

# Migration 1, 2, 3: Find your path to cloud migration

Executives around the globe are embracing the cloud. According to a recent PwC survey, 92% of business leaders are either “all in” on the cloud or have adopted it into many parts of their business. Still, more work needs to be done, especially when it comes to migrating solutions, tools, and data from old legacy systems into a virtual environment. McKinsey & Company estimates that over the next three years, about \$100 billion will be wasted on inefficient cloud migration-related activities.

Here are some of the challenges around migrating to the cloud — and how Amazon Web Services (AWS) can help.

## The case for migration

Over the next several years, companies will spend billions of dollars migrating to the cloud. More executives are realizing just how much faster and more efficient the cloud can be, but the pandemic has also increased the need for agility, automations, responsiveness, and more. Still, migrating legacy systems to the cloud is not a simple task and many operations run into problems.

### Investments in the cloud

**80% of companies**

aspire to have \$8 out of every \$10 for IT hosting go toward the cloud by 2024

Source: [McKinsey & Company](#)

**\$1 Trillion**

Estimated business value that cloud can unlock

Source: [Deloitte](#)

**30% estimated annual revenue growth**

for cloud market between 2021 and 2025

Source: [McKinsey & Company](#)

### Why companies are choosing AWS + VMware for their cloud migration

Source: [IDC](#)



**76%** ▼

Reduction in unplanned downtime costs

**479%** ▲

Five-year ROI

**18%** ▲

More productive developer teams

**43%** ▼

Lower 5-year cost of operations

**40%** ▲

More efficient IT infrastructure management staff

**18%** ▲

Increase in application performance

## The migration road map

Migration doesn't happen overnight. It's a journey that takes careful planning, a well thought out business case, a cloud-focused company culture, and the right technological solutions. Here are some ways to start migrating to the cloud.

### 6 keys to cloud migration success

Source: [Gartner](#)



**Right Team**



**Right Emphasis**



**Transparent Costs**



**Well-timed Work Effort**



**Thorough App Assessments**



**Thoughtful Landing Zone Design**

## Understand the **7Rs** of cloud migration

### Repurchase

Decommission old applications and replace them with cloud-based versions. It's a first step to migration—the programs will remain on your servers but will now be run virtually.

### Rehost

Also called “lift and shift,” it's when companies move applications from on-premises servers to the public cloud, but without any modifications. While this gets you in the cloud, it's not a full digital transformation.

### Replatform

Some call this the tinker strategy. It's when you move applications almost as they are but make some modifications to take more advantage of the cloud.

### Relocate

Companies can also move infrastructure to the cloud without having to buy new hardware, rewrite applications, or modify existing operations. This scenario is specific to VMware Cloud on AWS, which supports virtual machine (VM) compatibility and workload portability between on-premises environments and AWS.

### Refactor + Rearchitect

This involves completely overhauling an application and rebuilding it for the cloud. Companies will do this when they want to take advantage of cloud-native features, such as scalability or improved agility. Most applications will eventually get refactored for the cloud.

### Retain

You may also still need some on-premises applications post-migration. It's at this stage where your cloud applications will start running alongside any old solutions you need to keep.

### Retire

After the migration is complete, there will be legacy systems that you will no longer need and can be retired. That happens at this stage.

## How AWS can help

AWS is helping companies of all sizes move to the cloud. As a leading cloud provider that offers the most extensive global infrastructure, the most functionality, and the largest community of customers and partners to help you boost your business value, AWS is ready to help you migrate and modernize your business.

Here's what it has to offer:

# 100,000+

AWS Partner Network partners from more than 150 countries

# 200+

Fully featured services for compute, storage, databases, networking, analytics, machine learning, artificial intelligence and more

# 98

Most secure with support for 98 security standards and compliance certifications

# 81

Availability zones (AZs) in 25 geographic regions, with plans to launch 24 more AZs and 8 more regions

## 5 STEPS to a successful migration

There's more to migration than moving applications into the cloud. Here are some of the steps companies must take for a successful migration.



### STEP 1

#### Start with the why

Don't implement technology for technology's sake. A migration must align with your business goals, otherwise you won't know what you need to transform. Think about why you want to move to the cloud and how it can help deliver better customer experiences.

