

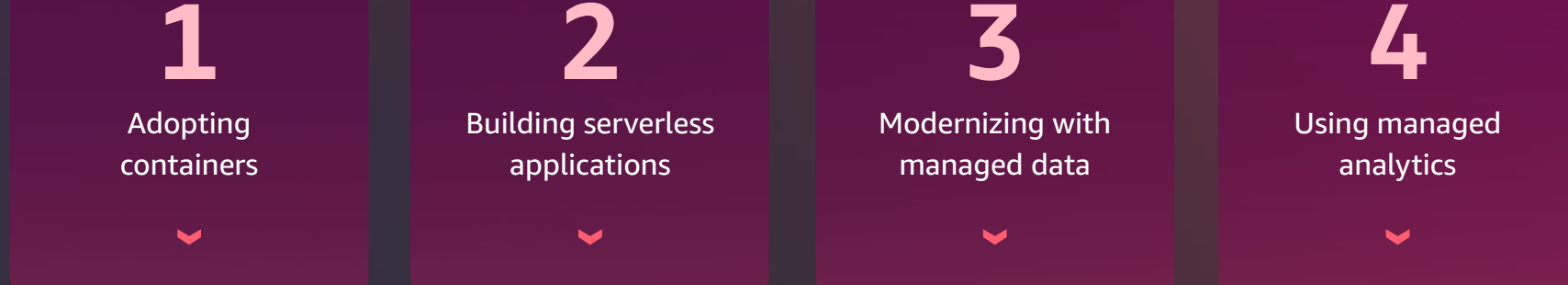


Cloud modernization on AWS

4 pathways to quantify the business value of modernization

Today, only 30 percent of enterprises that are in the cloud have developed highly modernized cloud environments by adopting containers, building serverless applications, modernizing with managed data, and using managed analytics. Organizations that do modernize improve staff productivity, gain greater business agility, augment their operational resilience, and reduce their cloud costs. They also achieve 43 percent greater revenue and dedicate 38 percent more resources to digital transformation than those organizations using basic cloud services.

Cloud modernization involves moving from basic to modern cloud services via 4 primary pathways:



Research firm **Known** explored these cloud pathways to quantify the post-migration benefits using the AWS Cloud Value Framework:

Study conducted in 2021:

30

ENTERPRISE IT LEADERS

were interviewed to identify KPIs and explore the impact of modernized cloud services

505

US ENTERPRISES

were surveyed to quantify the impact of modernization at scale

Pillars of the AWS Cloud Value Framework:



Cost savings



Staff productivity



Operational resilience



Business agility

PATHWAY 1 Containers

Lightweight standalone containers provide a standard way to package application code, configurations, and dependencies into a single object, so organizations can deploy rapidly, scale infinitely, and run resource-isolated processes. By implementing containers, organizations have seen:



23%
improvement in compute utilization



40%
reduction in downtime



80%
more virtual machines managed per administrator



28%
increase in revenue

“Containers speed up our development lifecycle. It really has streamlined and brought unison to our technology department.”

IT Leader, Financial Services Firm

“The goal is to put more and more on containerized platforms. It really gives us the ability to scale.”

IT Director, Wholesale Trade

PATHWAY 2 Serverless architecture

Serverless architecture eliminates overprovisioning and generates cost savings. Organizations don't have to focus on administrative tasks and can remove the configuration steps for server provisioning. With serverless architecture, organizations have seen:



39%
less spending on IT infrastructure



14%
faster security incident resolution



25%
shorter time to deploy new applications



22%
accelerated conversions of monolithic applications to cloud-native applications



“The number one benefit that serverless brings to our organization is reduced cost.”

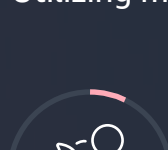
Senior Director of IT, Telecom

“With serverless, it's easier for us to innovate faster because we don't have to stand up all this infrastructure anymore.”

Senior Director of IT, Entertainment

PATHWAY 3 Managed data services

Managed data services optimize block storage utilization by replacing manual management with policy automation and standardization. Teams benefit from low-latency read replicas, the ability to recover data, and continuous backup and replication across multiple redundant regions. Utilizing managed data services leads to:



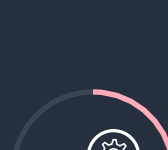
8%
improvement in storage utilization



13%
faster security incident resolution



24%
less time to deploy new feature and service releases



28%
increase in revenue

“Our insights are entirely driven from managed data. Our speed to insight is clearly from AWS.”

Cloud Architect, Telecom

“Managed data improves the total amount of data we can keep.”

IT Leader, Telecom

PATHWAY 4 Managed analytics

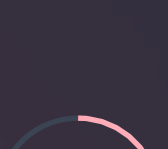
Removing the responsibility for data and analytics management from internal staff enables organizations to focus more time and resources on initiatives that drive revenue generation and improve process efficiencies. Organizations that use managed analytics see:



10%
improvement in storage utilization



18%
rise in organizations resolving their security incidents



33%
increase in the number of transformation-focused resources



35%
reduction in time to generate business insights



“Before, our time to insight was 15 hours, with managed analytics, it was slashed to 1 hour.”

IT Leader, Media

“With managed analytics, it is easier to see the huge amount of data and then analyze it in seconds. That is the value.”

Senior Architect, Healthcare

Build a case for cloud modernization

Learn more about how to modernize your applications with Amazon Web Services (AWS) to reduce costs, gain efficiencies, and make the most of your existing investments.

[AWS Cloud Economics Center](#)