

# Cloud Migration Assessment: 6-Week Assessment

## Digital Transformation: Cloud migration assessment

The DataArt team of experts offers an assessment session of an end-to-end migration to Microsoft Azure Cloud.



### Plan

1. Identify main stakeholders, project/business goals, time and budget constraints
2. Work with team leads on client side to focus on current state analysis
3. Gather requirements for data security, retention, compliance, and geo location restrictions
4. Iteratively come up with final state for the migration / modernization project
5. Identify skills and knowledge gaps in client's team and plan a training / staffing session
6. Develop a project transition plan aligned with uninterrupted business processes, current state, and desired architecture
7. Perform security and compliance assessment of the plan and apply updates accordingly
8. Organize team to run project transition and iteratively deliver transition according to the plan.



### Deliverables

- Migration plan which includes Microsoft Azure resources configuration, timelines and efforts estimate
- Estimate for the migration effort and ongoing maintenance
- Cost optimization plan enabled by leveraging automation, cloud elasticity and performing applications modernization
- Backup and disaster recovery plan and backup process automation plan with data retention policies
- Security assessment of the configuration and current state
- Architecture assessment and migration plan to SaaS and PaaS cloud services.

**The assessment will be executed by DataArt team in accordance with the Cloud Adoption Framework best practices provided by Microsoft which entails:**

- Well-structured predictable assessment workflow aligning business, people, processes, and technologies
- Strong technological pillars including security, reliability, cost optimization, performance efficiency and operational excellence for the desired state in the cloud.



**Contact us today to learn more!**

*About Us:* DataArt is a global software engineering firm that takes a uniquely human approach to solving problems. With over 20 years of experience, teams of highly-trained engineers around the world, deep industry sector knowledge, and ongoing technology research, we help clients create custom software that improves their operations and opens new markets.

# Cloud Migration

## Digital Transformation: Cloud migration

The DataArt team offers a plan on an end-to-end migration to Microsoft Azure.



### Steps

1. Identify project goals, main stakeholders, time, and budget constraints
2. Work with team leads on the client side to gather a true picture of a current state
3. Gather requirements for data security, retention, compliance, and geo-location restrictions
4. Iteratively come up with final state for the migration/modernization project
5. Identify skills and knowledge gaps in client team and plan for trainings / staffing
6. Develop transition plan aligned with uninterrupted business processes, current state and desired architecture
7. Perform security and compliance assessment of the plan and apply updates accordingly
8. Organize a team to run and deliver the project transition

The cloud migration will be executed by DataArt team in accordance with the Cloud Adoption Framework best practices provided by Microsoft which entails:

- Well-structured predictable workflow aligning business, people, processes, and technologies
- Strong technological pillars including security, reliability, cost optimization, performance efficiency and operational excellence for the desired state in the cloud.



### Deliverables

Depending on the identified project goals and migration options deliverables would vary:

#### I. Lift and shift (IaaS)

- IT infrastructure layout documentation with key stakeholders
- Cloud resources evaluation and cost estimate report
- Cloud infrastructure design
- Security assessment report
- Migrated infrastructure

#### II. App modernization (PaaS/SaaS)

- IT infrastructure layout documentation with key stakeholders
- Each application assessment report
- Project POC completed
- Cost estimate document
- Overall migration plan and timeline
- Migrated and modernized infrastructure

#### III. Cloud Adoption

- IT infrastructure layout documentation with key stakeholders
- Each application assessment report
- Cloud Adoption plan
- The strategy and plan template to span cloud adoption
- Project POC completed
- Overall migration plan, estimate and timeline document
- Migrated and modernized infrastructure



**Contact us to learn more!**

# Open-Source Stack App Architecture Modernization: 6-Week Assessment

The service is developed to help clients with application architecture modernization. The target projects for the service are intended to be implemented using an open-source stack and have an API/Web.

The offering is focused on leveraging Azure native services for achieving maximum cost-effectiveness and flexibility for the system. During the solution design phase, the following aspects are being considered and monitored: performance, resilience, security, supportability and future system maintenance.



## Plan

1. Capture business use cases for the solution
2. Identify the client's needs and readiness for the modernization
3. Capture the current state of the architecture and design the solution architecture
4. Prepare materials and artifacts
5. Transfer results to the client

**The architecture modernization will be executed by DataArt team in accordance with the Cloud Adoption Framework best practices provided by Microsoft which entails:**

- Well-structured predictable workflow aligning business, people, processes, and technologies
- Strong technological pillars including security, reliability, cost optimization, performance efficiency and operational excellence for the desired state in the cloud.



