

# Logging Into Cisco Cloud Network Controller Through SSH

Normally, you will log into your Cisco Cloud Network Controller through a browser, as described in Configuring Cisco Cloud Network Controller Using the Setup Wizard. If you need to log into your Cisco Cloud Network Controller through SSH for any reason, however, the following sections describe how to log into the Cisco Cloud Network Controller using the SSH keys that you generated in the previous sections or using SSH password authentication.

- Connecting To Serial Console Through Google Cloud, on page 1
- Log Into Cisco Cloud Network Controller Using SSH Keys, on page 2
- Log Into Cisco Cloud Network Controller Using SSH Password Authentication, on page 3

### **Connecting To Serial Console Through Google Cloud**

You can connect to the serial console through Google Cloud by navigating here:

#### Virtual Machines > VM instances

In the VM instances page, click on the Instances tab and then click the instance for the Cisco Cloud Network Controller, then click on CONNECT TO SERIAL CONSOLE.

۲	Compute Engine	← pro-mo-mail	🖍 EDIT 🛛 🖑 RESET	CREATE MACHINE IMAGE	CREATE SIMILAR	STOP	SUSPEND	T DELETE	© OPERATIONS
Virtual	I machines	DETAILS OBSERVABILITY	OS INFO S	CREENSHOT					
A	VM instances								
	Instance templates	Connecting to serial ports is enabled							
日	Sole-tenant nodes	1							
圕	Machine images	Cloud Logging							
88	TPUs	Serial port 1 (console)							
1%1	Committed use discounts	- onon mone							
۹	Migrate for Compute Engi	Basic information							
		Name	And the second second						
Storag	e ^	Instance Id							
	Disks	Description	None						
		Туре	Instance						
0	Snapshots	Status	Running						
		Creation time	Feb 11, 2022, 11	:48:38 AM UTC-08:00					
[10]	Images	Zone	us-east4-c						
Inetan	ca (10)01	Instance template	None						
matan	ce gioupa	In use by	None						
品	Instance groups	Reservations	Automatically cl	noose (default)					
		Labels	goog-dm : gcpc	apic					
Ô	Health checks	Deletion protection	Disabled						
		Confidential VM service 😧	Disabled						
V IVI IVI	anager	Preserved state size	0 GB						
<i>~</i> •	· · · · · ·								
1	Marketplace	Machine configuration							
(P)	Release Notes	Machine type	n2-standard-16						
		ODU - Lufe	Intel On and a late						



Connecting to serial console is the only operation that is allowed in this Google Cloud page. For example, attempting to SSH into Cisco Cloud Network Controller through this page in Google Cloud is not permitted. You can SSH into Cisco Cloud Network Controller through the other methods described in Logging Into Cisco Cloud Network Controller Through SSH, on page 1.

### Log Into Cisco Cloud Network Controller Using SSH Keys

- **Step 1** Log into your Google Cloud account for the Cisco Cloud Network Controller infra tenant.
- Step 2 Locate the IP address for your Cisco Cloud Network Controller.

The management IP address shown at the end of the output from the Deployment Manager in Deploying the Cisco Cloud Network Controller in Google Cloud.

You can also locate the IP address for your Cisco Cloud Network Controller by navigating to **Compute Engine** > **VM instances**. The IP address shown in the **External IP** column is the IP address for your Cisco Cloud Network Controller.

**Step 3** For Linux systems, enter the following to log into your Cisco Cloud Network Controller using the SSH keys.

```
# ssh -i ~/.ssh/cnc-ssh-key admin@public-IP-address
```

For example:

# ssh -i ~/.ssh/cnc-ssh-key admin@192.0.2.1

See Generating an SSH Key Pair in Linux or MacOS for more information on the location and format of the public key file.

## Log Into Cisco Cloud Network Controller Using SSH Password Authentication

Unlike SSH using a public key, SSH Password Authentication is disabled by default. Use these procedures to enable SSH Password Authentication so that you can SSH into your Cisco Cloud Network Controller with a username and password.

**Step 1** Open a browser window and, using the secure version of HTTP (https://), paste the IP address into the URL field, then press Return to access this Cisco Cloud Network Controller.

```
For example, https://192.0.2.1.
```

- **Step 2** Enter the following information in the login page for the Cisco Cloud Network Controller:
  - Username: Enter admin for this field.
  - Password: Enter the password that you provided to log into the Cisco Cloud Network Controller.
  - Domain: If you see the Domain field, leave the default Domain entry as-is.
- **Step 3** Click **Login** at the bottom of the page.
- **Step 4** Navigate to **Infrastructure > System Configuration**, then click the **Management Access** tab in the **System Configuration** page.
- **Step 5** Click the pencil icon in the upper right corner of the screen to edit the SSH settings.

The Settings page appears for SSH.

**Step 6** In the Password Authentication State field, select Enabled.

SSH Settings	×
Settings	
Admin State	
Carabled	
Password Authentication State	
Enabled	
Port	
22	
SSH Ciphers	
🗹 aes128-ctr 🗹 aes192-ctr 🗹 aes256-ctr	
SSH MACs	
🗹 hmac-sha1 🗹 hmac-sha2-256 🗹 hmac-sha2-512	
	Cancel Save

Step 7 Click Save.

You can now SSH into your Cisco Cloud Network Controller without having to access the public and private key files: # ssh admin@192.0.2.1