



# Cisco Cloud Application Policy Infrastructure Controller Release Notes, Release 4.2(7)

## Introduction

If you have a private cloud, you might run part of your workload on a public cloud. However, migrating workload to the public cloud requires working with a different cloud provider interface and learning different ways to set up connectivity and define security policies. Meeting these challenges can result in increased operational cost and loss of consistency. Cisco Cloud Application Policy Infrastructure Controller (APIC) can be used to solve these problems by extending Cisco Application Centric Infrastructure (ACI) Multi-Site fabric to Amazon Web Services (AWS) or Microsoft Azure public clouds. You can also mix AWS and Azure in your deployment.

This document describes the features, issues, and limitations for the Cisco Cloud APIC software. For the features, issues, and limitations for the Cisco APIC, see the [Cisco Application Policy Infrastructure Controller Release Notes, Release 4.2\(7\)](#). For the features, issues, and limitations for the [Cisco ACI Multi-Site Orchestrator, see the Cisco ACI Multi-Site Orchestrator Release Notes, Release 2.2\(4\)](#).

For more information about this product, see "Related Content."

Note: The documentation set for this product strives to use bias-free language. For the purposes of this documentation set, bias-free is defined as language that does not imply discrimination based on age, disability, gender, racial identity, ethnic identity, sexual orientation, socioeconomic status, and intersectionality. Exceptions may be present in the documentation due to language that is hardcoded in the user interfaces of the product software, language used based on RFP documentation, or language that is used by a referenced third-party product.

Date	Description
March 16, 2021	Release 4.2(7f) became available.

## New Software Features

There are no new software features in this release.

## Changes in Behavior

There are no changes in behavior in this release.

## Open Issues

Click the bug ID to access the Bug Search tool and see additional information about the bug. The "Exists In" column of the table specifies the 4.2(7) releases in which the bug exists. A bug might also exist in releases other than the 4.2(7) releases.

Bug ID	Description	Exists in
<a href="#">CSCvo30542</a>	TACACS monitoring of the destination group is not supported through the GUI.	4.2(7f) and later
<a href="#">CSCvo93761</a>	Changing an ExtEPG subnet prefix's mark from A to B will end up messing up BGP's prefixes in the CSR and will cause traffic loss.	4.2(7f) and later
<a href="#">CSCvp12535</a>	With a larger number of Cloud APIC tenant EPGs and if the VRF configuration is pushed through the API in a single transaction, sometimes duplicate AWS resources are created.	4.2(7f) and later

Bug ID	Description	Exists in
<a href="#">CSCvp71964</a>	Cannot access the serial console of the CSR virtual machine in Azure.	4.2(7f) and later
<a href="#">CSCvp92803</a>	AWS EC2 or Azure virtual machines have been assigned secondary IP addresses, but are unreachable from other cloud sites.	4.2(7f) and later
<a href="#">CSCvp99474</a>	No NSG is assigned when the cloud endpoint should be classified in the EPG.	4.2(7f) and later
<a href="#">CSCvq73867</a>	A network interface in a Cloud APIC managed region in AWS or Azure matches the EP Selector in a cloud EPG, but the Security Group of that cloud EPG does not get attached to the network interface. Instead, the Security Group of another cloud EPG gets attached to the network interface.	4.2(7f) and later
<a href="#">CSCvq87116</a>	A network interface in a Cloud APIC-managed AWS region matches the endpoint selector in a cloud EPG, but the security group for the cloud EPG does not get attached to the network interface.	4.2(7f) and later
<a href="#">CSCvr03104</a>	If you try to deploy Cloud APIC to an unsupported region, then the Azure portal will allow you to select the region and will fail during deployment.	4.2(7f) and later
<a href="#">CSCvr48636</a>	BGP Peer States on the Cloud APIC dashboard will show the peer states as "up" even while the actual BGP sessions are down, and control or data plane traffic is dropped.	4.2(7f) and later
<a href="#">CSCvs07094</a>	A blank summary pane is shown after clicking on a filter name.	4.2(7f) and later
<a href="#">CSCvs20068</a>	Selected filters are not added to the contract after saving.	4.2(7f) and later

## Resolved Issues

Click the bug ID to access the Bug Search tool and see additional information about the bug. The "Fixed In" column of the table specifies whether the bug was resolved in the base release or a patch release.

Bug ID	Description	Exists in
N/A	There are no resolved issues in this release.	N/A

## Known Issues

Click the bug ID to access the Bug Search tool and see additional information about the bug. The "Exists In" column of the table specifies the 4.2(7) releases in which the bug exists. A bug might also exist in releases other than the 4.2(7) releases.

