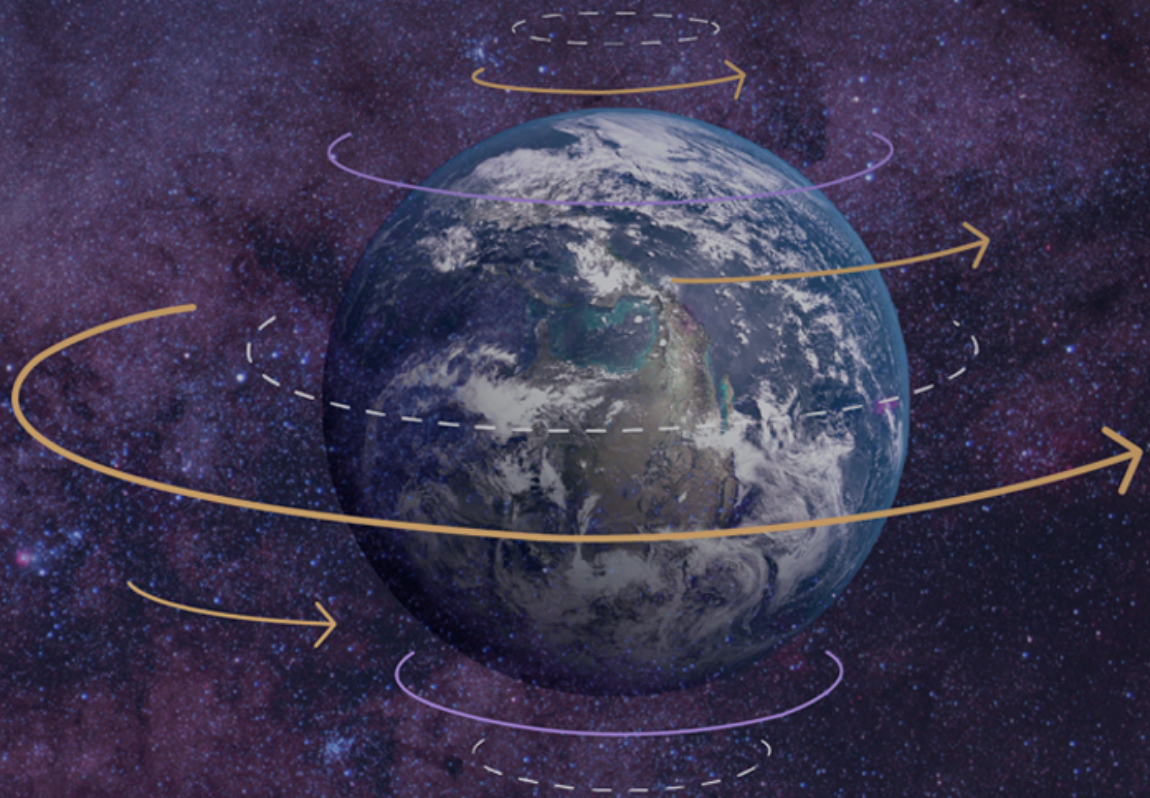




eBook

Migrate and modernize with IBM and AWS



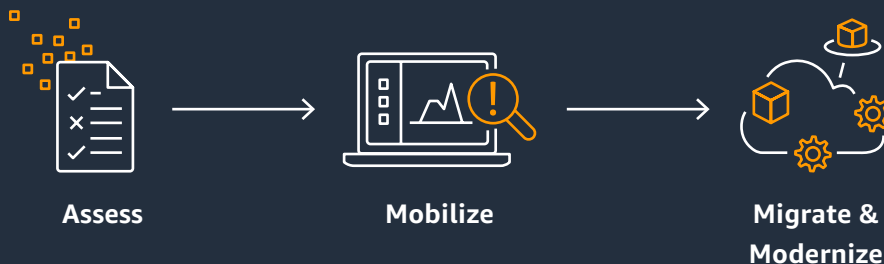
The value of migration and modernization

How do you boost innovation, respond quickly to changing customer demands, and drive sustainable business transformation? For many organizations in a variety of industries, the answer is migrating their infrastructures and applications to the cloud with Amazon Web Services (AWS). On average, migrating to AWS delivers:

- **27.4%** average infrastructure cost savings¹
- **62%** more efficient infrastructure management¹
- **3x** more features delivered per year¹
- **69%** reduction in unplanned downtime²
- **43%** fewer security incidents per year²

Clearly, migrating to AWS is good for business, but it's only one part of a successful cloud journey. While some organizations choose to migrate fast and then **modernize** their applications and infrastructures by adopting cloud-native technologies, others choose to modernize fast and then move to the cloud. Both approaches maximize the value of cloud migration and reduce operational burden.

