



Cisco Cloud APIC Verified Scalability Guide, Release 25.0(3)

[Overview](#) 2

[Scalability Limits](#) 2

[Trademarks](#) 4

Revised: February 26, 2024,

Overview

This guide contains the maximum verified scalability limits for Cisco Cloud APIC, Release 25.0(3):

These values are based on a profile where each feature was scaled to the numbers specified in the tables. These numbers do not represent the theoretically possible Cisco Cloud ACI scale.



Note For Cisco APIC verified scalability limits, visit: https://www.cisco.com/c/en/us/support/cloud-systems-management/application-policy-infrastructure-controller-apic/tsd-products-support-series-home.html#Verified_Scalability_Guides.
For Cisco Nexus Dashboard Orchestrator verified scalability limits, visit <https://www.cisco.com/c/en/us/support/cloud-systems-management/multi-site-orchestrator/products-device-support-tables-list.html>.

Scalability Limits

This section contains scalability numbers for Cisco ACI cloud deployments. The scalability limits differ based on whether it's a single cloud site or a multi-cloud deployment.

Single Cloud Site

This section contains scalability numbers for a single cloud site deployment.

Table 1: Single AWS Cloud Site

Configurable Options	Scale
Number of Tenants	20
Number of Application Profiles	500
Number of EPGs	500
Number of cloud Endpoints	1000
Number of VRFs	20
Cloud Context Profiles	40
Number of Contracts	1000
Number of L4-L7 Service Graphs	200
Number of L4-L7 Services Devices (AWS ALB)	100
Number of Policy Rules	70,000

Configurable Options	Scale
Number of Regions	16 <ul style="list-style-type: none"> • Of the 16, only 4 regions can be external connectivity • All 16 regions can be used for workload deployment.
Number of CSRs per Region	4
Number of CSRs per Site	16
Number of hub networks for Transit Gateway (TGW)	2
Number of Transit Gateways per hub network	2
Number of restricted domains (security domain with restricted role)	32

Table 2: Single Azure Cloud Site

Configurable Options	Scale
Number of Tenants	20
Number of Application Profiles	2000
Number of EPGs	2000
Number of cloud Endpoints	3500
Number of VRFs	60
Cloud Context Profiles	100
Number of Contracts	1000
Number of L4-L7 Service Graphs	200
Number of L4-L7 Services Devices	100
Number of Policy Rules	125,000
Number of Regions	16 <ul style="list-style-type: none"> • Of the 16, only 4 regions can be external connectivity • All 16 regions can be used for workload deployment.
Number of CSRs per Region	8
Number of CSRs per Site	32
Number of restricted domains (security domain with restricted role)	32

Multi-Cloud Deployments

This section contains scalability numbers for multi-cloud deployments. The same scale numbers apply to each cloud site (AWS or Azure) with intersite connectivity provided by the Cisco Nexus Dashboard Orchestrator. Total number of stretched and non-stretched objects must not exceed the maximum verified scalability limit for that object.

Table 3: Multi-Cloud Deployments

Configurable Options	Scale
Number of cloud sites	2
Number of managed regions per site	4
Number of CSRs per site	4
Number of CSRs per region	2
Number of Tenants	5
Number of EPGs	250
Number of cloud endpoints	500
Number of VRFs	10
Cloud Context Profiles (VPC/VNET)	40
Number of Contracts	200

Trademarks

THE SPECIFICATIONS AND INFORMATION REGARDING THE PRODUCTS REFERENCED IN THIS DOCUMENTATION ARE SUBJECT TO CHANGE WITHOUT NOTICE. EXCEPT AS MAY OTHERWISE BE AGREED BY CISCO IN WRITING, ALL STATEMENTS, INFORMATION, AND RECOMMENDATIONS IN THIS DOCUMENTATION ARE PRESENTED WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED.

The Cisco End User License Agreement and any supplemental license terms govern your use of any Cisco software, including this product documentation, and are located at: <http://www.cisco.com/go/softwareterms>. Cisco product warranty information is available at <http://www.cisco.com/go/warranty>. US Federal Communications Commission Notices are found here <http://www.cisco.com/c/en/us/products/us-fcc-notice.html>.

IN NO EVENT SHALL CISCO OR ITS SUPPLIERS BE LIABLE FOR ANY INDIRECT, SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES, INCLUDING, WITHOUT LIMITATION, LOST PROFITS OR LOSS OR DAMAGE TO DATA ARISING OUT OF THE USE OR INABILITY TO USE THIS MANUAL, EVEN IF CISCO OR ITS SUPPLIERS HAVE BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

Any products and features described herein as in development or available at a future date remain in varying stages of development and will be offered on a when-and-if-available basis. Any such product or feature roadmaps are subject to change at the sole discretion of Cisco and Cisco will have no liability for delay in the delivery or failure to deliver any products or feature roadmap items that may be set forth in this document.

Any Internet Protocol (IP) addresses and phone numbers used in this document are not intended to be actual addresses and phone numbers. Any examples, command display output, network topology diagrams, and other figures included in the document are shown for illustrative purposes only. Any use of actual IP addresses or phone numbers in illustrative content is unintentional and coincidental.

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.

Cisco and the Cisco logo are trademarks or registered trademarks of Cisco and/or its affiliates in the U.S. and other countries. To view a list of Cisco trademarks, go to this URL: [www.cisco.com go trademarks](http://www.cisco.com/go/trademarks). Third-party trademarks mentioned are the property of their respective owners. The use of the word partner does not imply a partnership relationship between Cisco and any other company. (1721R)



Americas Headquarters
Cisco Systems, Inc.
San Jose, CA 95134-1706
USA

Asia Pacific Headquarters
CiscoSystems(USA)Pte.Ltd.
Singapore

Europe Headquarters
CiscoSystemsInternationalBV
Amsterdam,TheNetherlands

Cisco has more than 200 offices worldwide. Addresses, phone numbers, and fax numbers are listed on the Cisco Website at www.cisco.com/go/offices.