

Build smarter, scale faster with IBM and AWS

Migration and modernization
success stories



Contents

- Intro** Real wins, real impact: Stories that inspire 04
- Delta Air Lines** Upgrading travel experiences in the cloud 06
- Helvetia Insurance** Transforming IT infrastructure with cloud migration 10
- NextEra Energy** Powering lasting growth with cloud-based ALM 14
- Southwest Gas** Fueling a more resilient digital core 18
- California DHCS** Reimagining Medicaid admin with cloud architecture 22

**Real wins,
real impact:**

**Stories that
inspire**

Organizations are aspiring to embrace advanced technologies to accelerate next-generation digital transformation and delight customers. But technical debt and legacy IT can delay progress and consume budgets.

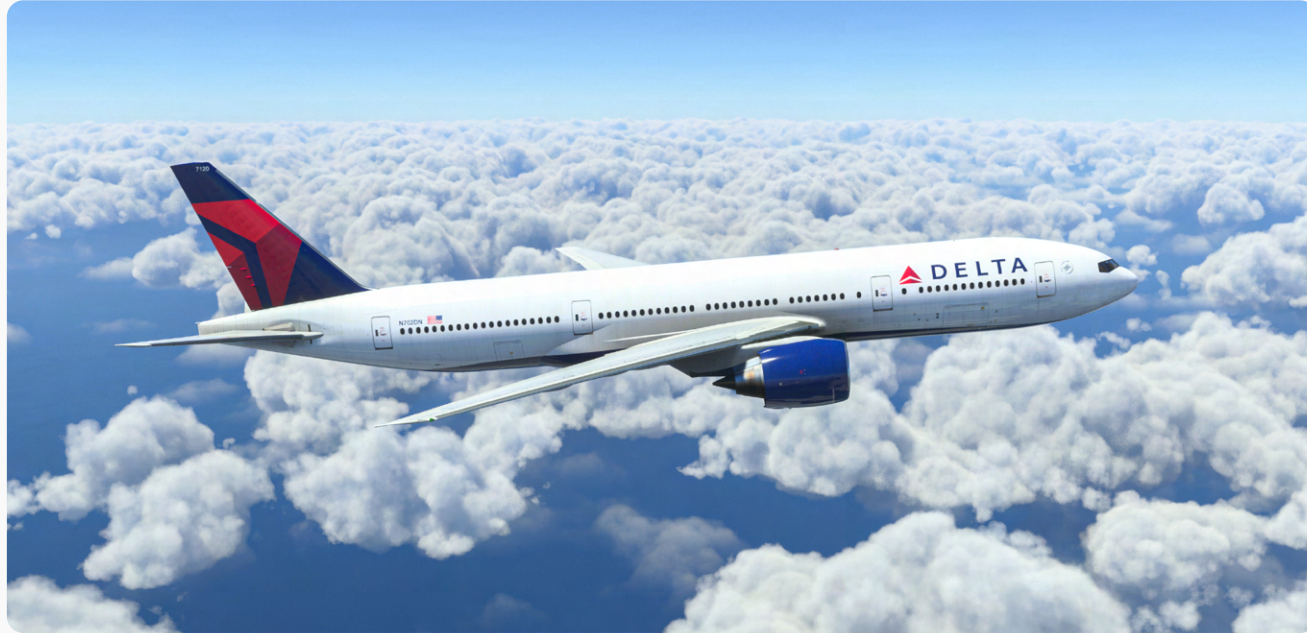
IBM Consulting and Amazon Web Services (AWS) help customers address these challenges and reimagine what's possible. As an AWS Premier Tier Services Partner, IBM brings cloud consulting expertise, AI experience, and deep industry expertise to every engagement. Whether you want to accelerate modernization on AWS or reimagine how everyday work gets done with agentic AI, IBM and AWS can help you migrate, modernize, secure, and manage your AWS journey.

The stories in this ebook feature companies across industries that have migrated and modernized applications on AWS at scale—and realized real-world outcomes: faster time to market, lower costs, and efficiency gains. Explore how AWS together with IBM Consulting empowers organizations and builds lasting value and trust for customers.

IBM and AWS can help reimagine what's possible.

Delta Air Lines

Upgrading travel experiences in the cloud



Opportunity

Ascending for business transformation

Delta needed to accelerate delivery of premium travel experiences and better support its more than 100,000 employees. Rising passenger expectations for reliable digital services—from self-service tools to fast, free Wi-Fi—were constrained by decades of legacy systems. Delta required a secure, scalable IT foundation that could shorten time to market and reduce costs, even as it expanded services for up to 5,000 daily flights.

