

WHY THIS DOD AGENCY DECIDED
**DYNAMIC SYSTEMS CLOUD
MIGRATION**
WAS THE RIGHT CHOICE FOR IMPLEMENTING
A VIRTUALIZED CLOUD INFRASTRUCTURE

ABOUT THE CLIENT

Industry: Government

Location: 28 sites with global locations on three continents

Employees: 4500 operations supported by 1000+ support personnel



AT A GLANCE

Challenge

Independently deployed capabilities running in stand-alone hardware siloes motivated a defense agency to seek help in the design, development, and implementation of a more secure cloud infrastructure.

Solution

Design, develop, and deliver a cloud ready, fully virtualized infrastructure for common services across the enterprise.

Results

- Open architecture, private cloud platform
- Cloud ready evolution for applications and other capabilities
- Platform standardization
- Reduced sustainment costs

Overview

A Department of Defense (DOD) agency has successfully migrated to a virtualized infrastructure, reducing its cost of operations (among other benefits), as it moved away from its formerly siloed operational setup.

Challenge

This DOD agency was operating on independently deployed capabilities with each one housed in stand-alone hardware siloes.

Due to this setup, the associated sustainment queue was long because of the need to maintain several different kinds of hardware, stock emergency spares for each of the hardware types, and hire a skilled staff at each site qualified to maintain all of the siloed systems. Hence, the agency's main pain-point was the extremely high annual sustainment costs across the enterprise due to the siloed nature of their systems.



Independently deployed capabilities in standalone hardware



Data silos



High sustainment (operating and support) costs

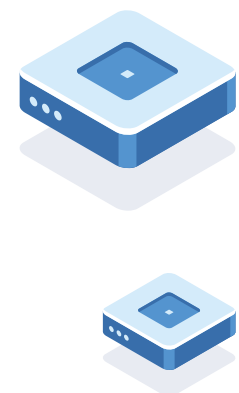
This defense agency needed a highly-reliable, flexible and affordable cloud migration solution and a secure infrastructure on which to host applications.



While DOD does not function from a revenue generation perspective, the high cost of organization-wide sustainment requirements was in immediate need of a resolution. So, Dynamic Systems designed, developed, and delivered a cloud-ready, fully virtualized infrastructure for common services across the enterprise, including :

- Architecture and design
- Development and test
- Security compliance architecture and implementation
- Deployment and implementation
- Proof of Concept/Proof of Value
- Maintenance training
- Project management

Subsequent to this delivery and associated training, the DOD agency adopted the platform as their required standard and is currently rolling out Dynamic Systems' design across all their operational capabilities.





Results

Dynamic Systems' technology implementation has a significant impact on the agency's cloud environment. With Dynamic Systems, this customer has:

Fully virtualized their infrastructure for common services across the enterprise

This project provided the IaaS/PaaS platform as well as consulting and engineering support to various capability providers to evolve their applications from bare metal/silo to cloud ready.


Enabled consulting and engineering support to various capability providers

As the agency wanted to evolve their applications from bare metal/silo to cloud ready, consulting and engineering support have been provided. These applications include vertical and horizontal decoupling; API interface creation, standardization, and enforcement; development and test of migration into VMs; as well as cloud stack readiness validation.

Ensured the proper migration of appliance-based capabilities into virtualized appliances

Dynamic Systems consulted with the agency's Appliance vendors regarding the migration of appliance-based capabilities into virtualized appliances.

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