



DEFENSE INFORMATION SYSTEMS AGENCY
The IT Combat Support Agency



Secure Cloud Computing Architecture

A suite of enterprise-level cloud security and management services, SCCA provides a standard approach for boundary and application level security for Impact Level four and five data hosted in commercial cloud environments

SCCA Features

- **Cloud Access Points:** provides connectivity to approved cloud providers and protects DoD networks from cloud originated attacks.
- **Virtual Data Center Security Stack:** virtual network enclave security to protect applications and data in commercial cloud offerings.
- **Virtual Data Center Managed Services:** hosts security and privileged user access.

DISA's enterprise offering includes DoD mandated security services, which protect applications and data hosted in the cloud.

Cloud Access Points and Security Features

- DISA developed and deployed enterprise cloud access points connect mission partners to approved on and off premises Impact Level 4/5 commercial clouds.

Changes Forthcoming

Incremental implementation of third-generation cloud access points

- Collocated at commercial meet-me locations
- Scale up to 100Gb; four total locations
- Existing Pentagon and Camp Roberts locations decommissioned

The internal CAP protects and separates the DoD networks from any milCloud hosted elements.

100Gb

Four boundary cloud access points: co-located at commercial meet-me points to maximize performance and scalability

10Gb

Two internal cloud access points located at DISA data centers protects DoD networks from on premises hosted commercial clouds

Cloud Access Point Off-premise connections available:

- Amazon Web Services GovCloud Infrastructure as a Service IL4/IL5
- Microsoft Azure IaaS/Platform as a Service IL 4/5
- Microsoft O365 DoD Software as a Service IL5
- IBM SmartCloud IaaS IL4
- Oracle Service Cloud SaaS IL4
- SAP National Security Services Service SaaS IL4
- PTC Cloud Services SaaS IL5
- AF-CONITUSDA-NITC
- Project Host Federal Private Cloud SaaS/PaaS IL5
- Salesforce GovCloud SaaS IL4
- Cisco HCS-D SaaS/PaaS IL5
- Box ECCP SaaS IL4
- Service Now GCC SaaS IL4
- Consistently adding new Cloud Service Providers and Cloud Service Offerings

Cloud Access Point On-premise connections available:

- milCloud 2.0 IaaS IL5 (DoD Only)



Accuracy Threats

422,838
Total threats blocked/month

69,100
Brute force access attempts/month

99.96%
Boundary CAP Uptime /12 month period