



# HOW DO I MIGRATE TO THE CLOUD?

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01 | CONSULT

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02 | ASSESS+PLAN

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03 | LAND/BUILD

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04 | MIGRATE

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05 | OPTIMIZE

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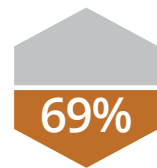
# LIGHTSTREAM'S 5 STEP APPROACH FOR MIGRATING TO THE CLOUD

The cloud has been around for years. While many organizations have slowly transitioned to the cloud, many more are still weighing the costs and benefits of migrating and evaluating if it's the right decision for their organization.

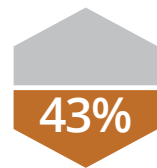
If you're unsure about migrating to the cloud, there are a few things to consider. First, most companies who have made the move to the cloud did it to modernize their legacy systems and infrastructure, drive business transformation, and be more agile in responding to the ever-changing needs of their employees and customers. As a result, they've seen cost savings and more operational efficiency.

## Facts & Stats

Businesses that move to the cloud reap many benefits—from decreased downtime to increased efficiency and everything in between.



Reduction in unplanned downtime.<sup>1</sup>



Reduction in annual security incidents.<sup>1</sup>



Infrastructure cost savings.<sup>1</sup>

With so many gained efficiencies, cost savings, and operational innovations, there are quite a few reasons to migrate to the cloud. But successful migrations take work, and they require planning and expertise. Let's dive into how you will actually begin your migration to the cloud (and enjoy all those cloud-native benefits).

## How Do I Move to the Cloud?

There are a couple of options when you're ready to move to the cloud, whether you choose to do it on your own using one of the strategies from the [7 Rs](#), or hire a partner (yes, we're an AWS and Microsoft certified partner). We want you to have a successful migration, so we provide assessment tools to help determine your cloud readiness. We also offer a plethora of tools to ensure your success, so be sure to take full advantage of those.

Our approach breaks down your migration process into five chunks—consult, assess+plan, land/build, migrate, and optimize.

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### 1 Consult

- Cloud adoption readiness report
- Migration readiness assessment
- TCO — Rapid
- Financial discovery
- Define workload scope (up to 5)
- Prototype / PoC

### 2 Assess+Plan

- Workloads / Applications
- Security / Compliance
- Risk
- People
- Platform/Ops
- Automation/Pipelines
- Short and long-term plans

### 3 Land/Build

- Landing zone
- Security controls — guardrails (Governance)
- Operations (IaC)
- Compliance reporting

### 4 Migrate

- Rehost / Replatform
- Migrate workloads
- Testing
- Pen and security testing
- Go Live

### 5 Optimize

- Managed services
- Rightsizing
- Savings plans
- Refactor
- Replatform
- Modernize

Once you get to the Assess+Plan phase of this approach, consider the 7 Rs to determine which method will help you migrate in a way that makes the most sense for your organization.

They include:

1. Refactoring/Re-architecting
2. Re-platforming
3. Re-purchasing
4. Re-hosting
5. Retaining/Re-visiting
6. Relocating
7. Retiring

### How Do We Use This Approach?

This approach helps you assess your cloud readiness, mobilize your team and come up with a plan, and migrate your applications and systems to the cloud. Let's explore each phase of this approach to better understand the requirements for a successful migration.

#### Consult

Is your organization prepared to move its infrastructure to the cloud? A cloud readiness assessment will help determine if a migration is even feasible and give you a clear idea of what you will migrate—you don't have to migrate everything, and certainly not all at once.

In this stage, you also want to build a business case for migrating. Moving to the cloud isn't necessarily right for everyone, or you may need more information before you can proceed. Building a business case will help you determine if the time's right to make the switch.

The Migration Readiness Assessment (MRA) gives clarity around where you are on your cloud journey and your organization's strengths and weaknesses related to cloud readiness. It also includes an action plan based on the Cloud Adoption Framework. This framework has six tenets—business, people, governance, platform, security, and operations—that give you a more holistic view of the migration and business transformation that will support your successful transition. This is where you'll dive into the total cost of ownership and build the business case to get funding from stakeholders, so it's a crucial first step.

#### Assess+Plan

Once you've made it through your initial assessments and have a thorough understanding of the value of migrating to the cloud, you can move on to the Assess+Plan phase. This is where we perform deep assessments across many areas of the organization and plan what the new environment will look like and how we will get there. These include:

- Detailed business case
- Detailed portfolio discovery
- Application migration
- Migration governance
- Landing zone
- Security, risk, and compliance
- Operations
- People, which includes: skills, culture, change, and leadership

#### Land/Build

Here, you'll build foundational capabilities and hands-on migration experience in the cloud environment. The focus is on automating operations and security, so you can make your migration scalable. It can seem overwhelming, but it's meant to deliver a big impact, like boosting your IT team's migration competency and organizational transformation skills. After completing this phase, you can expect these outcomes:

- Define and automate policies to accommodate operational controls
- Implement a scalable landing zone
- Finalize your cloud operating model

All of this is to build a solid foundation for a successful migration. Once you have that foundation, you're ready to dive into your migration.

#### Migrate

Congratulations, you've made it to the migration! You've done the work to assess where you are and where you want to be, understand the total cost of ownership, and have taken the necessary steps to prepare for a migration. Now it's time to migrate. Remember the processes, tools, resources, and methodologies (7 Rs) you explored in the previous stages and leverage them to migrate. Instead of trying to migrate everything at once, you'll probably want to migrate a small set of applications. But the main goal here is to create a culture of agility and scalability that feeds into the change management process the business will need to enforce.

#### Optimize

Now that you have your workloads running in the Cloud it is time to right size and optimize them. This can be done through utilization monitoring and selecting more appropriate instance sizes and various other rightsizing methods. Also look back at refactoring and replatforming workloads that are now good candidates. Lightstream has a whole team dedicated to helping you get the most out of your cloud budget.

#### Need help?

If you're contemplating migrating your systems, applications, and infrastructure to the cloud but are anxious about where to start, we can help. We've outlined how to migrate but understand it's a big step. We're an AWS Advanced Consulting Partner and work with AWS-certified engineers and architects who have years of experience assisting and driving migrations of all sizes. We can assess your current situation and plan a course of action.

Reach out to get started at [CMS@lightstream.tech](mailto:CMS@lightstream.tech).

## Curiosity to solve the complex drives us

We live in the age of constant business transformation.

The Cloud, Big Data, AI and the Internet-of-Things open limitless possibilities—and even more expectations.

And with those expectations comes unfathomable complexity. Addressing them requires amazing strategy and execution of integrated technologies—all networked to provide greater visibility, predictability and cognition.

Fortunately, we've envisioned this day coming for a while.

We've addressed enterprise complexities of on-premise, in-the-cloud, and all the networks in between. We've offered solutions that drive business transformation. And we've worked to find more ways to help you meet higher expectations.

### **We are Lightstream.**

Our passion to serve customers and our curiosity to solve the complex drives us.

We listen to and work with you to carve a path where vision and execution intersect—enabling new capabilities, driving efficiency, and spurring innovation and growth.

Because when you work with a partner who helps you understand where you can go and how to get there, complexity can be averted and every possibility can be realized.

That's where we live—and that's where we're ready to take you.

### **Complexity Averted. Possibilities Realized.**

**We've helped many public and private organizations to through their cloud journey. For a one-on-one consultation, [email CMS@lightstream.tech](mailto:CMS@lightstream.tech).**