

# LEIDOS CLOUD MIGRATION



Cloud computing is emerging as the underpinning technology to deliver digital business innovations into the foreseeable future. Industry-leading think tanks predict that cloud computing will become the dominant design target for new applications and refactoring applications over the next decade. Simply put, cloud computing is an inevitability for organizations that plan to operate as a digital business in the future. Cloud Computing has revolutionized IT, enabling benefits including:

- ▶ **Better scalability** – Scalable computing elements that are readily available as your solutions and missions grow.
- ▶ **Increase agility** – Improve your speed to market with increased flexibility.
- ▶ **Reduce and avoid costs** – Decrease on-going data center expenses and avoid costs associated with future equipment procurement.
- ▶ **Manage security costs** – Accurately assess your data and select the appropriate cloud security controls.
- ▶ **Comply with assurance programs** – CSA, ISO 9001, ISO 27001, PCI DSS Level 1, SOC 1, SOC 2, SOC3, FedRAMP, DoD SRG, NIST, HIPAA.

To achieve these benefits, many Government agencies are contemplating the migration of their existing program applications from an on-premise environment to the Cloud.

## CLOUD MIGRATION PITFALLS

A seamless migration effort requires the skills to effectively analyze, plan, implement, and sustain migration. Inability to address these steps properly can result in common pitfalls, such as:

- ▶ **Failing to define a realistic business case:** An organization must clearly identify what will be gained from migration — simply moving resources to the Cloud does not automatically make them more efficient or meaningful to the business.
- ▶ **Selecting the wrong migration models:** With many different Cloud-based architectures and deployment models available, e.g., Cloud, Hybrid, Community, IaaS, SaaS, etc., organizations must understand the application environment and technology to choose the appropriate migration model(s).
- ▶ **Underestimating the cost and effort in migration and integration:** unanticipated costs can emerge if required application modifications, necessary to operate in the cloud environment, are not sufficiently identified.

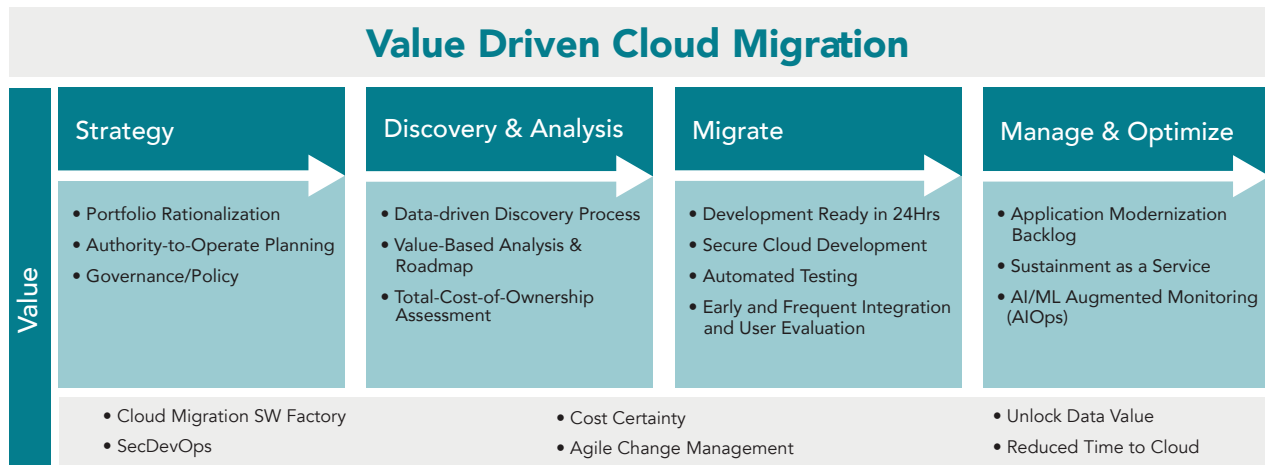
## OUR APPROACH

The Leidos approach employs a scalable, adaptive cloud migration framework that provides a fully-customizable methodology for architecting, planning, and executing cloud migration, application modernization, and technology enhancements to support future enterprise IT objectives for our customers. Our platform gives Executive Sponsors, Product Owners, and Project Execution personnel the ability to devise a clear technology roadmap and execution approach to ensure low-risk application/cloud migration initiatives.

Leidos' Cloud Migration service addresses gaps in commodity migration approaches as well as provides opportunities to improve architecture, achieve economies of scale, and align system operations to mission requirements—all while ensuring that security is built-in from the start.

## LEIDOS' FOUR STAGE MIGRATION PROCESS

Leidos has developed an automated DevOps solution that makes it possible to collect data from every necessary source, and then perform the necessary calculations so that all the SLAs can be reported upon, daily or as needed, transparently and efficiently.



