# **SEVEN** WAYS TO MIGRATE TO THE AWS CLOUD

Cloud migration — moving your digital operations to the cloud — has become increasingly common as companies seek to modernize existing legacy mainframe systems to align with overall business strategy, increase productivity, and find cost savings.



The cloud is here to stay, and if you haven't migrated to AWS, you may fall behind. It's time to migrate, but you need a strategy first. The 7 Rs offer different strategies to help make your migration as seamless as possible.

# Re-factor/Re-architect

Refactoring (re-architecting) moves an application and modifies its architecture. It involves breaking your application's components down into smaller parts before wrapping them in a container. They are then deployed on a container platform that allows for optimized use of the cloud.

Improves agility, scalability, and performance by taking advantage of cloud-native features

Future-proofs the application

## Re-platform

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Commonly referred to as "lift and reshape," re-platforming involves moving an application to the AWS cloud without making a lot of significant changes. Instead, you'll replace a few components to optimize for cloud capabilities.

	No big changes to the architecture			
	No expensive development and testing			
PROS	Easily move core services without disrupting business activities			





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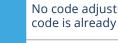
Expect a higher initial transformation cost than other migration strategies

More complex because it requires extensive code changes

	Doesn't take full advantage of the cloud
	Potential for failure if the company doesn't accurately map the application requirements
CONS	There could be performance issues for applications that weren't fully optimized for the cloud

#### **Re-purchase**

This "drop and shop" strategy replaces your legacy solution with a SaaS product that can offer similar services or capabilities.



No code adjustments—the software's code is already cloud-ready

This approach isn't viable if you have custom-built software

More cost-effective than some of the other migration strategies

Potential to be more costly than hosting on your own premises Could cause downtime if you don't have

a high-speed bandwidth connection

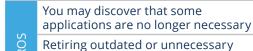
#### **Re-host**

"Lift and shift" is all about a near effortless and speedy migration. This approach moves your applications, software, and data to the cloud without making any changes to the code to get the most out of the cloud. If you're looking to migrate fast, re-hosting may be your best option.

PROS	Easy to migrate	SNG	You don't reap all the benefits of cloud- native capabilities
	The cheapest way to migrate to the cloud		It's more of a short-term option
	Minimal time commitment		Potential failures or outages caused by application dependencies

## **Retain/Re-visit**

If you've decided it makes little sense to migrate or you don't have enough information or latency requirements, you may want to re-visit a cloud migration at a later date. For now, you'll keep everything as-is.



You don't get to take advantage of all the benefits of the cloud

**Re-locate** 

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Specific to VMware Cloud on AWS, this migration strategy involves moving the existing system in its entirety to the cloud without purchasing any new hardware, rewriting applications, or modifying current operations.

Can be a quicker route for VMware customers

# Retire

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Have applications that no longer serve a purpose within your organization? Using the retire approach allows you to phase out or remove unnecessary applications. This is common when organizations go through mergers and acquisitions, and the focus is really on eliminating applications that offer redundant business capabilities or none at all.

	Free up space on your on-prem servers and clear your infrastructure
SOS	Eventual cost savings and less app

Н maintenance

#### **Need Help Migrating?**

If you're looking to migrate to the cloud to drive your business strategy, modernize your infrastructure, or increase your competitiveness, we're here to help. We're an AWS Advanced Consulting Partner and experts in all things cloud migration. We'll help you assess if migration to AWS makes sense for you and which approach will work best for you.

1 https://aws.amazon.com/campaigns/migrating-to-the-cloud/#:~:text=A%20recent%20whitepaper%20by%20IDC,and%2094%25%20reductions%20in%20 downtime



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applications can lead to cost savings

Requires extensive planning as IT teams have to figure out how to migrate existing data and leverage it in the new system

Significant user training and a sizeable learning curve

After getting rid of a costly application, you may need to build a more useful application from scratch to meet the business needs

Let us tell you more about the amazing things we do.