

# Prepare and Plan for your AWS Migration

Your simple guide to Cloud Transformation

“The last ten years of IT have been about changing the way people work. The next ten years of IT will be about transforming your business.”

**Aaron Levie, BOX**

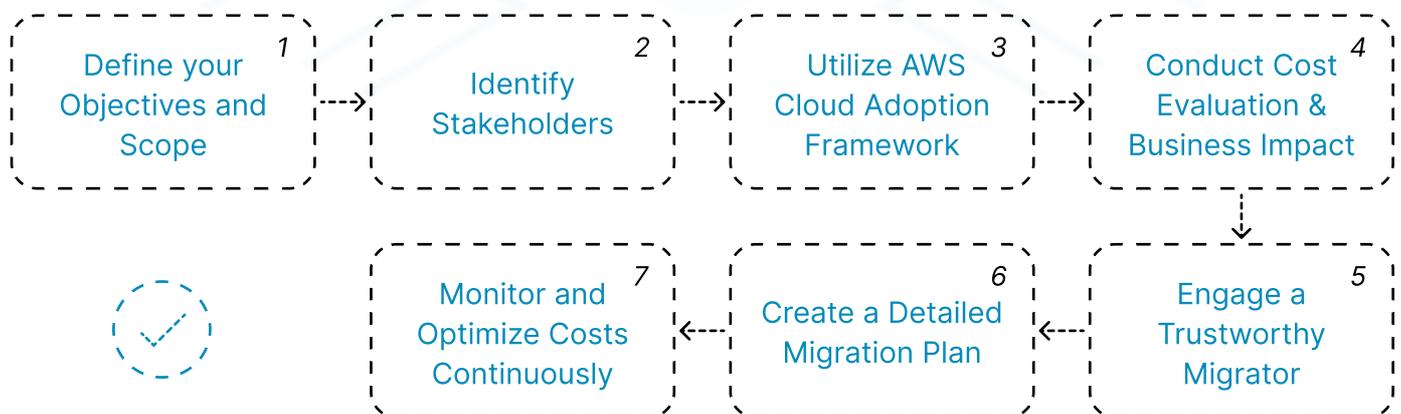
## Introduction

In an era where agility and scalability reign supreme, embracing AWS cloud migration is not just a technical shift; it's a strategic imperative. The ability to harness the power of AWS services can propel businesses toward unparalleled heights, unleashing newfound potential and efficiency. From enhancing security postures to optimizing costs, every facet of migration contributes to a future-ready and resilient organizational framework.

### Key Considerations:

- **Security:** Prioritizing the safeguarding of data and applications throughout the migration process.
- **Cost Optimization:** Strategically managing resources to ensure financial efficiency and sustainability.
- **Third-Party Expertise:** The choice of a trusted partner, like N3Cloud, can elevate the migration experience, offering expertise and guidance.

### THE SIMPLE-STEPS TO CLOUD TRANSFORMATION





## Define Objectives and Scope

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Before embarking on an AWS cloud migration journey, it's imperative to establish clear objectives and define the scope of the project. This initial step lays the foundation for a successful migration strategy, encompassing aspects such as security, cost, and the involvement of third-party expertise.

- Clearly articulate migration objectives, outlining what you aim to achieve through the transition to AWS.
- Identify the scope by determining which applications, data, and processes are to be migrated.
- Establish specific security and compliance requirements, keeping in mind organizational policies and industry standards.
- Set a realistic budget and financial constraints to guide the overall migration process.

## Identify Stakeholders

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Pinpoint stakeholders impacted by the project:

1. Group Involvement: Identify involved groups and designate project leaders for streamlined coordination.
2. Departmental Collaboration: Engage with each department to understand app usage, business needs, and specific requirements.
3. Dependency Mapping: Utilize AWS Application Discovery Service for effective dependency mapping.

## Utilize AWS Cloud Adoption Framework

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Utilize the [AWS CAF](#) for a smooth transition:

1. Migration Readiness & Planning (MRP): Utilize MRP for tools, processes, and best practices in enterprise preparation.
2. Migration Readiness Assessment (MRA): Conduct MRA to identify gaps and receive recommendations for a well-prepared migration foundation.