## Offering schedule

### Assessment phase activities

1. Identify main stakeholders, goals, time and budget constraints
2. Gather requirements for use cases, app security, reliability, compliance, and geo-location restrictions
3. Capture and document business processes

### Artifacts

- Catalogs: stakeholders, business & technical goals, constraints, etc
- High-level business process flow and use cases

### Solution architecture phase activities

1. Iteratively come up with a final solution state for the project implementation
2. Identify skills and knowledge gaps in the client's team and plan a training/staffing session
3. Develop a project transition plan aligned with uninterrupted business processes, current state, and desired architecture
4. Perform security and compliance assessment of the plan and apply updates accordingly
5. Iteratively deliver transition according to the plan

### Artifacts

- Detailed solution architecture diagram
- Application architecture: app modules conceptual diagram, tech stack & Azure services, etc
- POC plan description (if requested by the client)
- Infrastructure ongoing cost forecast
- App modernization project plan with interim coexistence strategy



**Contact us to learn more!**

# Data Architecture Modernization: 6-Week Assessment

To help clients outperform competitors by building modern data analytics architectures

DataArt helps our clients evolve an insight-driven organization through data management and Agile BI systems and practices, and by enabling AI, machine learning and data science. We are uniquely positioned to extend our clients' existing solutions with Microsoft Azure capabilities by helping add them into their solution depending on the technology stack or type of infrastructure that the vendor currently has. The main modernization approach for Azure Data Platform includes: Azure Data Lake Storage (Gen2), Azure Synapse Analytics, Azure Data Factor, Azure SQL Server, Azure Power BI Service, Azure Data Explorer / Kusto etc.



## Plan

1. Capture priority business Data & Analytics use cases for the solution
2. Assess readiness for the modernization on the client side
3. Prepare and transfer artifacts that comprehensively describe the developed architecture

**The data architecture modernization will be executed by DataArt team in accordance with the Cloud Adoption Framework best practices provided by Microsoft which entails:**

- Well-structured predictable workflow aligning business, people, processes, and technologies
- Strong technological pillars including security, reliability, cost optimization, performance efficiency and operational excellence for the desired state in the cloud.



## Deliverables

### Deliverables (2-weeks Assessment phase)

- Work with team leads on client side to focus on current state analysis
- Gather requirements for data security, retention, compliance, and geo location restrictions
- Capture and document business processes

### Deliverables (4-weeks Solution architecture phase)

- Iteratively come up with final solution state for the project implementation and getting started with Azure cloud architecture
- Identify skills and knowledge gaps in client's team and plan a training / staffing session
- Develop a project transition plan aligned with uninterrupted business processes, current state, and desired architecture
- Perform security and compliance assessment of the plan and apply updates accordingly
- Project transition



## Artefacts

- Solution and data architecture diagrams
- POC plan description: technical and organizational activities
- Infrastructure plan description: capabilities and costs (assigned to date)



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# Azure App Custom Development: 10-Week Assessment

This service is developed to help clients with the custom application development and ways to achieve it. The target projects for this service could be either green field or modernization of existing applications.

DataArt provides a high-quality service for custom development in Microsoft Azure cloud. Offering is focused on the leveraging Azure native services for achieving maximum cost effectiveness and flexibility for the system.



## Plan

- Identify of the client's needs and goals for the custom app development
- Capture business use cases for the solution
- Design the solution architecture and implementation plan
- Prepare of accompanying materials and artefacts
- Transfer results and materials to the client

The assessment will be executed by DataArt team in accordance with the Cloud Adoption Framework best practices provided by Microsoft which entails:

- Well-structured predictable workflow aligning business, people, processes, and technologies
- Strong technological pillars including security, reliability, cost optimization, performance efficiency and operational excellence for the desired state in the cloud.



## Offering schedule

### Assessment phase activities

1. Identify main stakeholders, project/business goals, time and budget constrain
2. Gather requirements for use cases, app security, reliability, compliance, and geo location restrictions
3. Capture and document business processes

### Artifacts

1. Catalogs: stakeholders, business goals, technical goals, constraints etc.
2. High level business process flow and use cases

### Solution architecture phase activities

1. Iteratively come up with final solution state for the project implementation
2. Identify skills and knowledge gaps in client's team and plan a training / staffing session
3. Develop a project launch plan aligned with uninterrupted business processes, current state, and desired architecture
4. Perform security and compliance assessment of the plan and apply updates accordingly

### Artifacts

1. Solution diagram: detailed architecture diagram
2. Application architecture according to business requirements (App modules conceptual diagram, Technology stack & Azure services, Deployment in Azure cloud process integration)
3. POC plan description: technical and organizational activities with timelines. (if POC requested by client)
4. Infrastructure ongoing cost forecast: capabilities and costs



Contact us to learn more!