DEFENSE INFORMATION SYSTEMS AGENCY
The IT Combat Support Agency

Secure Cloud Computing Architecture (SCCA)

Program Overview

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Vendors named within are approved or under contract to provide specified services to DISA or DOD

Service Overview: Why SCCA?

- **SCCA connects the DoD to Infrastructure and Software as a Service off and on premise commercial cloud environments at impact level 4/5**
- **The portfolio includes four services: boundary, application, and management level security capabilities**
  - **Onboarding and service requirements: https://disa.deps.mil/ORG/SD/SD8/SCCA/MissionPartners**

AWS GovCloud

Microsoft Azure & O365

USDA Cloud

milCloud 2.0

IBM

SalesForce

Oracle Cloud

- **Cloud Access Points:** Provides connectivity to approved cloud providers, and protects the DISN from cloud originated attacks
- **Virtual Data Center Security Stack:** Virtual Network Enclave Security to protect applications and data
- **Virtual Data Center Managed Services:** Application host security, patching, configuration, and management.
- **Trusted Cloud Credential Manager:** Enforce role based access control and least privileged access

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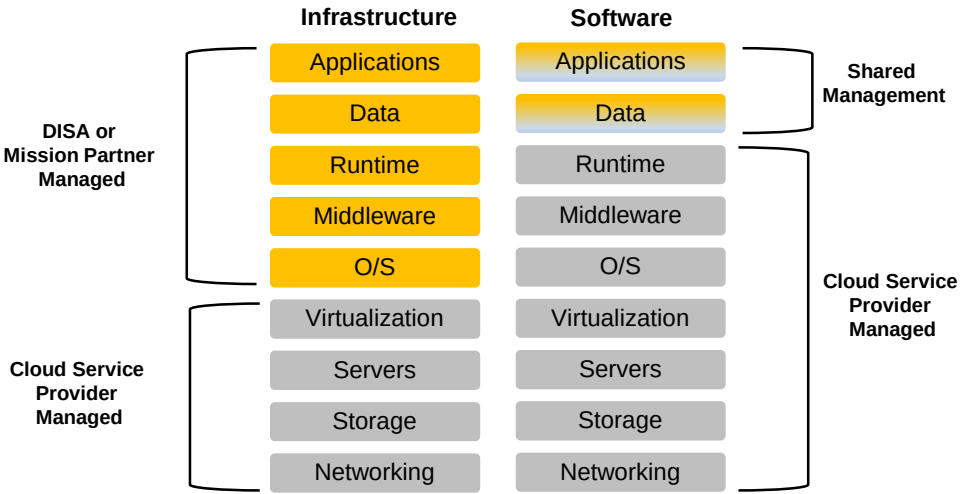
Cloud Management Roles and Responsibilities

DISA Cloud Connection Approval Onboarding Checklist

- ✓ Approved cloud vendor
- ✓ System Network Approval Process (SNAP) Registration
- ✓ Internet Protocol Registration
- ✓ Cybersecurity Service Provider
- ✓ Authority to Operate



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Features Overview

SCCA

Connect. Secure. Manage.

Connect: Access DoD approved level 4/5 cloud service providers.

Secure: Extend application and data-level security services to the cloud.

Manage: Obtain custom analytics and intelligence data for host based security and role based access controls.

Boundary Defense: Connect to approved Level 4/5 providers and protect DoD networks

Web Application Firewalls: Prevent targeted attacks; cross-site scripting, forceful browsing, cookie poisoning, and invalid input

Next Generation Firewalls: Virtual appliance architected to identify network traffic and implement policies in a mission-centric fashion

Host Based Security Service: Develop cloud-based orchestration for security policies, upgrades, and reporting