Overview

Delta Air Lines (Delta) prides itself on its ability to respond to changing market conditions. As post-pandemic business and consumer travel habits changed, Delta saw an opportunity to drive a major digital business transformation that would help it deliver premium customer experiences and operational excellence. Delta embarked on a multi-year transformation aimed at increasing agility and innovation capabilities in a competitive landscape.

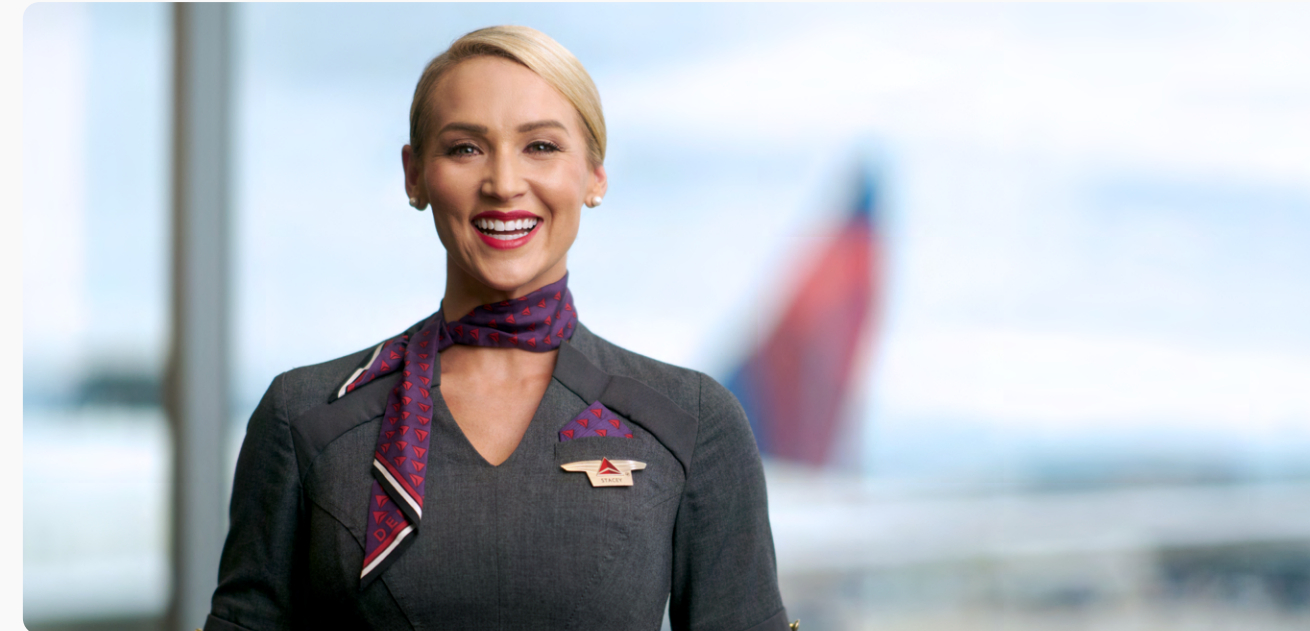
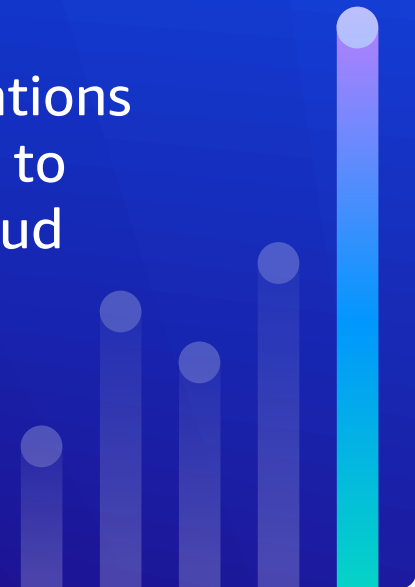


Image source: Delta Air Lines, Inc.

>500
applications
moved to
the cloud





Solution

A comprehensive and collaborative transformation journey

IBM Consulting experts worked with Delta to move most of the airline's distributed workloads to a hybrid cloud environment through a combination of migration, containerization, and modernization. With hundreds of applications in scope, it was an ambitious project, but the team executed the migration to AWS. The application workloads used the open hybrid cloud architecture built on Red Hat OpenShift Service on AWS (ROSA). And IBM moved more than 500 applications to Amazon Elastic Compute Cloud (Amazon EC2), achieving added flexibility, speed, and resiliency.