Upon completion, Leidos can offer best-in-class operations sustainment in a manner that reduces burdensome maintenance and management costs. Our disciplined, value-driven approach is fully supported by an agile organizational ecosystem. The Leidos Software Factories, Security Methodology, and SecDevOps Continuous Integration (CI)/Continuous Deployment (CD) ready systems provide high-level expertise and effectiveness—leveraging a rich set of technical skills, personnel, and processes.

### Software Factories

We employ a cutting-edge approach to rapidly delivering capability to our customers via strategically positioned Software Factories that merge people, processes, tools, and capabilities, improving the consistency, quality, and scale at which we develop, modernize, and migrate software across all markets. We bring innovations in software delivery from across the world to our customers every day.

### Security Methodology

Leidos employs a Security First methodology. Our approach is comprised of embedded cybersecurity risk management, continuous threat vulnerability monitoring, inherited controls, automated accreditation scripts, and a stream-lined Authority-to-Operate (ATO) process that brings customer programs expedited certification and accreditation activities.

### SecDevOps Continuous Integration and Deployment

Leidos' SecDevOps modular CI/CD pipeline provides an integrated and standard set of tools that, combined with our Software Factories, result in reduced security risk while simultaneously meeting business objectives of faster and more cost-effective project delivery. We empower developers and operations engineers to deliver innovative solutions via reuse of artifacts, micro-services, common processes and capabilities, and common code repositories.



## OUR CAPABILITIES

**Cloud Migration:** Leidos begins the process with a clear understanding of the organization's mission and the strategic analysis of targeted benefits. Our team leverages its system of systems understanding to help organizations determine which platforms or applications should migrate into the Cloud now, and which should be part of a future roadmap. Once a determination is made, we help procure, secure, and connect cloud services to your organization's network, with automation that eliminates shadow IT from third-party providers.

**Cloud Services Modernization :** Our mission-focused business cases and customer mission requirements allow us to contribute beyond migration to include meaningful systems enhancements. We employ a data-centric approach to enhancing applications via the enablement of AI/ML for mission use and improvement of operations.

**Cloud Sustainment:** Leidos helps our customers navigate the entire cloud migration process as well as on-going maintenance and sustainment of the migrated applications.

## OUR PARTNERSHIPS

Leidos is an Amazon Web Service (AWS) Premier Consulting Partner and a Microsoft Gold Partner delivering industry-leading public and private cloud service offerings; we are also an approved provider of secure cloud services to U.S. Government agencies including federal, state, and local agencies.

Our partnership with AWS allows you to:

- ▶ Reduce your costs – save up to 10% on your monthly AWS bill
- ▶ Understand your costs – receive a simplified version of your bill so you can quickly assess your cloud-related expenditures
- ▶ Track costs by department – benefit from our tagging feature that allows you to see which departments in your organization are spending the most

Our partnership with Microsoft allows you to:

- ▶ Understand your costs – receive a simplified version of your bill so you can quickly assess your cloud-related expenditures
- ▶ Access to proof of concept credits and reserved VM instance to support pilot projects
- ▶ Leverage MSFT FastTrack Azure team for migration support



## PROVEN SUCCESS

Leidos incorporates industry best practices into its processes and designs, and we have completed more than 1,000 public and private migrations. We've successfully managed cloud projects for:

- ✓ Federal Trade Commission
- ✓ GSA
- ✓ NASA
- ✓ U.S. Air Force
- ✓ Department of Defense
- ✓ Department of Energy
- ✓ Department of Homeland Security
- ✓ Department of Justice
- ✓ Department of the Navy
- ✓ NOAA
- ✓ Department of Treasury
- ✓ Department of Transportation
- ✓ Department of Veterans Affairs
- ✓ Ministry of Justice

The following use case highlights various metrics associated with past migration efforts:

### U.S. Military Customer

- ✓ 37 live applications: 24 Amazon Web Services and 13 Microsoft Azure
- ✓ Highly complex legacy applications, as well as newly-developed cloud-native applications
- ✓ 700,000+ users
- ✓ AWS GovCloud and Microsoft Azure Government
- ✓ IL4/IL5/IL6 accredited environments

## WHY PARTNER WITH LEIDOS?

Through our comprehensive approach, Leidos is transforming the way organizations secure, modernize, migrate, and sustain applications across disparate cloud environments. We have a proven record of assisting customers in migrating their applications from premise-based hosting to the power of the Cloud. Our Cloud migration specialists work side by side with your team to provide a complete migration solution, including developing a strategy, analyzing on-premise applications, developing a road map, implementing migration, and performing on-going sustainment as needed by your organization.

## NEXT STEPS

Leidos works side by side with your team to understand your existing environment and come up with a solution specific to your organization's needs. Contact us today to discover how Leidos can help modernize your applications and leverage the power of the Cloud.

## FOR MORE INFORMATION

[leidos.com/cloud](https://leidos.com/cloud) | [leidos.com/contact](https://leidos.com/contact)