Assured Compliance Assessment Solution: Manage roles, scan zones, and policies

System Patching: Cloud-based DoD patch repositories

Recursive DNS Caching: Forward and cache external DNS queries

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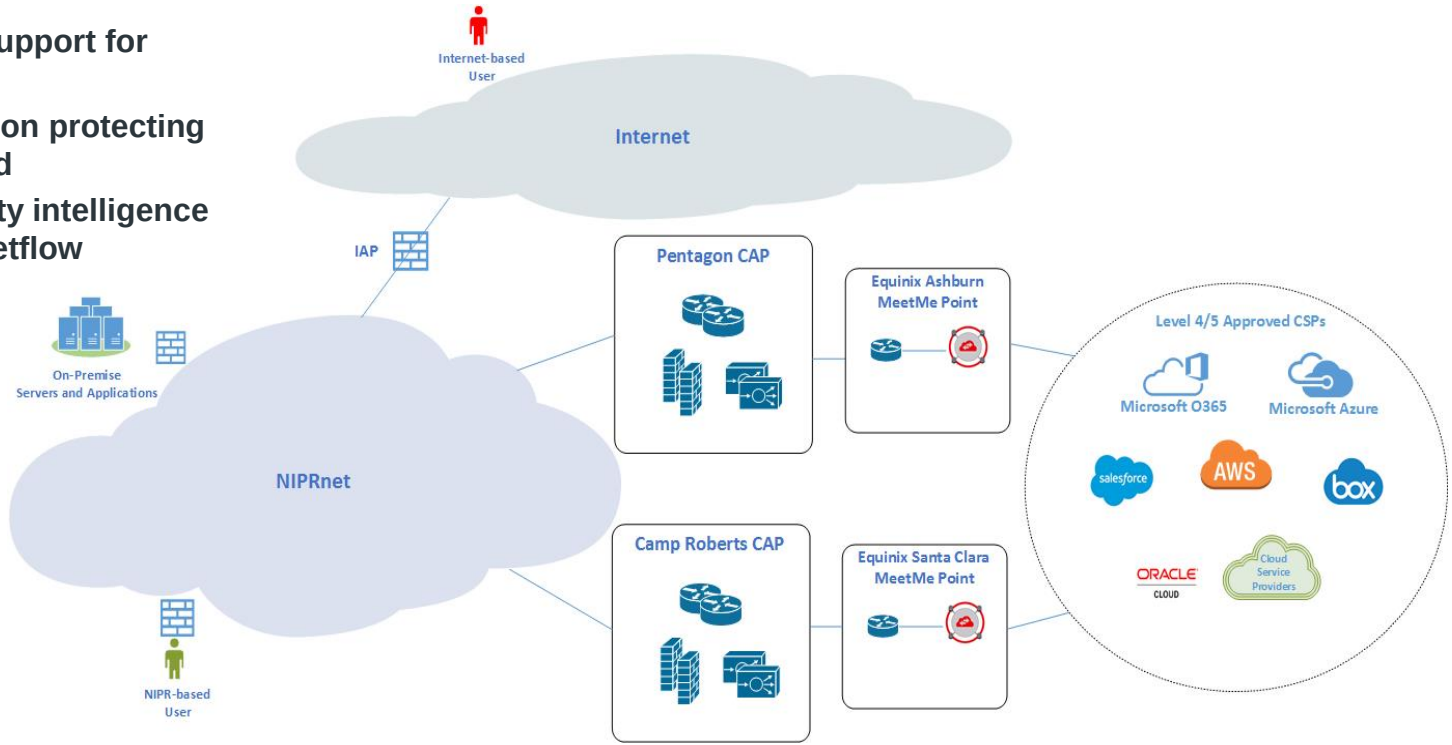
Boundary CAP (BCAP) 1.0 Overview

Key Features

- NIPRnet connectivity support for IaaS and SaaS clouds
- Security tools focused on protecting the DISN from the cloud
- Operational and security intelligence data via logging and Netflow



