Modernize with IBM and AWS
The value of 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:

- **31%** average infrastructure cost savings\(^1\)
- **62%** more efficient infrastructure management\(^1\)
- **3x** more features delivered per year\(^1\)
- **69%** reduction in unplanned downtime\(^2\)
- **43%** fewer security incidents per year\(^2\)

Clearly, modernizing 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 modernization 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.

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**Accelerate your hybrid cloud modernization journey**

IBM Consulting™ Cloud Accelerator is a revolutionary cloud acceleration platform that orchestrates a collection of expert rules, tools, technical assets and industry solution starter kits, packaged as hybrid cloud journeys, to drive accelerated planning and low-touch execution, with consistent and predictable outcomes.
When it comes to modernizing and operating in a hybrid cloud 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 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, IBM Consulting helps organizations just like yours accelerate and optimize their AWS cloud adoption, migration and modernization. IBM’s AWS Cloud consulting services 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 Consulting use their deep experience and knowledge to help organizations fuel their modernization journey, driving innovation at speed and scale.
Modernize with IBM and AWS

IBM and AWS: Extensive experience complemented by unique methods and accelerators

AWS has helped thousands of businesses successfully modernize to the cloud and has one of the industry’s most comprehensive and mature cloud platforms. IBM and AWS work closely with organizations at every stage of the migration journey—from assessing business needs to planning and executing the modernization—and deliver 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 modernize 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 cloud 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 used their unique strengths to create a one-of-a-kind approach to cloud modernization:

IBM is one of the fastest growing GSI partners for AWS with 13,000+ AWS Certified Cloud Practitioners, mastery in 14 AWS Competencies, and 16 validated service delivery programs. IBM Consulting is one of the world’s largest SAP partners with 6,500 implementations and has delivered hundreds of SAP engagements on AWS.

IBM Consulting spans 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 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 is designed to optimize your IT portfolio and embed innovation throughout your organization. Services include:

- **AWS cloud migration.** Migrate to an AWS 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 operation culture

With IBM Cloud Migration Factory Services, organizations see up to 25% faster migration and modernization to hybrid and multicloud platforms.

**IBM Garage Method 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 clients experience 10x more innovative ideas, 67% faster speed to outcomes, 6x as many projects into production and 102% ROI. [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 and Red Hat open-source solutions.
IBM’s AWS Cloud Consulting Services

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

**AWS native build.** IBM helps you build applications that use AWS cloud-native capabilities and integrate cutting-edge DevOps tools and practices.

**Open innovation with ROSA.** Red Hat OpenShift on AWS is a fully managed, open-source offering that brings together IBM, Red Hat OpenShift and AWS to offer unmatched 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.

**AWS Migration Acceleration Program (MAP).** MAP is a comprehensive cloud migration program based on AWS’ experience 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.

**Mainframe Application Modernization.** IBM helps you modernize and transform mainframe applications using a proven framework and hybrid cloud approach.

**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 uses the IBM Garage Methodology to help you navigate your cloud journey.
Phillips Carbon Black

Specialist manufacturer Phillips Carbon Black 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 enterprise resource planning (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% of the capital cost associated with new on-prem infrastructure, benefited from an approach that automated 85% of the data conversion process during the upgrade and improved application response times for business users by 30%.

Read the case study
Modernization success story

State of Rhode Island

From the pandemic’s start, everyone, from the governor to public health responders, the media and residents, sought accurate, data-driven and timely COVID insights to help them make decisions. Meanwhile, the state’s data team worked diligently to provide actionable information from investigations into confirmed cases and from contact tracing and testing operations, hospitalizations and deaths. Yet the pandemic had hit with such speed, the team didn’t have the staff or systems in place to efficiently process and analyze the huge volumes of data being submitted from hospitals, labs and other facilities across the state.

Collaborating closely with IBM Consulting, the state immediately brought in several specialists, built a cloud-based data lake and automated processes to enable faster, more sophisticated and more reliable analysis. The data lake, running on an AWS cloud infrastructure, holds complex case investigation and contact tracing data. Within three weeks, the data team was disseminating deeper COVID insights needed to guide policy and operational decisions and keep the public informed.

Read the case study →
Ready to start your modernization journey?

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

Learn more about how IBM and AWS work together to support your modernization journey.

Footnotes
1. IDC, Fostering Business and Organizational Transformation to Generate Business Value with Amazon Web Services, February 2018.
3. The Total Economic Impact Of IBM Garage, a commissioned study conducted by Forrester Consulting, October 2020.