CLOUD MIGRATION

Being 100% available is one of the prerequisites of modern businesses. The Cloud provides cutting-edge tools and technologies that can take your business to the next level, without a lot of investment. Finding the right migration strategy is imperative to a successful move to the Cloud.

CLOUDLEAF
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Cloud migration need not be a complex process, provided it is built on a strong Cloud strategy, right objectives and a clear roadmap. With proper planning and investment in right tools, companies can reap the benefits of the Cloud quickly and effectively.

CloudLeaf helps companies with Cloud adaptation, migration strategy, and execution. We help to build an agile and highly resilient Cloud operating model with an accelerated Cloud migration strategy.

Cloud Migration – Key Considerations

Moving to the Cloud is no longer a choice – it is a basic requirement for most businesses today. The question now lies in "how to migrate" and "which Cloud" rather than "why migrate." Cloud computing is at the forefront of a digital business strategy with companies investing in generative AI, metaverse and Web3. Emerging technologies help companies to stay more in touch with their customers, creating personalised products and services quickly and easily. Cloud infrastructure and platforms are the best enablers to meet the growing demand for super-fast compute and unlimited storage power.

However, integrating these advanced technologies into existing architecture will not assure ROI. It is important to look at the challenges in the present infrastructure, potential risks, and other complexities before starting the migration journey. The better the planning, the quicker will be the ROI and lower the risk.
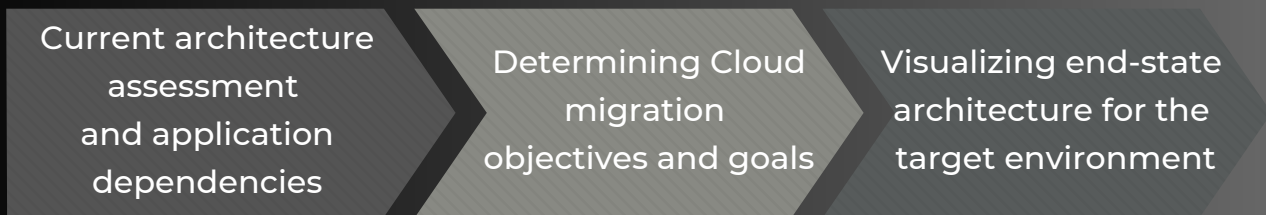
Cloud Migration – Challenges

- Complex current architecture

- Quality of the migration strategy

- Lack of complete visibility on infrastructure ecosystem

- Application adaptability challenges

- Application dependencies

- Network dependencies

- License management

- Data security and compliance risks

The path to successful Cloud migration

CloudLeaf formulates fail-proof, customized Cloud migration frameworks to make your Cloud journey successful and least disruptive to your existing operations. Our framework design starts with evaluation of your existing technology landscape and your Cloud goals.

Current architecture assessment and application dependencies ➤ Determining Cloud migration objectives and goals ➤ Visualizing end-state architecture for the target environment

Once we deduce where you are and where you want to be, we then start creating the migration plan in detail. We analyse each application, workflow, its dependencies, and its current platform to determine:

