Cloud Transformation Services

Accelerate your Digital Transformation with efficiencies from Azure Cloud Transformation Services

Cloud Transformation built on Microsoft Azure

- **Azure cloud transformation services** utilizes a factory line approach to maximize migration throughput and predictability with parallelism, automation and engineering specialization
- As we complete cutovers, **we set up your applications to be self-sustaining in the Cloud** thanks to Azure's modern cloud-native services and automated Cloud governance

Client challenges

Migrating to the Cloud is more than just moving workloads - it's also about taking advantage of Azure to solve historical IT inefficiencies

- Migrating systems as-is (lift & shift), albeit expedient, leaves on the table the massive value that the Azure Cloud can provide

- Without a comprehensive Azure Foundation in place, migrations will be blocked, and technical debt will increase exponentially

- Without architecture standardization, ad-hoc solutions will permeate the enterprise, and governance overhead will grow

- Application teams lack the knowledge and skills to manage and maintain their applications once they are migrated to Azure

How cloud transformation services can help you

1 Migration of your applications into modern cloud-optimized workloads with built-in resilience, Infrastructure-as-Code automation and auto-scaling capabilities

3 Evaluation of your Core Azure Fabric and Cloud Governance capabilities against our Azure Foundation Framework to identify maturity enhancement opportunities

2 Standardization of application architectures with native cloud resilience, containers, auto-scaling, and automated deployment of entire application stacks with infrastructure-as-code automation

4 Training and knowledge transfer workshops conducted in parallel with migration activities, plus operational runbooks for enhanced post-cutover DevOps activities

Features

◪ **Build Studio Services**

- Provides industrialized delivery through scale, standardization, automation, and a consistent delivery process

◪ **Azure Design Patterns Library**

- Standardizes application architectures through tried and tested solutions to typical application design challenges

◪ **Azure Foundation Services**

- Provides a framework for identifying and addressing core Azure maturity gaps before they become app migration blockers

◪ **App Discovery & Disposition Tools**

- PwC's uses tools to accelerate the identification, analysis, and 6R dispositioning of application workloads

Cloud Transformation Services in action

Challenge	Solution	Results
• A Client was challenged with a large application inventory (thousands) and constant tech / org changes	• Utilizing our **Cloud Transformation Services (assembly line approach)** to start migrating up to 50,000+ resources with maximized throughput	• Cloud Transformation Services brought the skills required to standardize, enhance, and migrate the Client's applications, including:
• The client's cloud footprint grew organically over 5+ years with minimal standardization	• Completed the migration of over 20 applications, some of which with very complex migration paths	• Code Refactor (e.g., DotNET, Node.JS, JavaScript, Java)
• The next step in the Client's Cloud evolution was to migrate these previously "unmanaged" cloud resources to a newly developed Azure Managed Platform based on **standardized services, controls, and automation**	• Currently, PwC is actively onboarding applications onto the Migration Factory and completing cutovers to the client's new Azure Managed Platform	• Automation (ARM, PowerShell, Terraform, Python)
		• Telemetry (Dynatrace, Prometheus, Splunk)
		• Cloud Services (e.g., Docker, Kubernetes, Azure Logic Apps, Azure Key Vault, Azure SQL)
		• Cloud Transformation Services established an **accelerated migration path to Azure that is free of the typical delays and choke points**

Get started with Cloud Transformation Services
Visit pwc.com/us/en/microsoft to learn more.

Let's connect!

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