## Conduct Cost Evaluation and Business Impact

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Another thing to do before embarking on a cloud migration journey, is a thorough assessment of costs and potential business impacts. A comprehensive evaluation involves:

### Cost Calculation:

1. Direct Costs: Software licenses, maintenance contracts.
2. Indirect Costs: Downtime, running two environments during migration.
3. Post-migration Costs: Integration, testing, training.
4. Re-architecting Costs: Based on cloud readiness assessment.

### Business Impact Analysis (BIA):

1. Revenue Generation: Assess the impact on revenue.
2. Customer-Facing: Potential increase in customer access.
3. Availability and Response Time: Evaluate improvements in user satisfaction.
4. Delivery Time for Enhancements: Consider shorter timelines.
5. Regulatory Compliance: Assess the impact on meeting requirements.

### Mitigating Risks:

- Cost of Downtime: Evaluate potential costs during migration.

A meticulous approach to these factors ensures a well-informed decision-making process for a successful cloud migration.

## Engage a Trustworthy Third-Party Organization

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### - N3Cloud

Collaborating with a reputable third-party organization can significantly streamline the migration process, especially when expertise and experience are paramount. N3Cloud, recognized for its proficiency in cloud migrations and beyond, stands out as an ideal partner to navigate the complexities and ensure a smooth transition.

- Thoroughly vet potential partners, ensuring they possess the necessary experience in AWS migrations.
- N3Cloud's proven track record in successfully executing cloud projects instills confidence in their capabilities.
- Review customer testimonials and case studies to gauge client satisfaction and project outcomes.
- Certifications and partnerships with AWS showcase N3Cloud's commitment to excellence and adherence to industry standards.





Most Effort

Refactor

Replatform

Repurchase

Rehost

Relocate

Retain

Retire

Least Effort

## Create a Detailed Migration Plan

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Creating a detailed migration plan is a critical step in ensuring a seamless and successful transition of your workload to the cloud. A well-structured migration plan provides a roadmap for the entire migration process, helping you mitigate risks, minimize disruptions, and optimize resource utilization. Common migration paths encompass:

### The 7R's in AWS Migration Strategies:

1. Refactor: Re-imagine your application with cloud-native capabilities.
2. Replatform: Make minor changes without altering the core architecture.
3. Repurchase: Transition from perpetual licenses to Software-as-a-Service (SaaS).
4. Rehost: Move the workload to the cloud without significant changes.
5. Relocate: Move applications without modifications (lift & shift).
6. Retain (aka "re-visit"): Delay migration for applications requiring major refactoring.
7. Retire: Remove applications that are no longer needed.

## Monitor and Optimize Costs Continuously

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Cost monitoring and optimization are ongoing processes integral to a successful AWS migration. Implementing effective cost management tools, coupled with regular reviews and adjustments, ensures that the financial aspect remains aligned with the budget and overall organizational goals.

- Implement cost monitoring tools to track expenses throughout and after migration.
- Optimize resource utilization by using AWS cost management features.
- Regularly review the cloud architecture, adjusting resources based on changing requirements.
- Foster a culture of cost consciousness within the organization to maximize the benefits of cloud adoption.



## Conclusion

In summary, a well-executed AWS cloud migration requires careful consideration of various factors, including security, cost, and the decision to engage a third-party partner. By defining clear objectives, conducting a thorough assessment, selecting the right AWS services, and implementing robust security measures, organizations can set the stage for a successful migration.

Partnering with a trustworthy organization like N3Cloud adds a layer of expertise, ensuring a smooth transition to the cloud. N3Cloud's experience and commitment to AWS excellence make them a reliable ally throughout the migration journey.

Creating a detailed migration plan, understanding the 7R's in AWS migration strategies, and continuously monitoring and optimizing costs contribute to a holistic approach. This not only mitigates risks but also maximizes the benefits of AWS cloud adoption, enabling organizations to scale, innovate, and thrive in the dynamic landscape of cloud computing.

## Embark on Your Cloud Transformation with N3Cloud

As you navigate the complexities of cloud migration, consider partnering with N3Cloud to elevate your journey to new heights. With a commitment to excellence and a track record of successful AWS projects, N3Cloud stands as your trusted ally in the realm of cloud transformation.

For inquiries and consultations, reach out to N3Cloud here:

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