Cloud offerings aligned with Microsoft Cloud Adoption Framework

Assisting Organizations in the adoption of cloud

pwc

PwC's cloud strategy is based on PwC Transform Methodology and aligned with the Microsoft Cloud Adoption Framework (CAF). The cloud strategy consists of phases such as assessment, design, construction, implementation, operation and review. Each of these phases is described below:

Assessment: This phase identifies the business objectives, key drivers for cloud adoption and current challenges. A current-state assessment is performed to understand the IT landscape from a cloud-readiness perspective.

Construction: This phase includes constructing the cloud architecture, assessing cloud readiness using Azure and validating best practices.

Design: The business value of cloud is determined through a total cost of ownership (TCO) analysis. The cloud readiness of the applications in the IT landscape is determined using PwC's application profiler tool. Other areas like cloud security framework and standards, cloud adoption roadmap, operating model and strategies related to disaster recovery (DR) and business continuity plan (BCP) are covered in this phase.

Migration: This phase deals with migration workloads and expanding the blueprint according to the designed strategy. The governance and reporting structure to communicate progress are prepared as a part of this phase.

Operation and review: The is done to ensure that the expected Azure environment and best-practice validation are achieved. We perform adequate testing for validation.

This tried and tested methodology has been used for several successful engagements with our clients. Our solutions have enabled leading companies to transition to cloud seamlessly and successfully and given them an edge over their competitors. At PwC, we help customers in their cloud adoption journey by providing end-to-end services – from cloud assessment and strategy to cloud setup, migration and managed services. This strengthens our presence in the cloud market and helps us leverage our strong network for catering to the requirements of our clients.

Engagement duration

Assessment and cloud strategy	**8**weeks
Cloud setup and migration	**12**weeks

Managed services – One year or three years or five years Managed services

Cloud strategy and assessment

Strategy, benchmarking and roadmap

- Understand visions, missions, objectives, motivations and drivers
- Industry adoption and benchmarking
- Business goals, outcomes and justifications
- Cloud-provider comparison matrix
- Initial organisational alignment
- Define cloud strategy

IT infrastructure and application assessment

- IT infrastructure assessment
- Application architecture assessment
- Cloud adoption readiness assessment
- Deployment of recommended models (IaaS, PaaS, SaaS)
- IT policies and process assessment and development
- DevOps assessment
- Benchmarking against industry best practices and peers.
- Business case for cloud adoption with the Total Cost of Ownership (TCO)

Cloud migration plan

- Cloud-migration approach
- Define target architecture
- Disaster-recovery strategy
- Migration plans
- CSP coordination and project management
- Pilot migrations
- Monitor and cutover

Governance, operating model and policies

- Cloud governance, risk and compliance
- Governance maturity
- Cloud security model
- Cloud operating model
- Skills readiness plan
- Decision framework of Cloud migration criteria
- Best practices validation

Notable projects

Leading bank in the Middle East

We worked with the security team of a leading bank to define their cloud policy, helped them to decide on the right cloud service and define the cloud-provider certification checklist. These will be used for public cloud governance.

Leading Indian bank and asset management company

We collaborated with a leading Indian bank and an asset management company to assess their infrastructure, application landscape and security protocols to identify potential areas for cloud adoption. We defined their cloud strategy and designed target cloud architecture with zero trust security and designed a detailed migration plan for cloud adoption.

Leading Indian conglomerate

We worked with a leading Indian conglomerate to define its cloud strategy and assess its applications in different business units. We helped in the development of business cases and target cloud architecture, and defined migration plans and CSP selection matrix. This enabled the company to choose the right service model on cloud.

Cloud infrastructure setup and migration

Application architecture

- Azure readiness guide
- Azure migration roadmap
- Compute, network and storage architecture
- Cost-optimised infrastructure architecture
- Strategy and architecture for hybrid cloud
- Reference architecture for virtual machine (VM) migration to containers

Automation infrastructure as a code

- Infrastructure deployment automation using Terraform, Azure templates and Azure blueprints
- Defining automation architecture
- Operations baseline
- Ops maturity
- CSP coordination and project management
- Application migration to cloud
- Monitor and cutover

Design and implementation

- DC and DR Infrastructure
- First landing zone design and setup
- Infrastructure design for application migration
- Enterprise connectivity design and implementation
- Migration of VMs to containers
- First workload migration
- Design and implementation of high availability (HA) and resiliency
- Hybrid cloud architecture

Backup and disaster recovery

- Expansion of business continuity scenarios
- Business continuity planning
- Cloud backup and disaster recovery (DR) design and implementation based on recovery point objective (RPO) and recovery time objective (RTO)
- Backup and DR implementation
- DR drills
- Design and implementation of policies around data ageing and archival

Notable projects

Leading healthcare provider

We designed, built and implemented high-availability infrastructure for a client on Azure. We integrated Commvault backup with Azure infrastructure as a service (IaaS) and platform as a service (PaaS). We configured Azure Security and Audit for all resources, automated infrastructure provisioning using Terraform and configured HA/scaling using Azure VM sets.

Leading insurance provider

We designed, built and implemented high-availability cloud infrastructure for a leading insurance provider. We automated infrastructure provisioning using Azure blueprints and Ansible. We designed and implemented backup procedures, set up monitoring and logging with alerts and notifications, and implemented the cloud infrastructure as a code.

Leading US conglomerate

We worked with a leading US conglomerate for the migration of SAP workloads to Azure cloud. We designed, built and implemented high-availability SAP infrastructure on Azure. We also used Azure functions to automate snapshot-based backup for SAP applications and HANA.

Managed services

Core infrastructure operations

Deployment

• Dev-test proofs of concept (POCs)
• Application performance testing
• Auto-scale design and deployment
• Deployment automation
• Self-service and administration

Planning and optimization

• Usage and spend analytics
• Usage forecasting
• Tagging and audit trail
• Capacity planning
• Resource optimization

Operational support

• Uptime and incident management
• IT service management
• Monitoring
• Consumption report
• Service improvement

Select credentials

• Cloud-managed services for a textile exporter
• Cloud-managed services for a UN agency
• Azure infrastructure services for a Government project
• Azure infrastructure and platform services for multiple Government projects
• Cloud-managed services for a leading healthcare chain

PwC provides end-to-end management of the environment spanning fully cloud-based or hybrid scenarios. We can extend our governance frameworks to manage the entire lifecycle of the resources along with business continuity and security frameworks.

Services

• Cloud operating model
• Cloud automation and DevOps
• Cloud governance services
• Cloud operational key performance indicator (KPI) definition
• Cloud service delivery model
• Cloud program management
• Cloud change management and training
• Value/benefit realisation
• Cloud optimisation

About PwC

At PwC, our purpose is to build trust in society and solve important problems. We're a network of firms in 155 countries with over 284,000 people who are committed to delivering quality in assurance, advisory and tax services. PwC refers to the PwC network and/or one or more of its member firms, each of which is a separate legal entity. Please see www.pwc.com/structure for further details.

Find out more about PwC India and tell us what matters to you by visiting us at www.pwc.in

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