This transformation was as much about people as about technology. It involved over 30 Delta domains and 2,000 IT employees. Therefore, the program included structured organizational change and persona-based upskilling initiatives to embed new processes and strengthen DevSecOps, resiliency, and cloud operating models.

With hundreds of applications in scope, it was an ambitious project, but the team executed the migration to AWS with flexibility.



Built with



Red Hat OpenShift Service on AWS



Amazon EC2



AWS Lambda

Nearly **1,000** aircraft with fast, free Delta Sync Wi-Fi

Key takeaway

With greater flexibility and resilience, Delta can develop new services fast.

Helvetia Insurance

Transforming IT infrastructure with cloud migration



Opportunity

Enabling modernization in the cloud

This strategic decision underpinned Helvetia’s cloud-first strategy with the intention to set the baseline for future infrastructure cost savings, while enabling faster time to market and innovation. Helvetia selected IBM Consulting for the migration—highlighting the importance of technical cloud proficiency. The team of cloud experts at Nordcloud, an IBM company, were in sync with the requirements of Helvetia.

Overview

Helvetia Insurance (Helvetia), a Swiss insurance provider serving customers across Europe, sought to modernize its infrastructure in order to deliver online services to customers more reliably and sustainably. Working with AWS Partners IBM Consulting and Nordcloud, an IBM Company, Helvetia migrated to Amazon Web Services (AWS) quickly, while adhering to strict industry regulations.



4x faster migrations



Solution

Lift and shift from on premises to AWS, using Nordcloud Migration Factory approach

Large-scale cloud migrations often entailed delays in onboarding the managed cloud service provider, but the approach taken by IBM reduced it from weeks to 24 hours per server. The lift and shift and cloud-centered managed services provided by IBM and Nordcloud will enable seamless modernizations at Helvetia.

The insurer's internal departments now utilize IT infrastructure services with higher flexibility and agility. Resource provisioning that once took weeks now occurs instantaneously using standardized services and automated processes. Nordcloud's cloud migration and managed cloud services also helped Helvetia reduce infrastructure costs through optimization during and after migration. Helvetia has become a more sustainable organization by eliminating heritage data centers and using public cloud technology powered by renewable energy.

"With the successful transformation of our IT operations and the decommissioning of our data centers, our employees now have the resources available to implement future optimizations."

Eric Jehle
Managed IaaS Service Lead
Helvetia Insurance

Built with



Amazon CloudWatch



Amazon Elastic Block Store (Amazon EBS)



Amazon Relational Database Service (Amazon RDS)



AWS Fargate



70%
sustainability
improvement

30%
run cost
savings over
three years

Key takeaway

A seamless transition to the cloud makes modern services possible.

NextEra Energy

Powering resilient growth with cloud-based ALM



Opportunity

Building with a scalable cloud foundation

To meet demand, NextEra predicts that the US must build 450 gigawatts of energy generation over five years—roughly the equivalent of powering 11 Floridas. This requires building and managing assets at unprecedented scale. NextEra's prior hosting environment created operational challenges. Performance issues limited responsiveness, while spinning up environments often took weeks. NextEra needed a more efficient approach.

Overview

NextEra Energy, Inc. (NextEra) needed to modernize its asset lifecycle management (ALM) systems to continue serving nearly 12 million customers reliably, while also supporting growing demand for solar, wind, and battery storage resources. Working with AWS Partner IBM Consulting, NextEra migrated its ALM systems to a secure, resilient architecture on Amazon Web Services (AWS).



50%
reduction
in replication
tool expenses



Solution

Streamlined operations for stronger growth

NextEra selected IBM Consulting to migrate and modernize its ALM from another cloud to AWS. It adopted IBM Maximo Application Suite (MAS), a containerized model. The architecture now spans multiple AWS Regions and Availability Zones, so the company can maintain service continuity as renewable operations scale.

Migrating its ALM to AWS with zero unplanned downtime, NextEra strengthened system reliability and reduced costs. Disaster recovery time dropped 92%, from 12 hours to one. The project generated annual savings, lowering both operational costs and carbon emissions. NextEra plans to replicate the model across other critical applications, extending the benefits of resilience, speed, and predictability to future energy innovation.





“I think this model [developed with IBM Consulting and AWS] is great in providing that holistic solution and single accountability—it’s an excellent model to replicate across any other apps we have.”

