Gateway for a Fabric, on page 2](#)
- [Prerequisites for Cisco Catalyst 8000V as a Cloud Gateway for a Fabric, on page 2](#)
- [Restrictions for Cisco Catalyst 8000V as a Cloud Gateway for a Fabric, on page 2](#)
- [Configure Cisco Catalyst 8000V as a Cloud Gateway for a Fabric, on page 2](#)

## Information About Cisco Catalyst 8000V as a Cloud Gateway for a Fabric

Table 1: Feature History

| Feature Name                                         | Release Information                                                                    | Description                                                                                                                                           |
|------------------------------------------------------|----------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| Cisco Catalyst 8000V as a Cloud Gateway for a Fabric | SD-WAN Portal: May 2023<br><br>Cisco Catalyst SD-WAN Control Components Release 20.6.1 | This feature lets you configure a Cisco Catalyst 8000V device as the cloud gateway for connecting a virtual private cloud with a private data center. |

The Cisco Catalyst 8000V serves as the cloud gateway for connecting a virtual private cloud (VPC) with a private data center.

You can configure a Cisco Catalyst 8000V device as a cloud gateway in the following ways, depending on your requirements:

- Create a new fabric and add a Cisco Catalyst 8000V device as the cloud gateway for each region in the fabric.
- Add a Cisco Catalyst 8000V device to each region in an existing fabric.
- Replace Cisco vEdge Cloud in an existing fabric with a Cisco Catalyst 8000V device.

## Use Cases for Cisco Catalyst 8000V as a Cloud Gateway for a Fabric

- Integrating your fabric with a TACACS or RADIUS server for authentication, authorization, and accounting (AAA) when the server resides in a private data center that you access through a VPN.
- Sending syslog information to a private data center that you access through a VPN.

## Prerequisites for Cisco Catalyst 8000V as a Cloud Gateway for a Fabric

- You must have a Cisco SD-WAN Manager administrator username and password.
- You must have a Cisco Smart Account administrator username and password.
- You must know the serial number of the Cisco Catalyst 8000V that you are adding to a fabric.

## Restrictions for Cisco Catalyst 8000V as a Cloud Gateway for a Fabric

- Support is limited to Cisco Hosted Catalyst SD-WAN environments.

## Configure Cisco Catalyst 8000V as a Cloud Gateway for a Fabric

### Before You Begin

Obtain the serial number of each Cisco Catalyst 8000V device that you are configuring. To do so, go to [Cisco Software Central](#) and click **Manage Devices** under **Network Plug and Play** in the **Smart Licensing** area.

### Configuration Procedures

The following table describes the procedures for configuring a Cisco Catalyst 8000V device as a cloud gateway in various scenarios. For each scenario, the table provides the general steps, and references to more detailed information. See the scenario that applies to your requirements.

| Scenario                                                                                                      | General Steps                                                                                                       | Reference                                                                                      |
|---------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|
| Create a new fabric and add a Cisco Catalyst 8000V device as the cloud gateway for each region in the fabric. | <b>Step 1:</b> In the Cisco Catalyst SD-WAN Portal, create a new fabric.                                            | See <a href="#">Create a Cisco Catalyst SD-WAN Cloud Hosted Fabric</a> .                       |
|                                                                                                               | <b>Step 2:</b> In the Cisco Catalyst SD-WAN Portal, configure a cloud gateway.                                      | See <a href="#">Configure a Cloud Gateway in the Cisco Catalyst SD-WAN Portal, on page 3</a> . |
| Add a Cisco Catalyst 8000V device to each region in an existing fabric.                                       | In the Cisco Catalyst SD-WAN Portal, configure a cloud gateway.                                                     | See <a href="#">Configure a Cloud Gateway in the Cisco Catalyst SD-WAN Portal, on page 3</a> . |
| Replace Cisco vEdge Cloud with a Cisco Catalyst 8000V device in an existing fabric.                           | <b>Step 1:</b> In the Cisco Catalyst SD-WAN Portal, configure a cloud gateway.                                      | See <a href="#">Configure a Cloud Gateway in the Cisco Catalyst SD-WAN Portal, on page 3</a> . |
|                                                                                                               | <b>Step 2:</b> (Optional) Open a support case with Cisco to request that the existing Cisco vEdge Cloud be removed. | See <a href="#">Open a Support Case for a Fabric Update, on page 5</a> .                       |

### Configure a Cloud Gateway in the Cisco Catalyst SD-WAN Portal

1. Log in to the Cisco Catalyst SD-WAN Portal with administrator credentials.
2. Click the fabric for which you want to configure a cloud gateway.
3. From the **Actions** drop-down menu, choose **Add Cloud Gateways**.
4. Configure the fields that the following table describes.



**Note** The Cisco Catalyst SD-WAN Portal does not save the usernames and passwords that you enter in these fields.

| Field                                  | Description                                             |
|----------------------------------------|---------------------------------------------------------|
| <b>vManage Admin Credentials</b>       |                                                         |
| <b>Username</b>                        | Enter your Cisco SD-WAN Manager administrator username. |
| <b>Password</b>                        | Enter your Cisco SD-WAN Manager administrator password. |
| <b>Smart Account Admin Credentials</b> |                                                         |
| <b>Username</b>                        | Enter your Cisco Smart Account administrator username.  |
| <b>Password</b>                        | Enter your Cisco Smart Account administrator password.  |

| Field                        | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Cloud Gateway Serials</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Serial</b>                | <p>The number of <b>Serial</b> fields that appear matches the number of regions in your fabric.</p> <p>In each field, enter the serial number of the Cisco 8000V to serve as a cloud gateway.</p> <p>Each serial number must be unique.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Custom IPs</b>            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>System IPs</b>            | <p>The number of <b>System IPs</b> fields that appear matches the number of regions in your fabric.</p> <p>(Optional) In each field, enter an IP address to configure a system interface for the cloud gateway that you are adding.</p> <p>A system interface IP address is a persistent address that identifies the device. It is similar to a router ID on a regular router, which is the address that is used to identify the router from which packets originated.</p> <p>Specify a system IP address as an IPv4 address in decimal four-part dotted notation. Specify just the address; the prefix length (/32) is implicit.</p> <p>A system IP address can be any IPv4 address except for 0.0.0.0/8, 127.0.0.0/8, and 224.0.0.0/4, and 240.0.0.0/4 and later.</p> <p>If you do not specify a system IP address, the Cisco Catalyst SD-WAN Portal assigns a system random IP address, which may be a duplicate of the IP address of another device.</p> <p>To ensure that a cloud gateway is provisioned without creating a conflict in the fabric, ensure that an IP address that you enter is unused in the existing fabric.</p> |

| Field                                   | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|-----------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Enable Webhook via Cloud Gateway</b> | <p>This option applies only to a Dedicated fabric for which AWS is the cloud provider.</p> <p>Check this check box to enable Cisco SD-WAN Manager to route webhook messages from CCisco SD-WAN Manager through a cloud gateway</p> <p>Enabling this option is useful when your webhook server is hosted in your private network and no internet traffic is forwarded to this server. When this option is enabled, a connection is provisioned between your SD-WAN fabric and your private network.</p> <p>After enabling this option, add an entry to the routing table on the Cisco SD-WAN Manager server to forward network traffic to the webhook server through the cloud gateway. For instructions, see the email that you receive after the cloud gateway is provisioned.</p> |

5. Click **Submit**.

#### Open a Support Case for a Fabric Update

To open a support case for a fabric update, go to Cisco [Support Case Manager](#), log in with your Cisco credentials, and click **Open New Case**.