- Which is the best suited Cloud environment (public/private)
- Are the workloads Cloud-ready?
- What are the interdependencies of the application?
- What are the key security considerations?
- What are the data and service requirements and underlying technologies
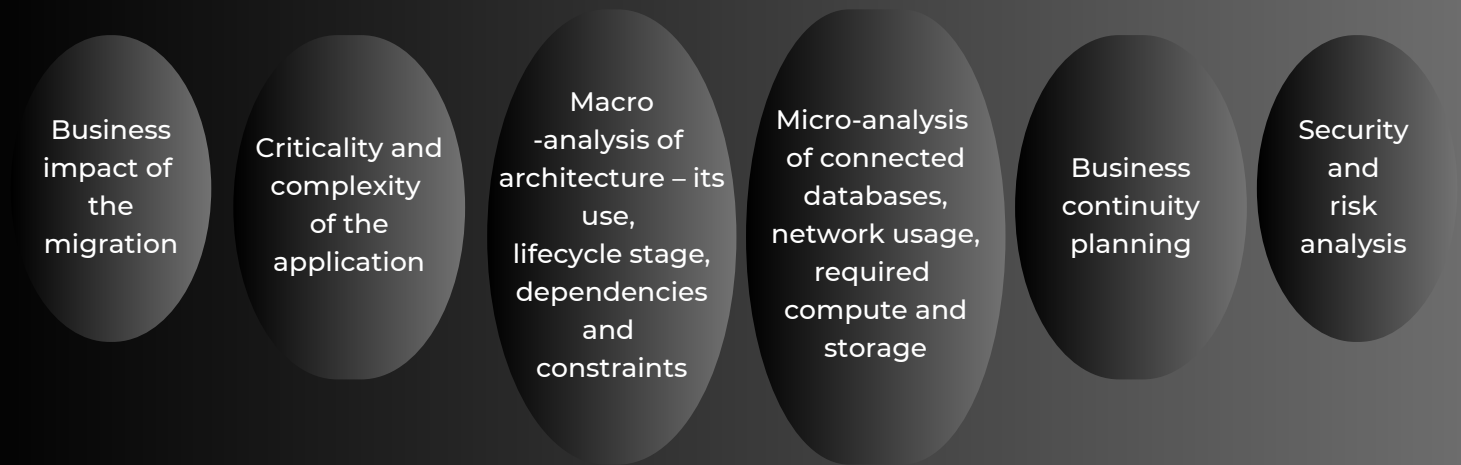
After a detailed analysis of these aspects, we then ascertain the best migration strategy: rehost (lift-and-shift) or refactor or rebuild or retain or retire. This stage is crucial to the success of the migration.
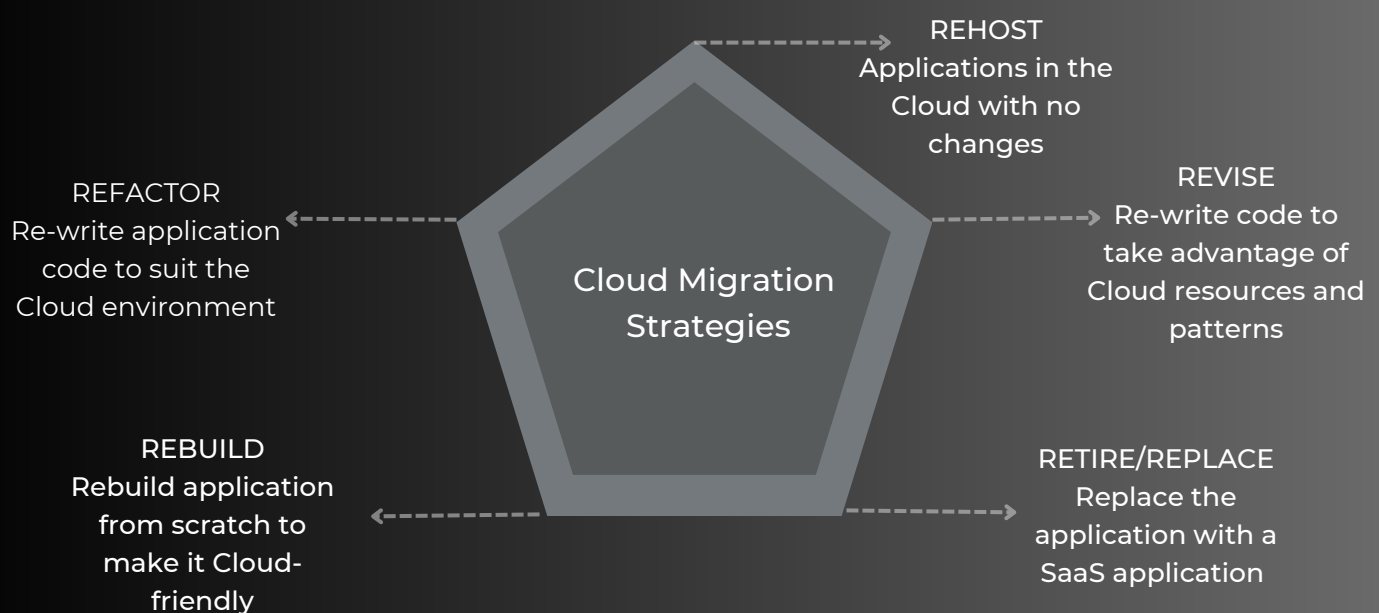
CloudLeaf's 4-step Cloud Migration Strategy