Hitendra Savdas
IT Leader
NextEra Energy



Zero unplanned downtime during migration

Built with

-  AWS Database Migration Service (AWS DMS)
-  Amazon Elastic File System (Amazon EFS)
-  Amazon Elastic Kubernetes Service (Amazon EKS)
-  IBM Maximo Application Suite (MAS)



Key takeaway

With Maximo on AWS, NextEra can maintain service continuity at scale.

Southwest Gas

Fueling a more resilient digital core



Overview

Southwest Gas delivers natural gas to 2.3 million customers across Arizona, Nevada, and parts of California. To modernize operations and prepare for next-generation digital capabilities, the energy provider turned to IBM Consulting and Amazon Web Services (AWS) to exit on-premises data centers, starting with migration of its mission-critical SAP systems to the cloud. Together, the companies delivered stronger cost control and a solid foundation for future innovation.

Opportunity

Balancing business continuity with progress

The energy provider's existing on-premises environment became a blocker for growth, limiting agility and straining resources. Southwest Gas sought a more resilient and secure digital foundation on AWS to help it continue delivering reliable energy while also modernizing IT operations. This launched a transformation journey that would accelerate innovation and enable future digital initiatives.



35%
improvement
in SAP system
performance



Solution

Going beyond lift and shift for a more powerful modernization

In four months, Southwest Gas migrated its critical SAP landscape to AWS for RISE with SAP. The energy provider saw 35% improvement in system performance, with 80 million transactions processed in under 10 milliseconds.

Enhanced compute capacity on AWS gave the company the scalability to meet peak demand while strengthening business continuity. By consolidating applications and infrastructure into a single contract, Southwest Gas streamlined operations and reduced risk. It also freed up IT resources for more high-value initiatives.

Significant annual infrastructure savings improved cost efficiency and gave the finance team greater flexibility in planning and investment decisions. The move also reduced the company's data-center footprint, lowering operational complexity while improving sustainability.

“Having AWS on the cloud journey helps us innovate much faster. The depth of AWS solutions is a valued advantage for our future roadmap.”

Laxman Challa
Director, Application Services
Southwest Gas



4 months to complete migration

80M
SAP transactions in
<10 milliseconds

Key takeaway

By migrating SAP systems from data centers to AWS, Southwest Gas reduced costs and improved performance.

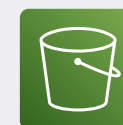
Built with



Amazon Elastic Block Store (Amazon EBS)



Amazon Elastic Compute Cloud (Amazon EC2)



Amazon Simple Storage Service (Amazon S3)

California DHCS

Reimagining Medicaid admin with cloud architecture



Opportunity

Millions of members, one critical system

Over 13 million members rely on Medi-Cal services. A critical component that keeps the program running smoothly is the California Medicaid Management Information System (CA-MMIS). This, and the Medi-Cal Providers website, processes roughly 200 million claims annually. But the decades-old system was inflexible and costly to maintain, hindering the state's ability to support efficient, accessible, and high-quality care.



\$600k
annual
infrastructure
cost savings

Overview

The California Department of Health Care Services (DHCS) operates Medi-Cal, serving the largest Medicaid population in the US. Previously, the program's aging IT system hindered efficiency and increased costs. Working with IBM Consulting, DHCS migrated to a cloud-based architecture on Amazon Web Services (AWS) and delivered expanded capabilities that reduce costs and help nearly 30,000 providers eliminate administrative inefficiencies.



Solution

A modern digital framework designed for care

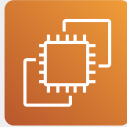
DHCS worked with AWS Partner IBM Consulting to deliver a cloud-based architecture that optimizes both costs and performance. The state anticipates this flexible solution will deliver savings of USD \$600,000 per year against infrastructure costs. The updated CA-MMIS system provides enhanced security, efficiency, reliability, and maintainability.

The initiative onboarded over 30,000 providers and helped the provider and submitter communities achieve faster service turnaround. For instance, Personal Identification Numbers (PINs) are now reset in near real time, while the previous approach took 30 days.


“By delivering digital transformation in CA-MMIS operations, we have set a new standard for innovation and collaboration, while relentlessly focusing on provider experience.”

