

# 5 Steps for Successful Cloud Migration



Embracing Cloud technology is driven by a goal to unlock improved flexibility, scalability, and cost-efficiency, freeing up resources for strategic initiatives. Successfully migrating to the cloud provides swift access to cutting-edge technologies and eases the load on IT teams.

However, the key to leveraging the cloud's full potential lies in thorough preparation. This entails conducting a business case analysis, assessing cloud readiness, and formulating a migration plan that aligns with your business goals before the actual migration takes place.

## Cloud Migration Checklist



### 1

#### Cloud Program Readiness

- ▶ **Quantified business impact:** Your business team needs to identify and quantify the possible positive impact of the cloud on the business in terms of:
  - Transition from CapEx to OpEx
  - Accelerated deployment
  - Cost reduction
  - Enhanced scalability, and more
- ▶ **Clearly defined goals:** It's crucial to define clear goals to guide the team, ensuring commitment and a point of reference for critical choices throughout the cloud evaluation and integration stages..
- ▶ **TCO and business justification:** Create a robust justification by contrasting cloud-based application expenses with those of in-house or conventional hosting setups.
- ▶ **Well-specified projected outcomes:** Essential for the precise evaluation of your cloud initiative's success.
- ▶ **Cloud CoE:** Dedicated to steering the corporate shift during cloud transition. This hub embeds top practices for infrastructures, databases, and utilities, champions evolution, and promotes a shift towards an innovative ethos.
- ▶ **Teams for change oversight and messaging:** Crucial for the smooth transition to novel technologies and workflows.

## 2

**Migration Project Readiness**

- ▶ **Assessment:** This foundational process encompasses organizational readiness, application discovery, and assessments to glean actionable insights. These insights are crucial for integrating cloud computing into strategic business and IT agendas.
- ▶ **Roadmap:** Develop the cloud adoption roadmap with thorough planning, identifying which workloads to migrate, the appropriate cloud platforms, and the timeline for the transition.
- ▶ **Process Definition:** Standardize the migration process using tool-driven methodologies to transfer workloads to the selected cloud infrastructure.

## 3

**Resource Readiness**

- ▶ **People & Skills:** Evaluate the necessary business and technical skillsets required for migration. Any deficit in knowledge and skills can hinder efficient cloud integration.
- ▶ **Budgeting:** Grasp the full impact of cloud integration on operations and business practices. Prepare and allocate funds for extra software licenses and management tools essential for supporting cloud adoption.
- ▶ **Utilization of tools and templates:** Collaborate with IT and engineering to navigate technical requirements, devise optimal migration strategies, and manage downtime.
- ▶ **Financial planning:** Partner with finance to forecast long-term budgeting and secure funding throughout the project lifecycle.

## 4

**Application Readiness**

- ▶ Classify and tag applications, noting interdependencies and complexities. This forms the basis for a tailored migration strategy and leads to informed go/no-go decisions, helping prioritize the migration steps.
- ▶ Ensure applications and their dependencies, including third-party services and middleware, are cloud-compatible.
- ▶ Verify application licenses for cloud migration.
- ▶ Confirm application versions are cloud-compatible.
- ▶ Engage subject matter experts (SMEs) for guidance.
- ▶ Arrange functional testing to validate applications in the cloud.
- ▶ Address any business, system integration, or third-party dependencies.

## 5

**Technical Readiness**

- ▶ Address compliance, security, and privacy issues as dictated by external regulations and internal policies. Assess data storage, processing limitations, and necessary security features, and draft robust post-migration security policies.
- ▶ Conduct an infrastructure risk assessment, considering opportunity costs.
- ▶ Identify compliance requirements specific to industry regulators.
- ▶ Plan for infrastructure security, data governance, and resource usage in the cloud.
- ▶ Implement application testing plans for early problem detection and strategic pivoting.
- ▶ Develop installation scripts to facilitate CI/CD pipeline construction.

To learn more, download the Infocepts [Cloud Roadmap for Analytics \(CRA\)](#) for an in-depth exploration of the WHY, WHAT, WHERE, WHEN, and HOW of transitioning your data analytics applications to the cloud.



For more details, visit [infocepts.ai](https://infocepts.ai)

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