

Migrate, modernize and reduce risk with IBM and AWS



The value of migration, modernization and security

How do you boost innovation, respond quickly to changing customer demands and drive sustainable business transformation? Leaders of many organizations across industries migrate their infrastructures and applications to the cloud with Amazon Web Services (AWS). On average, migrating to AWS delivers the following savings and improvements:



31%
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

Migrating to AWS is only one part of a successful cloud journey. While some organization leaders migrate fast and then modernize their applications and infrastructures by adopting cloud-native technologies, others modernize fast and then move to the cloud. Both approaches maximize the value of cloud migration and reduce operational burden. Using the cloud enables the following features:

- Faster and more frequent application releases
- Cost reduction through greater management efficiency and data center consolidation
- Security-enabled risk reduction
- The ability to direct more resources toward innovation by outsourcing administrative tasks

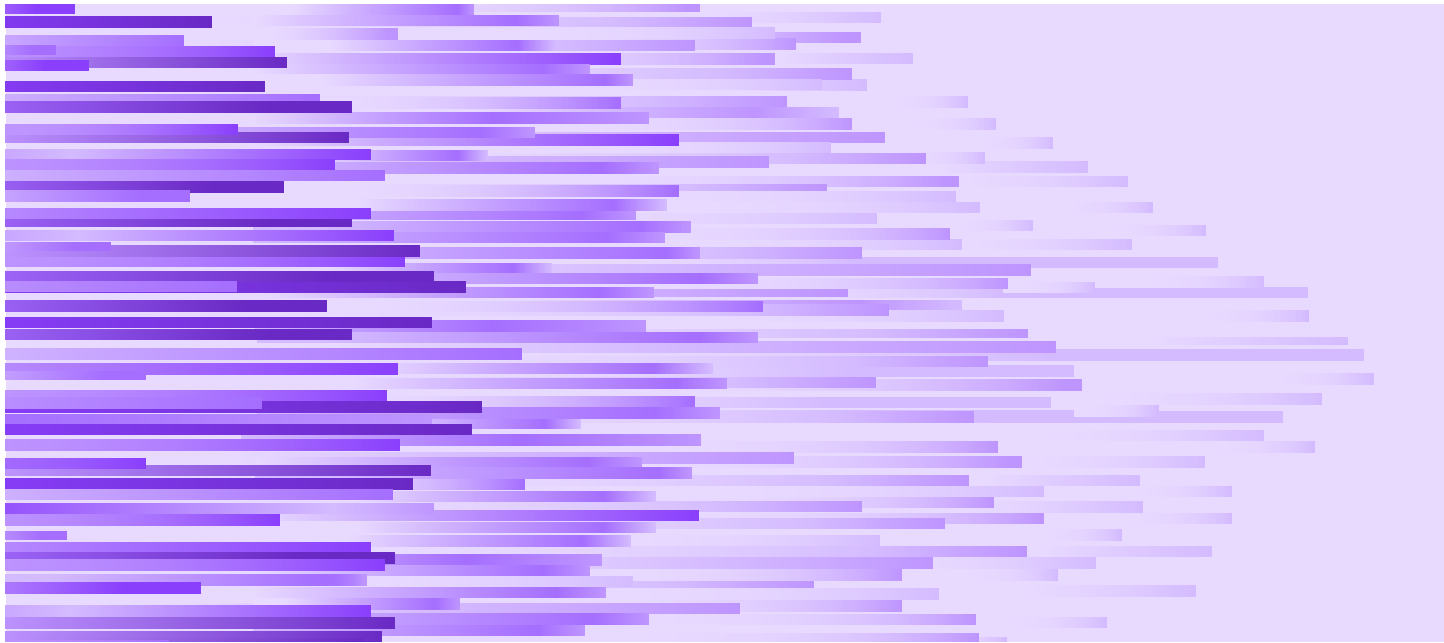
Once you're on the cloud, it's much faster and easier to modernize your applications and reap the benefits of increased agility, lower total cost of ownership and faster, more sustainable results.

¹ IDC, [Fostering Business and Organizational Transformation to Generate Business Value with Amazon Web Services](#), February 2018.

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

Accelerate your cloud migration and modernization journey

The [AWS Migration Acceleration Program](#) (MAP) is a comprehensive and proven cloud migration program based on the results of AWS 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 business goals faster.