Plan

- Assessing current infrastructure in terms of security, automation, scalability, disaster recovery.

- Determining the reasons for the migration

- Auditing of the application in terms of potential issues, optimal use, and dependencies

- Calculating Cloud server requirements

Choose

- Choosing the workloads and applications that will benefit in the Cloud.

- Zoning in on the right Cloud model among Public, Private, Multi and Hybrid Clouds.

- Using pricing calculators to determine the cost of the migration before making the move.

- Using existing resources and managing requirements for creating a support Cloud architecture.

Migrate

- Determining the type of migration – Rehosting, Replatforming, Repurchasing, Refactoring, Retiring or Retaining.

- Utilizing tools provided by Cloud service providers to make the migration of workloads, applications, databases etc. easy and efficient

- Tracking the progress of the migration.

Review

- Staging and testing the new environment for functionality and operational efficiency.

- Auditing applications' performance after the migration.

- Checking whether the data is secure, optimized and easily retrieved.

- Monitoring real-time changes to critical infrastructure.

- Predicting workload contentions.

Ensuring Success of the Migration:

At CloudLeaf, our objective is not to move your workloads or applications to the Cloud. Our aim is to help you gain the benefits from your Cloud investments. In order to ensure the success of your Cloud migration, we follow a checklist of parameters that can be crucial to the migration journey:

- Business impact of the migration
- Criticality and complexity of the application
- Macro-analysis of architecture – its use, lifecycle stage, dependencies and constraints
- Micro-analysis of connected databases, network usage, required compute and storage
- Business continuity planning
- Security and risk analysis

In the migration phase, the first step is building your target environment on the Cloud. Using Cloud provider's tools and our best practices, we start the migration for each workload or application. Depending on whether we are rehosting on-premise workloads, or refactoring or re-platforming, we use a sprint approach with roles and standard operating procedures to make sure that the applications perform exactly or better in the Cloud. With a detailed migration calendar and detailed execution, we anticipate and prepare for any downtimes or potential roadblocks on the way.

Cloud Migration Strategies

REHOST
Applications in the Cloud with no changes

REVISE
Re-write code to take advantage of Cloud resources and patterns

REFACTOR
Re-write application code to suit the Cloud environment

RETIRE/REPLACE
Replace the application with a SaaS application

REBUILD
Rebuild application from scratch to make it Cloud-friendly

Cloud Migration Services from CloudLeaf

APPLICATION MIGRATION

DATABASE MIGRATION

PLATFORM MIGRATION

INFRASTRUCTURE MIGRATION

Why CloudLeaf?

- CloudLeaf is an AWS, Google, Oracle and, Azure partner
- We offer end-to-end comprehensive support at every stage of the migration
- Our support includes monitoring and management
- We enable multi-cloud and hybrid Cloud solutions to gain maximum benefits
- We assure complete transparency and a seamless customer on-boarding support
- We have hands on, enlightened leadership, program, and project management
- We follow ITSM Industry Standard Processes
- We offer flexible pricing and custom support models as per clients' requirements
- We have trained and certified consultants

CLOUD LEAF

Are you ready for the future?
We will help you get there faster!

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