



# CLOUD DESIGN, ENGINEERING, AND OPERATIONS

*More than just a head in the clouds.*

LATCH's architects and engineers have seen the evolution of distributed computing, infrastructure virtualization, and multi-tenancy architecture become features of modern-day cloud computing. We understand the opportunities, challenges, and risks in migrating and operating in a cloud environment. As Federal agencies transform their IT missions through cloud services, our expertise in Cloud Design, Engineering, and Operations can help simplify complex processes.

## OUR PERFORMANCE

We empower customers to achieve their missions at home and abroad through cloud-enhanced systems.

- Develop a Cloud Assessment Framework to assess the operational, technical, and financial cloud readiness of 400+ health systems and applications.
- Analyze and provide for a multi-system architecture in an AWS GovCloud IL4 and IL5 environment and leveraging cloud high availability capabilities.
- Architect and manage the migration of an OCONUS system and 15 TB of biometric data into an AWS GovCloud East IL4 environment.
- Perform day-to-day operations and maintenance of Microsoft 365 tools and an MS Azure environment at 99.9% uptime for 7,000 users.
- Implement an Infrastructure as Code solution in AWS GovCloud.

## OUR CAPABILITIES

**Financial Planning:** Develop a budget and track operating expenses for cloud-based system, services, migration, or operations.

**Readiness Assessments:** Identify, discover, and analyze the ability for a system to migrate to a cloud environment.

**Cloud Migration:** Plan, manage, and perform the move of a system to a cloud environment.

**Architecture and Design:** Convert business requirements into conceptual, logical, and physical models for a cloud-based system.

**Operations and Maintenance:** Perform operations and maintenance for cloud-enabled systems.

**Systems Integration:** Design, architect, and implement COTS or GOTS products or systems on a cloud service provider's government or commercial environments.

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