Data Center Migration

Companies are dealing with **rising costs and increasing demands on the data center**, and the need for resources to help them develop and implement cloud strategies is becoming a "must have" to achieve **greater IT agility**.

Cloud assessments and migrations vary in **scale**, **duration**, **cost**, and **complexity**, and **can be customized** to meet the needs of every customer.

A **data center migration** is the transfer of certain assets from one data center location to another, it's also known as a data center relocation.

There are a variety of reasons why an organization might need to relocate a data center, including corporate growth, company merger, legal demands, or simply changing offices or moving to the cloud; every data center project is going to be different, and so will require a **different plan**.

Agic Cloud leverages all the technologies offered by the Microsoft platform and provides a solution that offers:

- **Support** and **guide** for the entire **Cloud Adoption Journey** of an organization

- The **most secure and suitable tools to ensure the best possible experience in the migration path**, reducing the risk of downtime and second thoughts, helping to reap from the beginning the benefits that the Cloud actually offers

- **Processes**, **procedures**, **tools** to assist the company in the phases of evaluation, organization, prioritization, up to the actual migration of existing workloads to the Cloud including the **Release of Skills to the IT department** so that the organization can proceed independently

Microsoft
Solutions Partner

Microsoft Cloud

Data Center Migration | Microsoft

Azure is the most trusted cloud to modernize business-critical applications

> Business agility and resilience

> Security and Compliance

> Cost savings

> Innovation in all aspects and for every activity, through Microsoft Cloud

Thanks to Azure's 3rd party partnerships there is a solution for every need

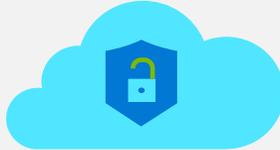# Data Center Migration | Benefit

Migrate to the Cloud to get

Leverage all Cloud services to get

Cost savings and optimization

Unlimited scalability to handle peak loads
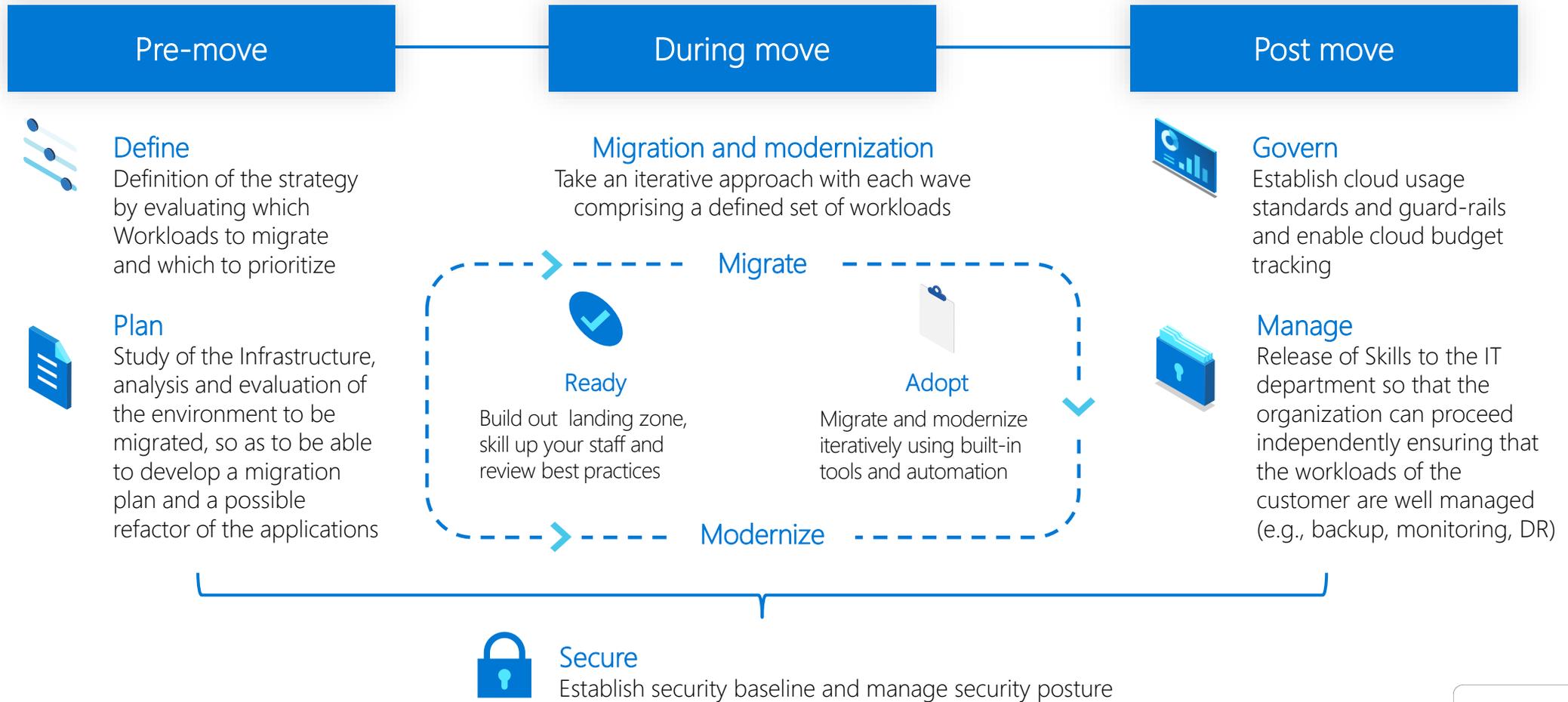
Excellent performance, greater Security guarantees and Infrastructure Resilience

