

FROM LEGACY TO CLOUD: A FOUR-PHASE APPROACH TO PUBLIC SECTOR CLOUD MIGRATION

CHALLENGES

Public sector organizations are responsible for providing essential services to citizens while operating within budget constraints. With increasing demand for online services, it is becoming essential for these organizations to migrate to cloud-based infrastructures that offer flexibility, scalability, and cost-effectiveness. Atlasticity has developed a four-phase approach to a cloud migration project plan for public sector organizations.

PHASE 1: DISCOVERY & REQUIREMENTS DEFINED

During this phase, we conduct a thorough discovery of the organization's current IT environment, including existing systems, applications, and infrastructure. The aim is to understand the requirements and constraints and design the architecture of the AWS environment. The following activities are part of this phase:

- **Conduct a thorough inventory** of the existing IT infrastructure and applications to identify what can be migrated to the cloud.
- **Analyze the existing network architecture** to identify any potential issues that may affect the migration to the cloud.
- **Define the scope and objectives** of the migration project, including timelines, resource requirements, and budgets.
- **Develop the AWS environment architecture** that meets the organization's requirements and provides the necessary scalability and resilience.
- **Define the migration strategy** and finalize the migration project plan.
- **Provide staff training** and an AWS Immersion Day to educate staff on cloud migration concepts and how to operate in a cloud environment.

PHASE 2: POC/SANDBOX TESTING & VALIDATION

In this phase, we perform POC/sandbox testing and validation to ensure that the environment is configured correctly, and applications can be migrated successfully. The following activities are part of this phase:

- **Build and test** the development environment at AWS to ensure that it is configured correctly and that applications can be migrated successfully.
- **Perform a POC/sandbox testing** to validate the migration plan and identify any potential issues.
- **Provide additional staff training** on how to operate in the cloud environment.

PHASE 3: MIGRATION PROJECT KICK-OFF

During this phase, we initiate the migration project, creating and testing the QA and UAT environments. The following activities are part of this phase:

- **Create and test** the QA and UAT environments, ensuring that they are configured correctly.
- **Conduct a security review** and environment penetration test for the UAT and Production environments.
- **Finalize the production migration plan** and initiate the go-live process.

PHASE 4: COST, APPLICATION, & PROCESS OPTIMIZATION REVIEW

In the final phase, we conduct a cost, application, and process optimization review to identify areas for improvement. The following activities are part of this phase:

- **Analyze the cost** of running the AWS environment and identify opportunities for optimization.
- **Review applications and processes** to identify areas for improvement, including potential automation opportunities.
- **Finalize all documentation**, including a detailed report of the project and its outcomes.
- **Proceed to project closure.**

Migrating to the cloud can be a complex process, especially for public sector organizations that must comply with strict regulations and policies. A well-defined migration project plan can help ensure a successful migration while minimizing disruption to ongoing operations.

Contact Atlasticity to plan and execute your cloud migration project successfully:

+1 612 474 1939

info@atlasticity.com