The cloud enables faster and more frequent application releases, cost reduction through greater management efficiency and data center consolidation, and the ability to direct more resources toward innovation by outsourcing administrative tasks. Once you're on the cloud, it's much faster and easier to modernize your applications and reap the benefits: increased agility, lower total cost of ownership, and faster, more sustainable results.



Accelerate your cloud migration and modernization journey

The [AWS Migration Acceleration Program](#) (MAP) is a comprehensive and proven cloud migration program based on AWS's experience of migrating thousands of customers to the cloud. The program packages best practices, tools, expertise, financial incentives, and the experience and solutions delivered by AWS Partners to make cloud adoption easier and help customers reach their business goals faster.

¹ [Unlocking the Trillion Dollar Value of Cloud](#), August 2021.

² Nucleus Research, [Guidebook: Understanding the Value of Migrating from On-Premises to AWS for Application Security and Performance](#), 2020.

The need for speed— and a partner

When it comes to migrating and operating in a cloud-first environment, the ability to move fast along the right path is critical. Without speed, organizations risk losing momentum and executive buy-in. When results are realized too slowly, the business case for migration and modernization weakens, potentially jeopardizing the project's funding and support.

Moving quickly is often the best first step, and having a knowledgeable, experienced partner by your side is critical in speeding and smoothing the way. As an AWS Premier Partner offering consulting services, IBM helps organizations just like yours accelerate and optimize their AWS Cloud adoption, migration, and modernization. IBM services for AWS Cloud help you:



Drive innovation and faster time-to-market with app development and integration, testing, API, and other IBM services.



Realize greater value by using advanced automation and cognitive analytics to manage complex AWS workloads.



Speed digital transformation and optimize data using data platform services and solutions.

Together, AWS and IBM leverage their deep experience and knowledge to help organizations fuel their migration and modernization journey, driving innovation at speed and scale.

IBM and AWS: extensive experience meets unique methodology

AWS has helped thousands of businesses successfully migrate to the cloud and has the industry's most comprehensive and mature cloud platform. IBM and AWS work closely with organizations at every stage of the migration journey—from assessing business needs to planning and executing the migration—and deliver proven tools, methodologies, and expertise to support you throughout your cloud transformation journey.

Just getting started? IBM's expertise in security, enterprise scalability, and open innovation with Red Hat OpenShift helps you migrate quickly and seamlessly to AWS.

Already in the cloud? IBM helps you move existing workflows to the AWS Cloud, develop cloud-native apps, and optimize your existing AWS environment.

Ready to go further? IBM combines deep consulting competency and experience with intelligent workflows, artificial intelligence (AI), and automation to help you achieve your cloud goals.

Together, IBM and AWS have leveraged their unique strengths to create a one-of-a-kind approach to cloud migration and modernization:

IBM is one of the fastest growing AWS Partners, with more than 7,000 AWS Certified Cloud Practitioners in more than 200 locations worldwide. What's more, IBM brings the extensive expertise of 8,000+ cybersecurity experts and 38,000+ SAP consultants to every AWS Cloud transformation project.

IBM services span every step of your AWS transformation journey:

- **Cloud strategy:** An integrated set of capabilities that delivers an aligned business and IT strategy and operating model with a roadmap to help you realize value from your AWS investment.
- **Cloud migration and modernization:** Accelerating your digital journey by migrating and modernizing both applications and infrastructure to AWS while simultaneously integrating a DevOps and AIOps-based development and operating culture.

- **Cloud development:** Co-creation of your next-gen digital capabilities to transform your application portfolio and allow your business to harness cloud, data, and AI technologies.
- **Cloud management:** Secure, predictive, and proactive management of applications and infrastructure with integrated FinOps for cloud.

IBM Cloud Migration Factory Services are designed to optimize your IT portfolio and embed innovation throughout your organization. Services include:

- **AWS Cloud migration:** Migrate to a multi-cloud environment with the help of IBM's differentiated method and toolkit.
- **AWS Cloud modernization:** Accelerate your digital journey by partnering with IBM to modernize your applications and infrastructure, including your DevOps-based development and operations culture.

