



# Cloud Migration Strategy

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Taking the decision to migrate to the Cloud is not just a technology or IT transition, but it's a whole business transformation. This is an opportunity to create new efficiencies and capabilities that will help businesses edge over their competitors. Cloud is acting as an enabler for companies to go global, modernize the business, launch new products, and enhance the setup in no time. The true benefits of Cloud is its ability to increase business agility, improve staff performance, and boost operational resilience.

## CLOUD MIGRATION STRATEGY

### The Migration Approach

We understand that each and every migration is different, it can vary in scope and complexity ranging from the transfer of several data points across applications to large scale migration efforts across multiple data centres. But while helping many organizations of different industries and geographies to migrate, we can say that the common approach suits them all. So, there are 6 common strategies for migration and the whole process is categorized into three phases - assess, decide, and transform

# Assess and Recommend

The first thing that a cloud solution provider do is to analyse the on-premises footprints (Virtual Machines, Storage, Networks, etc.) and perform the deep application portfolio assessment to prepare a migration roadmap. The assessment part can be done by the business or the cloud solutions provider, in either way the process remains the same. The process includes few steps as

**Step 1:**  
**Identify the reason for migrating to the cloud. The most popular reasons are:**

- Cost Reduction
- Scalability
- High Availability
- Resiliency
- Transformation

**Step 2:**  
**Assess the existing applications and workload based on:**

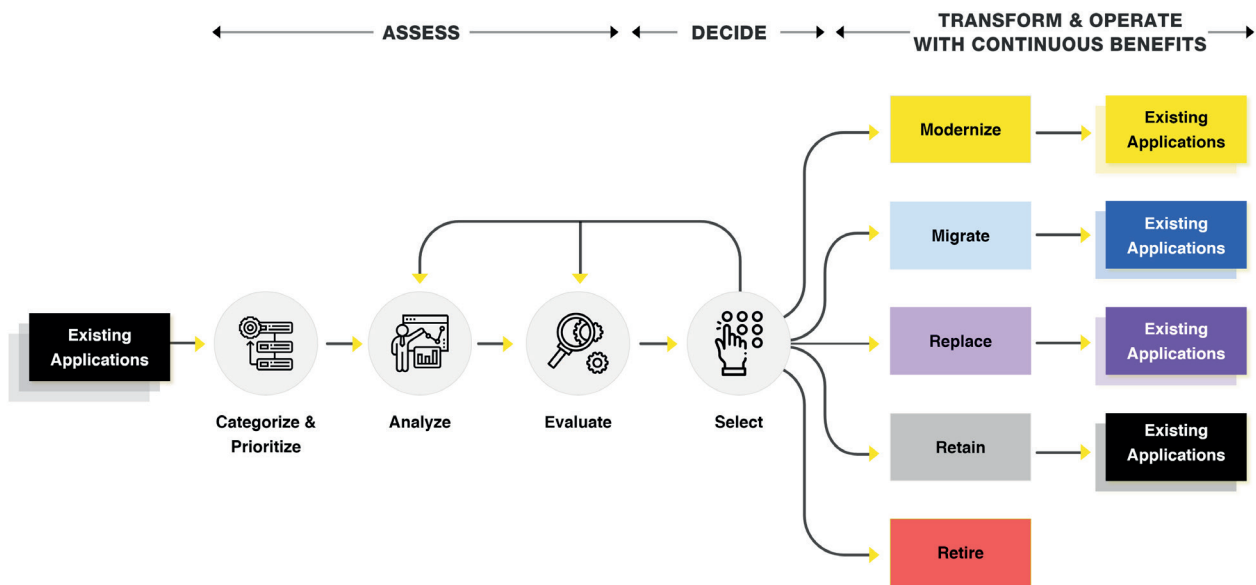
- The existing architecture including network/storage topology
- Build application inventory and validate dependencies
- Security and compliance issues and requirements
- Risk Identification, analysis & mitigation
- Technical & Business complexity

**Step 3: Recommend optimization path for workloads and cost modelling**

## Decide and Design

The assessment report will be really helpful to decide:

- The part of the application that is Cloud ready and can be migrated and which part is not Cloud ready.
- The Cloud service provider (AWS, Azure, GCP, or other) that we shall select for migration. The option may include single cloud, hybrid cloud, or multi cloud to realize maximum benefits.
- The Cloud computing service model (IaaS, PaaS, or SaaS) that we shall select.
- Select the part of the application that we can re-host, re-platform, re-factor, retain, re-purchase or retire.