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.

As an AWS Premier Tier Services Partner, IBM® helps organizations just like yours accelerate and optimize their AWS Cloud adoption, migration and modernization. IBM services for AWS Cloud can help you reach the following goals:



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



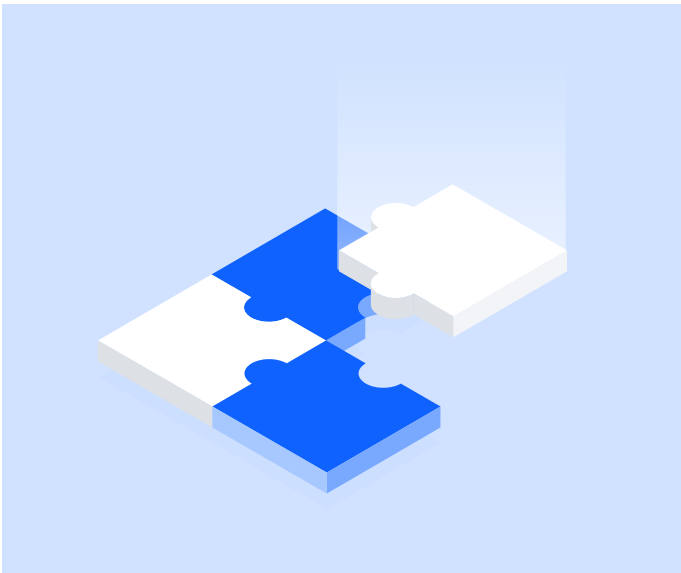
Realize greater value by using advanced automation and cognitive analytics to manage complex AWS workloads.



Integrate AWS with enterprise security using Secure AWS Foundation to protect assets in cloud.

Together, experts at AWS and IBM leverage their deep experience and knowledge to help organizations fuel their migration and modernization journey, driving secure by design innovation at speed and scale. Part of this journey includes a security-rich foundation to AWS adoption and migration from IBM that provides a vision to guide improvement of your security program over time. This approach combines risk insights into organizational risk management and security integrations and contributes to business resilience.





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. Experts at IBM and AWS work closely with organizations at the following stages of the migration journey:

- Assessing business needs
- Aligning security strategy
- Planning and executing the migration

Together, these experts deliver proven tools, methodologies and expertise to support you throughout your cloud transformation journey.

Just getting started? Expertise from IBM 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 Cloud environment.

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

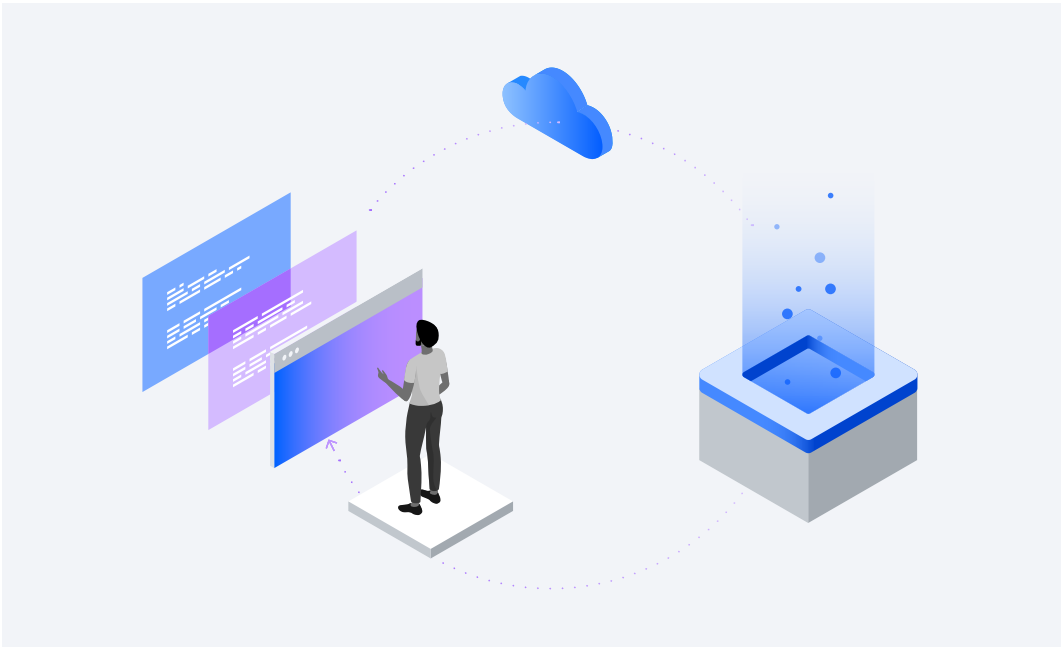
Transform security? IBM offers an evolving approach that integrates security with business processes to transform organizational culture and enable meaningful and sustainable progress to reduce organizational risk.