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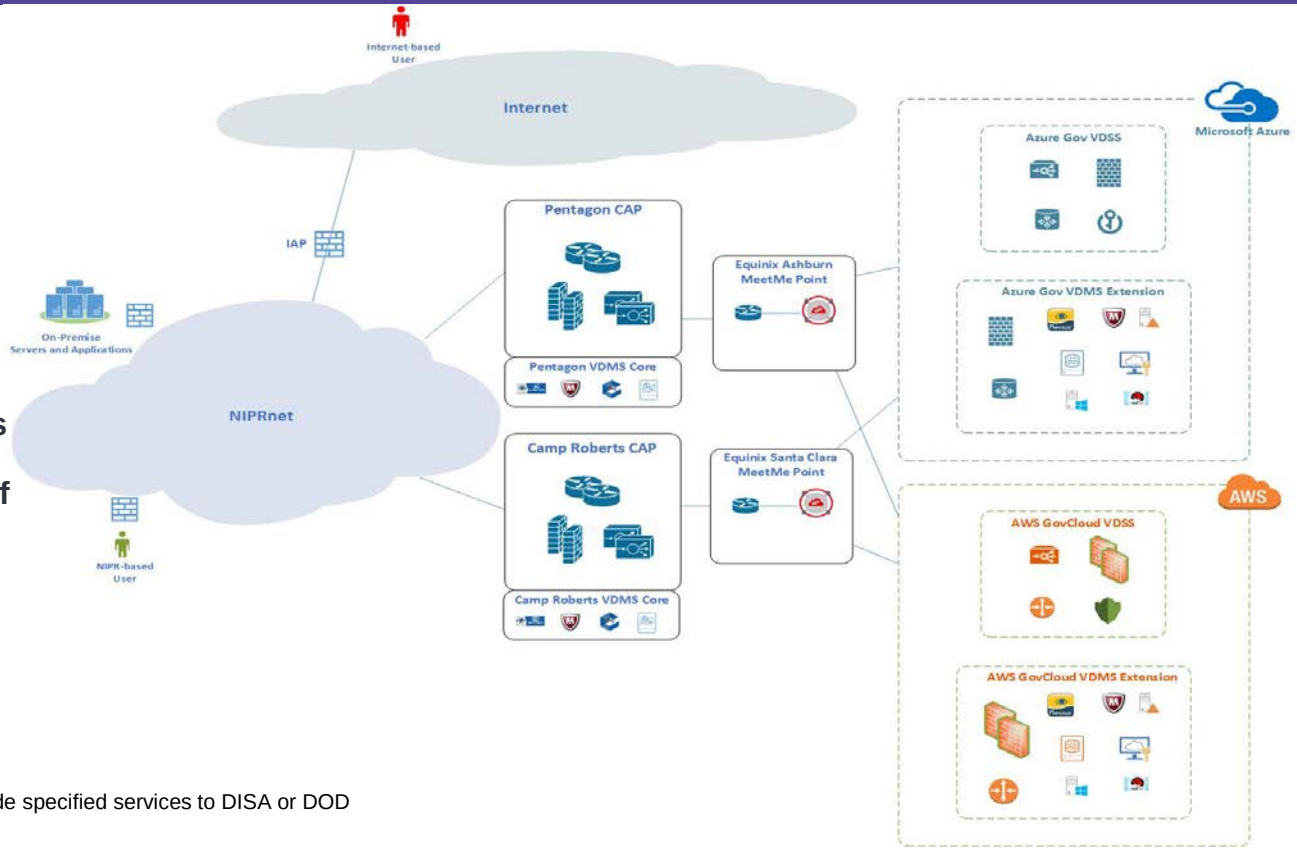
VDSS and VDMS 1.0 Overview

- **VDSS Key Features**
  - Traditional DMZ security features for public facing web applications
  - Next Generation Firewall for protecting cloud hosted workloads
- **VDMS Key Features**
  - Cloud connected management and security tools
  - Cloud privileged user access and account management
  - Central search and display of CAP and Cloud logs via Splunk



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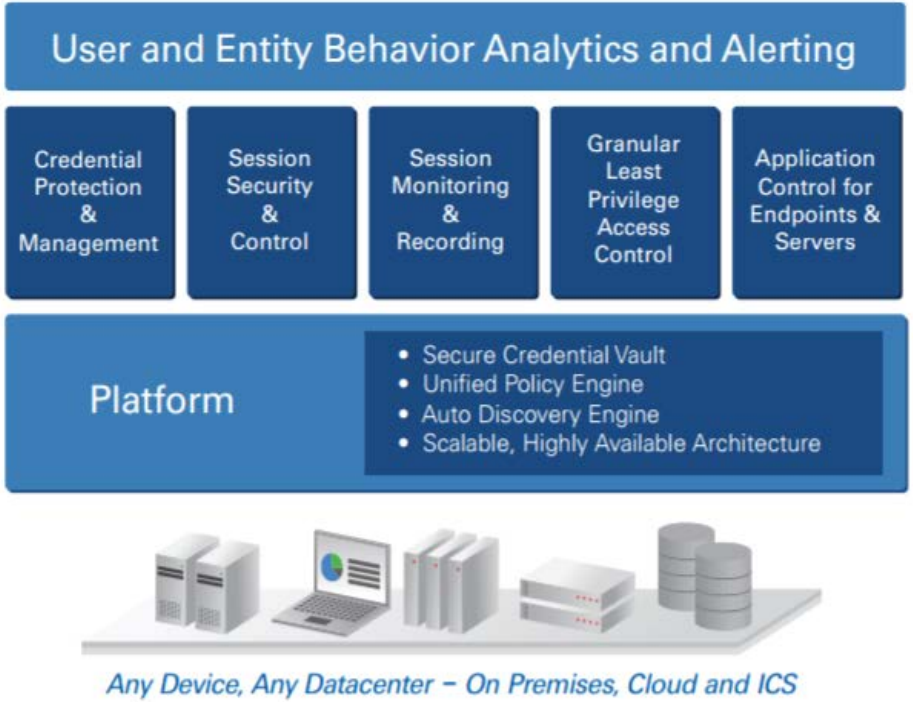
TCCM 1.0 – Privileged Access Management Service

- **Privileged password management and control**
- **SSH Key security and management**
- **Session manager to control and monitor privileged user access to IaaS clouds and hosted instances**
- **Bastion host for access into all management and security services**



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