Bug ID	Description	Exists in
<a href="#">CSCvo06626</a>	When a cloudExtEpg matches on a 0/0 network and has a bi-directional contract with two cloud EPGs, such as cloudEpg1 and CloudEpg2, this can result in inadvertent communication between endpoints in cloudEpg1 and cloudEpg2 without a contract between the two EPGs themselves.	4.2(7f) and later

Bug ID	Description	Exists in
<a href="#">CSCvo55112</a>	Logs are lost upon stopping the Cloud APIC instance.	4.2(7f) and later
<a href="#">CSCvo95998</a>	There is traffic loss after a Cloud APIC upgrade. Traffic will eventually converge, but this could take a few minutes.	4.2(7f) and later
<a href="#">CSCvq11780</a>	Creating VPN connections fail with the "invalidCidr" error in AWS or the "More than one connection having the same BGP setting is not allowed" error in Azure.	4.2(7f) and later
<a href="#">CSCvq76039</a>	When a fault is raised in the Cloud APIC, the fault message will be truncated and will not include the entire cloud message description.	4.2(7f) and later
<a href="#">CSCvr01341</a>	REST API access to the Cloud APIC becomes delayed after deleting a tenant with scaled EPGs and endpoints. The client needs to retry after receiving the error.	4.2(7f) and later

## Compatibility Information

This section lists the compatibility information for the Cisco Cloud APIC software. In addition to the information in this section, see the [Cisco Application Policy Infrastructure Controller Release Notes, Release 4.2\(7\)](#) and [Cisco ACI Multi-Site Orchestrator, see the Cisco ACI Multi-Site Orchestrator Release Notes, Release 2.2\(4\)](#) for compatibility information for those products.

- Cloud APIC release 4.2(7) supports the following Cisco ACI product releases:
  - Cisco ACI Multi-Site Orchestrator, release 2.2(4)
  - Cisco APIC, release 4.2(7)
  - Cisco NX-OS for ACI-mode switches, release 14.2(7)
- Cloud APIC does not support IPv6.
- AWS does not support using iBGP between a virtual gateway and a customer gateway.
- Cloud APIC supports the following AWS regions:
  - Asia Pacific (Mumbai)
  - Asia Pacific (Osaka- Local)
  - Asia Pacific (Seoul)
  - Asia Pacific (Singapore)
  - Asia Pacific (Sydney)
  - Asia Pacific (Tokyo)
  - AWS GovCloud (US-Gov-West)
  - Canada (Central)
  - EU (Frankfurt)
  - EU (Ireland)
  - EU (London)

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- South America (São Paulo)
  - US East (N. Virginia)
  - US East (Ohio)
  - US West (N. California)
  - US West (Oregon)
  - Cloud APIC supports the following Azure regions:
    - Australiacentral
    - Australiacentral2
    - Australiaeast
    - Australiasoutheast
    - Brazilsouth
    - Canadacentral
    - Canadaeast
    - Centralindia
    - Centralus
    - Eastasia
    - Eastus
    - Eastus2
    - Francecentral
    - Japaneast
    - Japanwest
    - Koreacentral
    - Koreasouth
    - Northcentralus
    - Northeurope
    - Southcentralus
    - Southeastasia
    - Southindia
    - Uksouth
    - Ukwest
    - Westcentralus
    - Westeurope

- Westindia
- Westus
- Westus2
- Cloud APIC supports the following Azure Government cloud regions:
  - US DoD Central
  - US DoD East
  - US Gov Arizona
  - US Gov Texas
  - US Gov Virginia

## Related Content

See the [Cisco Cloud Application Policy Infrastructure Controller](#) page for the documentation.

See the [Cisco Application Policy Infrastructure Controller \(APIC\)](#) page for the verified scalability, Cisco Application Policy Infrastructure Controller (APIC), and Cisco ACI Multi-Site Orchestrator (MSO) documentation.

The documentation includes installation, upgrade, configuration, programming, and troubleshooting guides, technical references, release notes, and knowledge base (KB) articles, as well as other documentation. KB articles provide information about a specific use case or a specific topic.

By using the "Choose a topic" and "Choose a document type" fields of the APIC documentation website, you can narrow down the displayed documentation list to make it easier to find the desired document.

## Documentation Feedback

To provide technical feedback on this document, or to report an error or omission, send your comments to [apic-docfeedback@cisco.com](mailto:apic-docfeedback@cisco.com). We appreciate your feedback.

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