Together, experts at IBM and AWS use their unique strengths to create a one-of-a-kind approach to security-rich cloud migration and modernization.

IBM is one of the fastest growing AWS Partners, with more than 10,000 AWS Certified Cloud Practitioners in more than 200 locations worldwide. What's more, IBM brings the extensive expertise of 8,000-plus cybersecurity experts and 38,000-plus SAP consultants to every AWS Cloud transformation project.

IBM services span every following stage of your AWS transformation journey:

- **Cloud strategy:** Get an integrated set of capabilities that delivers an aligned business, IT and security strategy and operating model with a roadmap to help you realize value from your AWS investment.
- **Cloud migration and modernization:** Accelerate your digital journey by migrating and modernizing both applications and infrastructure to AWS while simultaneously integrating a security-aligned DevOps and AIOps-based development and operating culture.
- **Cloud development:** Co-create your next generation digital capabilities to transform your application portfolio and allow your business to harness cloud, data and AI technologies.
- **Cloud management:** Enjoy security-rich, predictive and proactive management of applications and infrastructure with integrated FinOps for cloud.



IBM Cloud® Migration Factory, designed to optimize your IT portfolio and embed innovation throughout your organization, includes the following services:

- **AWS Cloud migration:** Migrate to an AWS environment with the help of a differentiated method and toolkit from IBM.
- **AWS Cloud modernization:** Accelerate your digital journey by joining with IBM to modernize your applications and infrastructure, including your DevOps-based development and operation culture and cloud security operations. With IBM Cloud Migration Factory services, organizations see up to 67% faster speed to outcomes.³

IBM Garage™ Method for Cloud is a unique prescriptive approach based on industry best practices and experience in secure by design cloud transformation from IBM. This co-creation method guides you through the changes and tools needed to take advantage of the cloud by identifying the best starting points, a secure foundation and the best path for achieving your organization’s cloud goals. When coupled with AWS best practices, IBM Garage Method delivers both effective and efficient digital transformation, reducing design time by 75%, increasing cloud consumption by 350% and enabling two times faster time to market.³ [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 integrated into AWS Red Hat open-source solutions.

³ “[The Total Economic Impact Of IBM Garage](#)”, a commissioned study conducted by Forrester Consulting, October 2020.



IBM services for AWS Cloud

Accelerate AWS adoption, modernize applications and infrastructure, and drive open innovation and intelligent workflows with the following 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—Red Hat OpenShift on AWS (ROSA) is a fully managed, open-source offering that brings together IBM, Red Hat OpenShift and AWS. This combination offers unmatched 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. With IBM, you can simplify your security-enabled move to SAP S/4HANA on AWS without interrupting critical business processes.

Intelligent workflows—IBM experts integrate data, AI, automation and security across business processes using AWS competencies earned as an AWS Premier Tier Services Partner.

