

Statement of Need

Organizations within the Department of Defense (DoD) who desire to develop or migrate information systems onto cloud infrastructure need a centralized solution for:

- managing their account,
- managing authorized individuals within their organization,
- accessing billing information and policies,
- applying and enforcing cloud security policies.

In addition to integrating with DoD systems, this application will allow users to enter the Cloud Service Provider's (CSP) management software and initiate services. The goal is to automate the account provisioning process and provide self-service tools for managing accounts through a web application.

The provisioning process via this tool begins with the request for an account by a DoD organization, including request lifecycle workflow, and establishing the required IaaS and PaaS environment within the CSP according to enterprise security policy configuration. Account owners must then be able to manage users within the account, including management of role based access control policies both for internal account management and usage of cloud services, reporting of cloud billing information, application of security configuration to initiate cloud services, and passthrough access to the CSP portal.

The system must be able to connect with specified DoD identity and financial systems as well as CSP APIs. This includes programmatic access as well as person access, with both Common Access Card (CAC)/Public Key Infrastructure (PKI) authentication as well as standard multi-factor authentication. The program office will require the ability to centrally manage accounts, users, and billing and security policies as well as retain access to organizational accounts for the security team. This includes auditing accounts (both for billing and security policy compliance), policy enforcement, and an approval process for policy deviations.

A successful vendor will possess proven in-house expertise for end to end UX design and development using modern best practices. Research and validation should inform an iterative development cycle, continuously incorporating user feedback.