### STEP 2

#### Choose the right provider

When picking what provider to work with, look at whether they have cloud services that allow you to accomplish your goals. Do you need to move faster? Then consider a company that focuses on economies of speed versus economies of scale. Want to grow larger? Then ensure you're working with a business that can help you scale up your offerings.

### STEP 3

#### Rethink operating models

The cloud is supposed to make companies nimbler and more agile, but that can only happen if you adapt your operational structure to the cloud. That could mean giving staff the freedom to create manual task-reducing automations themselves or having more people do their own data analysis.

### STEP 4

#### Consider containers

Consider starting your cloud journey with AWS containers, which allow companies to run multiple apps virtually on a single server that you already own. You can reduce costs by double digits without having to transform your entire IT infrastructure.

### STEP 5

#### Continue with the cloud

Migration and then modernization never ends—the cloud is always improving and you might want different solutions as you expand. Keep asking yourself the why, listen to customers, assess your business goals, and then see how the cloud can help.

# Marketing Updates

## AWS Lunch & Learn - How data has the power to unite teams

30 March 2022, 12:30 PM – 2:00 PM SGT,  
AWS office, 23 Church Street, Capital Square #10-01, Singapore 049481

Anyone who works with data understands the benefits it can bring when it's harnessed right - the ability to make better business decisions.

Join Data Pipes Head of Data, Nicolas Paris and guest as we explore the value of unified and trusted data, while meeting business and regulatory needs for data privacy and security.

Universities have transformed as COVID-19 forced significant changes to the traditional student experience. Join this discussion with the Singapore Institute of Technology (SIT) to learn how data is helping to enhance the research enterprise and advanced campus operations and management.

### At the end of the session, you will:

- Learn how organizations of today are dealing with challenges around data protection, security and privacy.
- Find out how Data Pipes encompasses cloud native services into an end-to-end data management platform to help you quickly derive value from data and the cloud.
- Gain insights into SIT's approach to its operating model and journey to data intelligence.

### SPEAKERS

#### Nicolas Paris, Head of Data, Data Pipes

Nicolas has over 11 years of combined experience in Software Project Development, DevOps, Data Warehousing and Machine Learning. At Data Pipes, Nicolas leads the product development team as the Head of Data to build an end-to-end data management platform that creates a shared repository of trusted data for organizations to achieve their data goals. Before Data Pipes, he was the CTO at a healthcare startup, managing a software platform that serves over 300,000 monthly active users on 3 mobile applications.

#### Dr. Steven Wong, Associate Professor. Director, Projects, Office of the Provost, Singapore Institute of Technology

Dr. Steven Wong is an Associate Professor and Programme Director at the Singapore Institute of Technology (SIT) where he spearheaded one of SIT's flagship degree programmes in Software Engineering in 2014. Dr. Steven has over two decades of academic and industry experience, and was involved in several multi-million dollar funded research and industry projects, he also volunteers in leadership positions for multiple IT-related organizations, as well as associations in Singapore and within the APAC region.

Register via <https://startwithaws.sg/events/register/ubHJ3/how-data-has-the-power-to-unite-teams>

## AWS Public Sector Seminars

March to May 2022

Join us at these no cost seminars, and learn about AWS cloud concepts, AWS services, security, architecture, pricing, and support to build your AWS Cloud knowledge. You will be provided with links to hands-on lab exercises to reinforce some of the core concepts of the class.

Register via:

<https://aws-public-sector-seminars.splashthat.com>

## Future of Cloud

Amazon Web Services (AWS) is positioned to accelerate Singapore's journey to becoming a smart nation, underpinned by a digital economy, digital government, and digital society. The cloud is integral to many of the issues driving change at the national level in Singapore, from the hybrid workforce to next generation policy. By making it simpler for all segments of society to adapt to and embrace digitalization, the AWS Cloud supports the government's objective to transform Singapore into an innovation-led, economic powerhouse and a world-class city that is responsive to the changing needs of its citizens.

Learn about how AWS can support Singapore's transformation into a smart nation. Delve into topics ranging from how to quickly migrate to AWS and how to meet security and compliance requirements, to how to get the most out of powerful AWS quantum computing capabilities.

Access future of cloud at <https://futureofcloud.com.sg>