With IBM Cloud Migration Factory Services, organizations see up to 25 percent faster migration and modernization to hybrid and multi-cloud platforms.

IBM Garage Methodology for Cloud is a unique prescriptive approach based on industry best practices and IBM's experience in cloud transformation. This "co-creation" method guides you through the changes and tools needed to take advantage of the cloud by identifying the best starting points and the best path for achieving your organization's cloud goals. When coupled with AWS best practices, IBM Garage Methodology delivers effective, efficient digital transformation, reducing design time by 75 percent, increasing cloud consumption by 350 percent, and enabling 2x faster time to market. [Explore IBM Garage](#), and discover how this unique methodology can accelerate your digital journey.

IBM's acquisition of Red Hat is a unique differentiator, with IBM assets and offerings now integrated into AWS Red Hat open-source solutions.

IBM services for AWS Cloud

Accelerate AWS adoption, modernize applications and infrastructure, and drive open innovation and intelligent workflows with these IBM services for AWS Cloud:

- **AWS native build:** IBM helps you build applications that utilize AWS cloud-native capabilities and integrate cutting-edge DevOps tools and practices.
- **Open innovation with ROSA:** Red Hat OpenShift on AWS (ROSA) is a fully managed, open-source offering that brings together IBM, Red Hat OpenShift, and AWS to offer portability, reliability, and resiliency, enabling faster application modernization and lower cost of operations.
- **SAP on AWS:** IBM has one of the largest SAP install bases and is a dominant systems integration (SI) provider in SAP migrations to AWS. IBM helps you simplify your move to SAP S/4HANA on AWS without interrupting critical business processes.
- **Intelligent workflows:** IBM integrates data, AI, and automation across business processes using AWS Competencies earned as an AWS Premier Partner.
- **Windows modernization:** IBM cloud experts collaboratively support the modernization and migration of your core Windows application and database workloads to the AWS Cloud.
- **Integrated DevSecOps and AIOps:** IBM offers secure enterprise DevSecOps practices infused with AIOps, Site Reliability Engineering (SRE), and self-healing capabilities so you can focus your efforts on other business imperatives.
- **Enterprise cloud security:** IBM's trusted Security Services uses advanced frameworks, tools, and critical security use cases to help you meet compliance requirements and secure your data in the cloud.
- **Resilient and predictable advanced service delivery:** IBM Services Dynamic Delivery™ is a holistic model of service delivery that integrates technology foundations with virtualized, agile methods and practices, enhanced with AI and automation. It leverages the IBM Garage Methodology to help you navigate your cloud journey.



Migration and modernization success stories

IBM has helped hundreds of clients, across a broad range of industries, migrate and modernize successfully on AWS. Here are just a few.

Global carbon black manufacturer

The largest carbon black manufacturer in India, with a significant customer base in 40+ companies realized many of its existing processes could not scale cost-effectively, threatening its plans for global expansion. The company engaged IBM to move from SAP ERP on-premises to a next-generation SAP S/4HANA platform hosted on AWS, creating an integrated, scalable, and fully digital business. As a result, Phillips Carbon Black avoided 100 percent of the capital cost associated with new on-prem infrastructure, benefited from an approach that automated 85 percent of the data conversion process during the upgrade, and improved application response times for business users by 30 percent.

Hong Kong financial services boutique

A Hong Kong financial services search boutique wanted an automated, integrated, and self-service reporting solution that could provide visibility into Sales and Operations across multiple countries. IBM built a data lake, business intelligence, and analytics solution on AWS that delivers a comprehensive view of data for effective and efficient decision-making. The solution replaced more than 100 manual reports with fewer than 20 analytical dashboards, resulting in a more than 25 percent decrease in the amount of manual effort required to prepare reports and a reduction in report publication time from multiple days to less than one.

Swire Coca-Cola

Swire Coca-Cola, the exclusive manufacturer, promoter, and distributor of Coca-Cola products in 11 provinces in mainland China and Shanghai, Hong Kong, Taiwan, and the western United States, chose to migrate to the AWS Cloud to support rapid innovation, elasticity, and flexibility. Working with IBM, Swire migrated its entire IT enterprise to the cloud with almost zero impact on the business, ensuring that the functions and performance of each system were enhanced and improved. As a result, Swire was able to close all of its legacy data centers and set the stage for a full-scale digital transformation.



Ready to start your migration and modernization journey?

Wherever you are in your digital transformation journey, we're here to help:

Learn more about how [IBM works with AWS to support your migration and modernization efforts](#)



