App Modernization Assessment and Migration Using Azure PaaS

Assess and modernize mission-critical applications using Azure PaaS services for greater performance, flexibility, security, and scale

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App Modernization with Microsoft Azure

Assess and modernize .NET or PHP applications to realize the many benefits of PaaS managed cloud services.

Azure App Service delivers build and host capabilities without needing to manage infrastructure, providing high availability, auto-deployments, and more.

Azure SQL Database handles most of the database management functions, like upgrades, patching, backups, and monitoring.

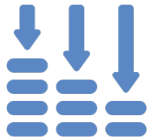# Benefits of Modernization with Azure App Service & SQL Database

Fully managed cloud services are helping enterprise organizations modernize quickly to adapt to modern user expectations and stay competitive.
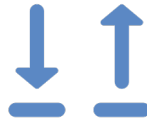
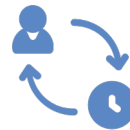**Strengthen Your Security and Compliance Posture**

Improve Performance, Availability, and Uptime

Reduce and Control Costs

Meet Traffic Spikes with Dynamic Scaling

Increase Operational Efficiencies

Greater Flexibility and Agility to Scale

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Our Engagement Approach

WEEK ONE - FOUR
Assessment Phase

For up to 5 applications, AIS will perform an application assessment to determine suitability for Azure PaaS services, gauge business impact, inventory and validate assets to be migrated, analyze performance expectations, determine cloud cost estimates, and more to inform the target architecture design and migration plan.

DELIVERABLES

Documented application assessment targeting App Service and/or Azure SQL Database

WEEK FIVE - EIGHT
Migrate & Modernize Phase

AIS engineers will refactor the application using the determined approach including App Service and Azure SQL. We'll test the application's functional requirements and evaluate opportunities for automation and regular deployment.

DELIVERABLES

Successful migration of an on-premises application to Azure

WHAT'S NEXT?
Continuous Modernization

Following the assessment and modernization phases, we'll have established a rhythm and best practices working together for continuous modernization of your application portfolio, introducing DevOps processes, addressing complex security requirements, and more.

DELIVERABLES

Scheduled touch point(s) to discuss next steps for cloud modernization

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Key Areas Addressed

Validate Prerequisites

- Azure Subscription with appropriate RBAC access
- Quick "Landing Zone" assessment
- One or more (up to 5) .NET or PHP applications have been identified for assessment
- Document the baseline expectations of application owners
  - Identify app sustainment team members and roles
  - Build app sustainment expectation checklist
- Build the app modernization queue

Confirm Migration Tooling

- App Service Migration Assistant
- Database Migration Assistant
- Perform Application Assessment
- Application name and summary
- Suitability for Azure PaaS (Y/N, App Service and / or Azure SQL DB)
- Business owner
- Technical owner
- Business impact summary
- Initial inventory of assets and validation of what needs to be migrated

- Performance expectations
- Cloud cost estimates
- Business testing criteria
- Define "Burn-in" period, effort, expected tools
- Analyze workload dependencies for network traffic and application usage
- All dependent workloads have been migrated
- Workload freezes
- Target Architecture including App Service and Azure SQL

- Description of modernization and deployment activities (refactor, deployment)
- Specific areas of the codebase that needs refactor
- Method of deployment of supporting cloud services, application code, and database(s)

Modernization and Migration Phase

- Engineers refactor and test application functional requirements
- Evaluate opportunities for automation and regular deployment

Get Started

Ready to accelerate app modernization?

- Contact AIS today at **sales@appliedis.com**

- We'll follow up to help you determine the next steps

- This will help define the project scope and next steps