DOD Secure Cloud Computing Architecture
A Scalable, Cost-Effective Approach to Securing Cloud-Based Programs Under a Common Security Architecture

Overview

DISA's Secure Cloud Computing Architecture (SCCA) is a suite of enterprise-level cloud security and management services. It provides a standard approach for boundary and application level security for impact level four and five data hosted in commercial cloud environments.

- Cloud Access Point
- Virtual Data Center Security Stack
- Virtual Data Center Managed Services
- Trusted Cloud Credential Manager

SCCA Features

**Cloud Access Point:** Provides access to the cloud, and protects DOD networks from the cloud. Streamlined protections focused on protecting the network boundary.

**Virtual Data Center Security Stack:** Virtual network enclave security to protect applications and data in commercial cloud offerings.

**Virtual Data Center Managed Services:** Application host security for privileged user access in commercial environments.

**Trusted Cloud Credential Manager:** Cloud credential manager to enforce role-based access control (RBAC) and least privileged access.
SCCA Scope and Capabilities

The SCCA is designed to cover all aspects of commercial provider implementation. It addresses the security concerns inherent in today’s industry offerings for infrastructure-as-a-service (IaaS), platform-as-a-service (PaaS), and software-as-a-service (SaaS). Additionally, it includes support for both on premise and off premise commercial providers.

On the Horizon

• Maintain operational support of existing Non-Secure Internet Protocol Router Network (NIPRNet) Federated Gateway cloud access point (CAP).
• Fiscal year 2017, quarter 2: Deploy SCCA prototype for select application testing.
• Develop capability roadmap to define current program enhancements based on evolving DOD requirements.

Industry Partner Engagement

• SCCA functional requirements publication planned for January 2017.

Contact Us

DOD Cloud Services Program
Email: disa.meade.sd.mbx.scca@mail.mil