Data Center Migration | Cloud Migration Journey (5 Weeks*)

Pre-move

During move

Post move

Define
Definition of the strategy by evaluating which Workloads to migrate and which to prioritize

Plan
Study of the Infrastructure, analysis and evaluation of the environment to be migrated, so as to be able to develop a migration plan and a possible refactor of the applications

Migration and modernization
Take an iterative approach with each wave comprising a defined set of workloads

Migrate

Ready
Build out landing zone, skill up your staff and review best practices

Adopt
Migrate and modernize iteratively using built-in tools and automation

Modernize

Govern
Establish cloud usage standards and guard-rails and enable cloud budget tracking

Manage
Release of Skills to the IT department so that the organization can proceed independently ensuring that the workloads of the customer are well managed (e.g., backup, monitoring, DR)

Secure
Establish security baseline and manage security posture

The duration of the project may change based on the size of the data center to be migrated, it will be established in the initial estimation phase

AGIC Cloud

Microsoft Solutions Partner
Microsoft Cloud

Data Center Migration | Main types of migration

Rehost

Often referred to as "**lift and shift**" migration, this no-code option allows you to quickly migrate existing applications to Azure. Every application is migrated as-is, which gives you the benefits of the cloud without the risk or cost of making code changes, and you can leverage **SQL Server in Azure Virtual Machines**, Microsoft's infrastructure as a service (IaaS) product, to achieve this.

Refactor

Often referred to as a repackage, this cloud migration strategy involves some changes to the application design, but no wholesale changes to the application code. Your application can take advantage of **Infrastructure as a Service (IaaS)** and **Platform as a Service (PaaS)** products, such as **Azure App Service**, **Azure SQL Managed Instance**, and containers.

Rearchitect

Modify or extend your application's code base **to scale and optimize** it for the cloud. Modernize your app into a resilient, highly scalable, and independently deployable architecture, and use **Azure SQL Database**, Microsoft's platform as a service (PaaS) offering, to accelerate the process, scale applications with confidence, and manage apps with ease.

Rebuild

Rebuild an application from scratch using cloud-native technologies. Azure Platform as a Service (PaaS) provides a complete development and deployment environment in the cloud, without the expense and complexity of software licensing, the need for an underlying application infrastructure or middleware and other resources. With this cloud migration strategy, you manage the applications and services you develop, and **Azure** handles the rest.