



Overview

- [Policy Terminology, on page 1](#)
- [Cisco Cloud Network Controller Licensing, on page 1](#)
- [Cisco Cloud Network Controller-Related Documentation, on page 2](#)

Policy Terminology

A key feature of Cisco Cloud Network Controller is translation of Cisco Application Centric Infrastructure (ACI) policy to the native constructs of the public cloud.

The following table lists Cisco ACI policy terms and the equivalent terms in Google Cloud.

Cisco ACI	Google Cloud
Tenant	Project
Virtual Routing and Forwarding (VRF)	VPC (virtual private cloud)
BD subnet	Subnet
Contract, filter	Firewall rules
EP-to-EPG mapping	Routing and firewall rules
Endpoint	Network adapter on VM instances

Cisco Cloud Network Controller Licensing

This section lists the licensing requirements to use Cisco Cloud Application Policy Infrastructure Controller (Cisco Cloud Network Controller).

Cisco Cloud Network Controller

Cisco licenses Cisco Cloud Network Controller by each virtual machine (VM) instance that it manages. The Cisco Cloud Network Controller binary images are available on the Google Cloud portal and support the Bring Your Own License (BYOL) model.

The Essential Cloud tier includes licenses for a single policy domain or a single instance of Cisco Cloud Network Controller on a public cloud. If you deploy multiple instances of Cisco Cloud Network Controller, buy an Advantage Cloud license for each VM instance that Cisco Cloud Network Controller manages.

For licensing details, see the [Cisco Application Centric Infrastructure Ordering Guide](#).

In addition to obtaining one or more Cisco Cloud Network Controller licenses, you must register your Cisco Cloud Network Controller with Cisco Smart Software Licensing.

Cisco Smart Licensing is a unified license management system that manages software licenses across Cisco products. To learn more about Smart Software Licensing, visit <https://www.cisco.com/go/smartlicensing>.

Complete the following steps to register Cisco Cloud Network Controller:

1. Ensure that this product has access to the internet or a Smart Software Manager satellite that is installed on your network.
2. Log in to Smart Account:
 - a. Smart Software Manager: <https://software.cisco.com/>
 - b. Smart Software Manager Satellite:
<https://www.cisco.com/c/en/us/buy/smart-accounts/software-manager-satellite.html>
3. Navigate to the Virtual Account containing the licenses to be used by this Product Instance.
4. Generate a Product Instance Registration Token (this identifies your Smart Account) and copy or save it.

Cisco Catalyst 8000V

The Cisco Catalyst 8000V supports subscription-based licensing.

- For instructions on subscribing to one of the tier-based Cisco Catalyst 8000V licenses, see [Cisco Catalyst 8000V Edge Software](#).
- For more information on different throughputs based on the tiers, see [Resources Used for Cisco Cloud Network Controller Deployment in Google Cloud](#).

Cisco Cloud Network Controller makes use of the “Cisco DNA Advantage” subscription. For features supported by the “Cisco DNA Advantage” subscription, see [Cisco DNA Software SD-WAN and Routing Matrices](#).

Cisco Cloud Network Controller-Related Documentation

You can find information about Cisco Cloud Network Controller and Google Cloud from different resources.

Cisco Cloud Network Controller Documentation

You can find documentation for Cisco Cloud Network Controller Cisco.com:

[Cisco Cloud Network Controller documentation library](#)

Google Cloud Documentation

You can find documentation, including user guides, FAQs, case studies, and white papers, on the Google Cloud website.