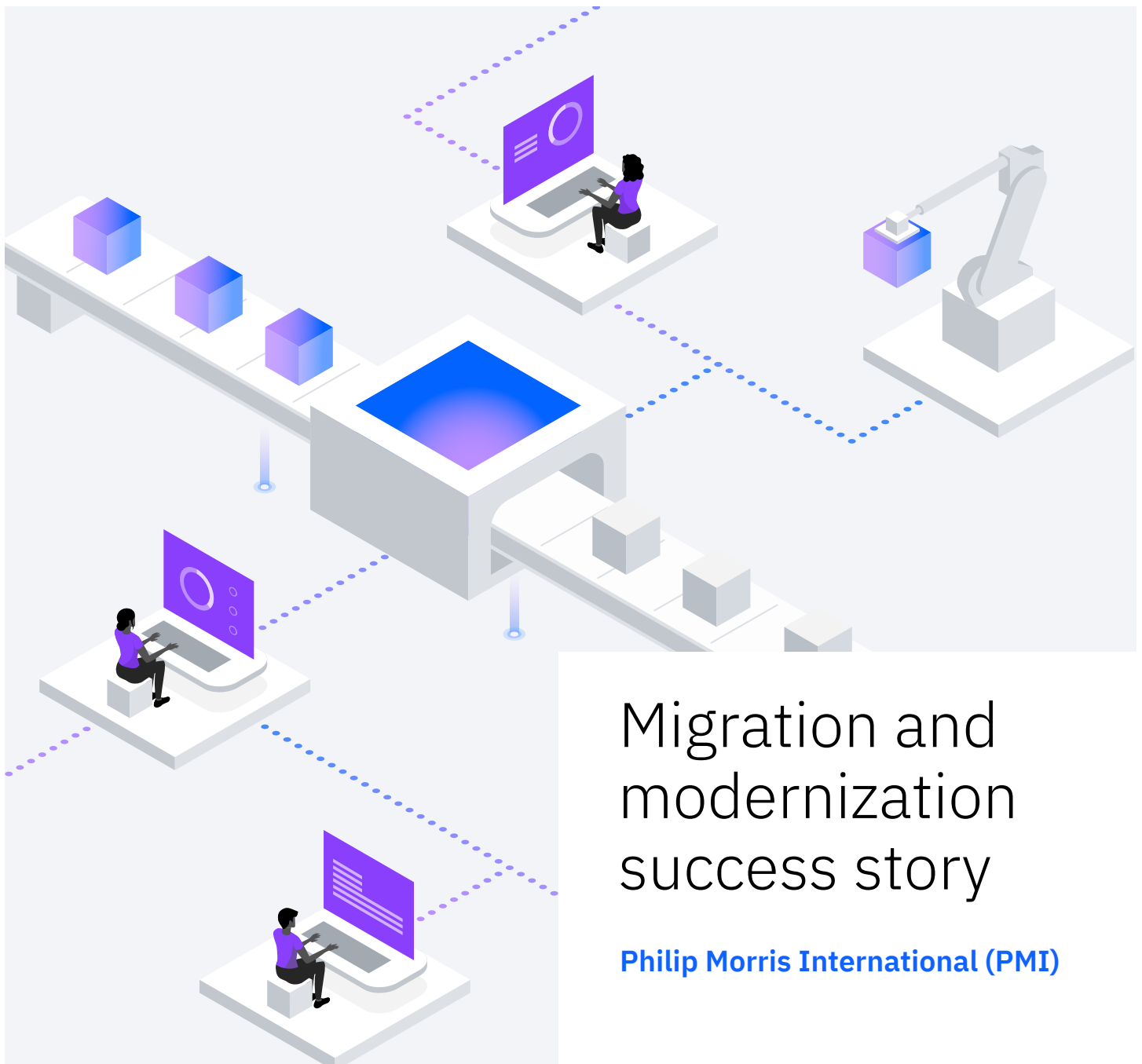
Windows modernization—IBM cloud experts collaboratively support the modernization and migration of your core Windows application and database workloads to the AWS Cloud.

Integrated DevSecOps and AIOps—IBM offers security-rich 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 Security™ uses advanced frameworks, tools and critical security use cases to help you meet compliance requirements and protect 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. This model uses the IBM Garage methodology to help you navigate your cloud journey.

24/7 security protection and monitoring—This collection of essential AWS resources delivered as a fully managed service includes vulnerability management, cloud security best practices and compliance, threat detection and response, network security, host and endpoint security, and application security.



Migration and modernization success story

Philip Morris International (PMI)

PMI wanted to get out of the data center business. The client engaged AWS to reduce the cost of maintaining a data center in Switzerland to allow PMI to explore strategic markets of wellness, respiratory drug delivery and therapeutics. During the move to AWS, IBM partnered with the client to create a pilot program that implemented cloud security and application security workflows and infused a high degree of automation. This program used AWS native capabilities of Application Security Champion (Migrate), Application Security Champion (Run) and Native Cloud Security SME and incident response and threat intelligence services from IBM Security X-Force® to ensure consistent security implementation.



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 and AWS work together to support your migration and modernization journey.](#)

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Produced in the United States of America March 2022

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