Bill Otterbeck
Deputy Director Program Operations
DHCS

Built with



Amazon Elastic Compute Cloud (Amazon EC2)



Red Hat OpenShift Service on AWS (ROSA)

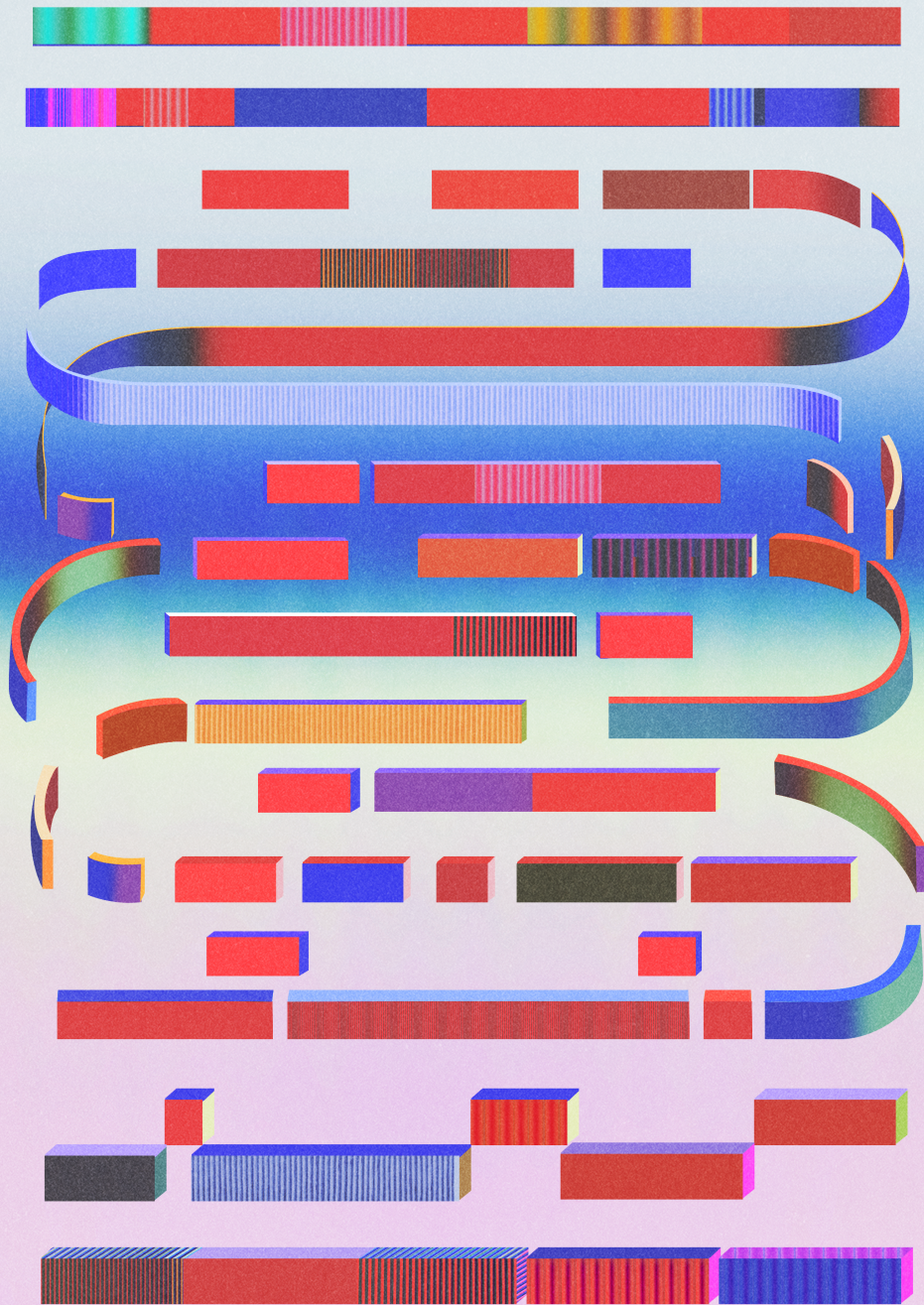


3.1k providers eliminated paper processes

30k providers onboarded to new portal

Key takeaway

A cloud-based architecture optimized costs and performance.




Explore how IBM is driving AI-powered migration and modernization on AWS.

Scan to learn more:



www.ibm.com/consulting/aws



© 2025 Amazon Web Services, Inc. or its Affiliates. All rights reserved. Amazon Confidential and Trademark.
© Copyright IBM Corporation 2025: IBM and the IBM logo are trademarks of International Business Machines Corporation, registered in many jurisdictions worldwide. Other product and service names might be trademarks of IBM or other companies. A current list of IBM trademarks is available on [ibm.com/trademark](https://www.ibm.com/trademark).