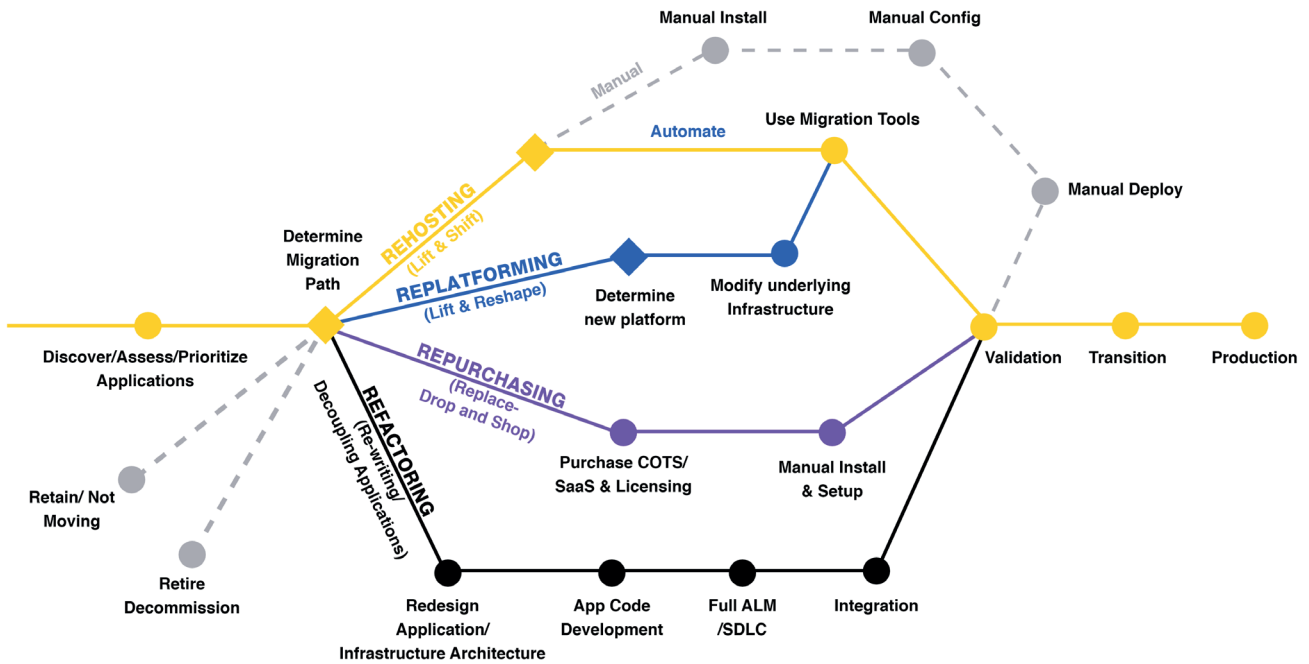
Migration may seem simple, but it can't be undertaken without a clear structure for execution and a plan that is aligned across all stakeholders and groups. Few documents that are created within this period are:

- Prepare Solutions Architect documents
- Decide the migration approach. The most common approaches are:
  - The lift and shift approach
  - Refactoring
  - The strangler pattern
  - Re-platforming
- Finalize the migration timeline
- Create the implementation plan
- List the benefits of Cloud Migration

## Transform

The next step is to transform and migrate the workloads / part of the application as decided in the previous steps. It is commonly known as 6 R's of Cloud Migration.

- **Rehost** (lift-and-shift) applications to the Cloud environment.
- **Re-platform** (lift-tinker-and-shift) applications that needs some optimization without changing the core architecture of application.
- **Re-Purchase** (drop-and-shop) legacy applications or current version with a cloud-native ones or a newer version.
- **Re-factor** (re-architecting) or modernize application to add or enhance capabilities. This is often done with serverless, microservices, containers, and DevOps (CI/CD)
- **Retain** applications on-premises and make them ready for future migrations.
- **Retire**, decommission, or archive unneeded part of the legacy applications.



## Challenges

Some of the challenges that are faced during the migration process are:

- Understanding and mapping the dependencies, and retaining the integrity of the application.
- Understanding the client’s unique exposures to risk and risk tolerance.
- Don’t break the home grown tools that some business units may be using.

## Business Factors for Cloud Adoption

Here is the list of the most prevalent business drivers for Cloud adoption and migration:

- Cost reduction is the most common motivator.
- Flexible architecture approves business agility.
- End of life/support of the on-premises hardware/software.
- Business transformation to drive growth and accelerate innovation.
- Scalable, highly available and global infrastructure.
- Best utilize modern technologies including Data Analysis, AI, ML and IoT.

## The Successive’s Advantage

- We have a team of experts that will help you easily migrate to the Cloud.
- Our partnerships with cloud service providers and deep knowledge of third-party tools allow us to choose the right platform and approach.
- We are passionate technology enthusiasts and we understand the implications.
- Migrating to the cloud is just one component of our end-to-end cloud services.

# Get in Touch

We'd love to help you start exceeding your business goals



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