FourD

Azure
Cloud Migration Framework

Azure Cloud Migration Framework Steps:

An organization's cloud adoption effort should support its long-term strategic goals for its cloud journey. You must decide if you are planning to just migrate your on-premises workload to the cloud or if you want to build new services or products in the cloud.

Cloud adoption is successful as a result of properly trained people doing the appropriate work, aligned with clearly defined business goals, and in a well-managed environment.

The Microsoft Cloud Adoption Framework for Azure provides guidance on integrating cloud-based technology and business strategies. Azure's framework breaks down the cloud adoption journey into various methodologies that include strategizing, planning, getting ready, governance, and more.

- Defining A Strategy
- Devising A Plan
- Getting Ready
- Adopting
- Azure Governance
- Azure Cloud Management
- Azure Cloud Security
- Organizational Alignment

Defining A Strategy

- Enterprises must begin by defining their business strategy in a style that is both clear to cloud technicians and appealing to business stakeholders

- Organizations must understand their reasons for moving to the cloud, including both financial and technical factors. Then, using this information, construct a business case.

- The environment scope, financial baseline, on-premises expenses in the on-prem scenario, and on-premises costs in an Azure scenario are all critical aspects of a business case. It also includes a migration timeline and the cost of migrating to Azure.

Devising A Plan

- An Azure Cloud Migration plan is important to convert the aspirational goals of a cloud adoption strategy into an actionable plan.

- It helps organizations to move from traditional approaches to modern and agile approaches.

- Business must ensure that all key prerequisites are in place before developing an Azure cloud migration plan.

- Establish an initial adoption backlog by prioritizing your first ten workloads.

- Determine which assets are required to support the workloads that have been prioritized. To migrate or innovate, fine-tune your adoption path options.

Getting Ready for Azure Cloud Migration

- Before you can start migrating workloads to Azure, you must first construct an Azure landing zone.

- This Azure landing zone is pre-programmed in code and can be utilized to develop in the cloud or migrate workloads to it.

- To facilitate cloud migration, businesses should establish a suitable operational model.

Azure Migration

When migration is a top priority, early in the process, strategy and planning are critical.

All participants in the migration process should be aware of their motivations in order to make better decisions.

Assessing workloads, deploying workloads, and releasing workloads are the three steps involved in the Azure cloud migration process for each workload.

To help the team understand and anticipate potential learning curves related to cloud adoption, organizations should install the first workload concurrently with planning efforts.

Governing The Cloud Migration

- Azure Governance is a set of procedures and processes that help you keep control of your Azure applications and resources.

- Cloud governance aids in the establishment of the necessary structure for requesting and accessing Microsoft Azure cloud resources with ease.

- The purpose of Azure governance is to improve data security, control risk, and ensure that cloud systems run smoothly.

Azure Cloud Management

- Azure features several services and tools that work in tandem to give comprehensive management.

- These services are available not only for Azure resources but also for resources in other clouds and on-premises.

- The actions and processes required to maintain your business applications and the resources that support them are referred to as Azure Cloud Management.

- IT pros can handle those dynamic and scalable computing environments with the help of a well-designed Azure cloud management plan.

- Secure access to data and policy adherence, and monitoring at all levels of the migration are all important aspects of Azure cloud management. All of them are done in the most cost-effective manner possible.

Azure Cloud Security

- Cloud security, like Azure Cloud adaptation, is a continuous path of incremental improvement and maturity.

- Scalable, Secure by Design, and Accounts for Governance are all characteristics of a successful security function.

- It isn't a fixed goal and has the objective of reducing organizational risk by recognizing, responding to, and recovering from active attacks on corporate assets.

- Permissions and identities are thoroughly understood and controlled. Standing access is never permitted. Infrastructure as Code can be used to implement this.

- Access control, security operations, asset protection, security governance, and innovation security are the most critical security disciplines in the Azure Cloud Migration framework.

Organizational Alignment

- The correct organizational structures must be established and maintained for successful cloud adoption.

- In a well-managed environment, people's work should be aligned with clearly defined company goals.

- Without well-organized or experienced employees performing relevant types of work, cloud adoption will be impossible.

- For a successful Azure cloud migration, IT and Finance must explicitly coordinate their cloud cost management.

- To avoid splurges in cloud expenditure, IT teams may share the reporting they're already getting regarding real-time changes in predicted cloud consumption.