



Navigate a successful journey to AWS with Noventiq

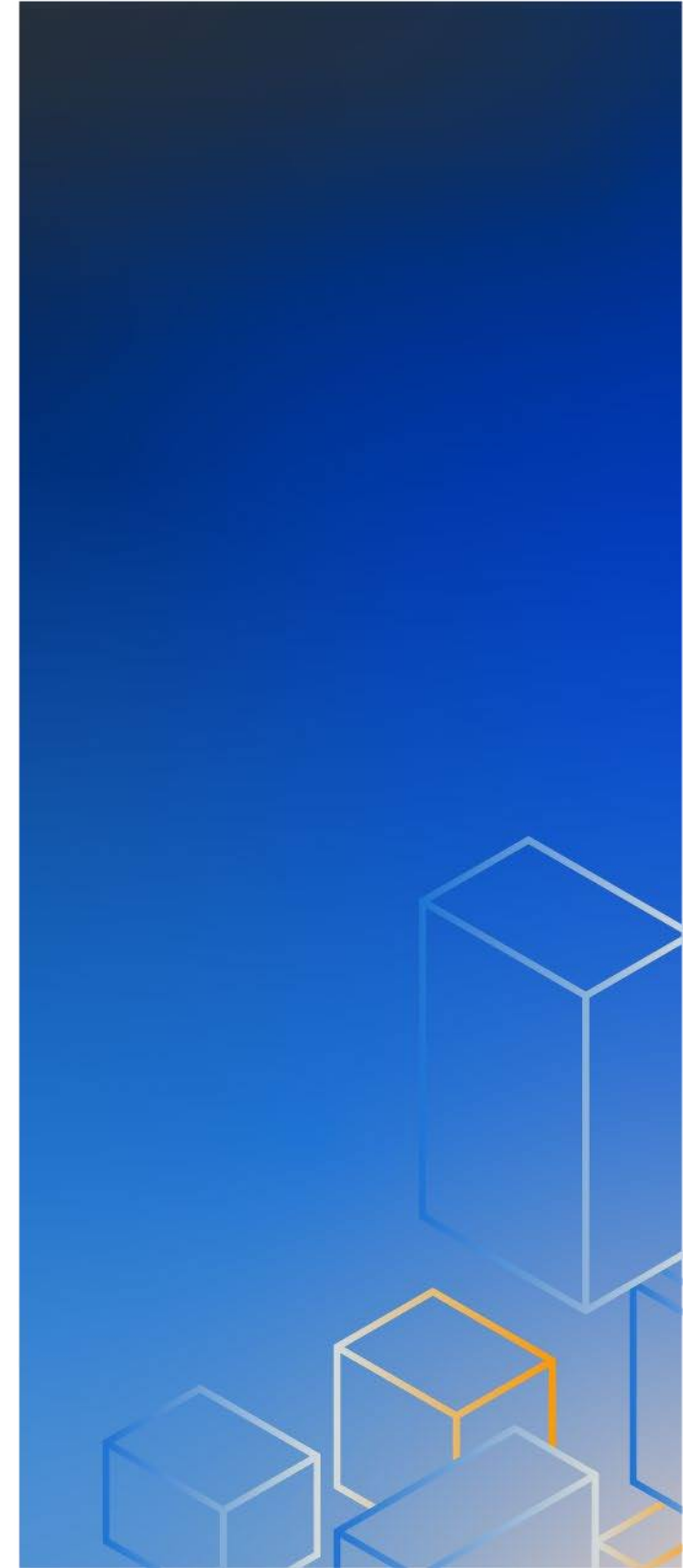
Migrating critical applications,
infrastructure, operations, and
management to the AWS Cloud

In collaboration with



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Becoming a modern business

To remain competitive and win in the digital era, today's businesses must adapt to rapidly changing market conditions, manage and derive insights from massive volumes of data, and meet the rising demands of today's always-on customers. In short, they must modernize—rethinking processes and leveraging technology to seize opportunities earlier, derive maximum value from their investments, and innovate faster than ever before.

Many organizations are instituting digital transformation initiatives in response to these growing pressures. They're embracing new ways of building applications and services, connecting previously siloed data, and streamlining processes to accelerate innovation and delight their customers.

Digital transformation promises substantial rewards, with leading companies achieving critical business advantages such as higher productivity, faster time to market, and a stronger bottom line.

Why migrate to AWS?

To boost innovation, respond quickly to changing demands, and drive business transformation, organizations are migrating their infrastructure and applications to AWS. Modernizing on AWS enables streamlined operational practices that lead to measurable results.

While migrating to AWS offers many benefits and opportunities, successful migrations take planning and expertise. Organizations also need to understand the challenges they're likely to face as part of the process.

With an experienced AWS Migration Competency Partner such as Noventiq by their side, businesses can anticipate those challenges and accelerate their cloud journey to achieve benefits faster.

¹["The Business Value of Migration to Amazon Web Services," The Hackett Group, 2022](#)



On average, migrating to AWS delivers:

20% average infrastructure cost savings¹

66% increase in administrator productivity¹

43% faster time to market for new features¹

29% increase in staff focus on innovation¹

45% fewer security-related incidents¹



Understanding the two stages of digital transformation

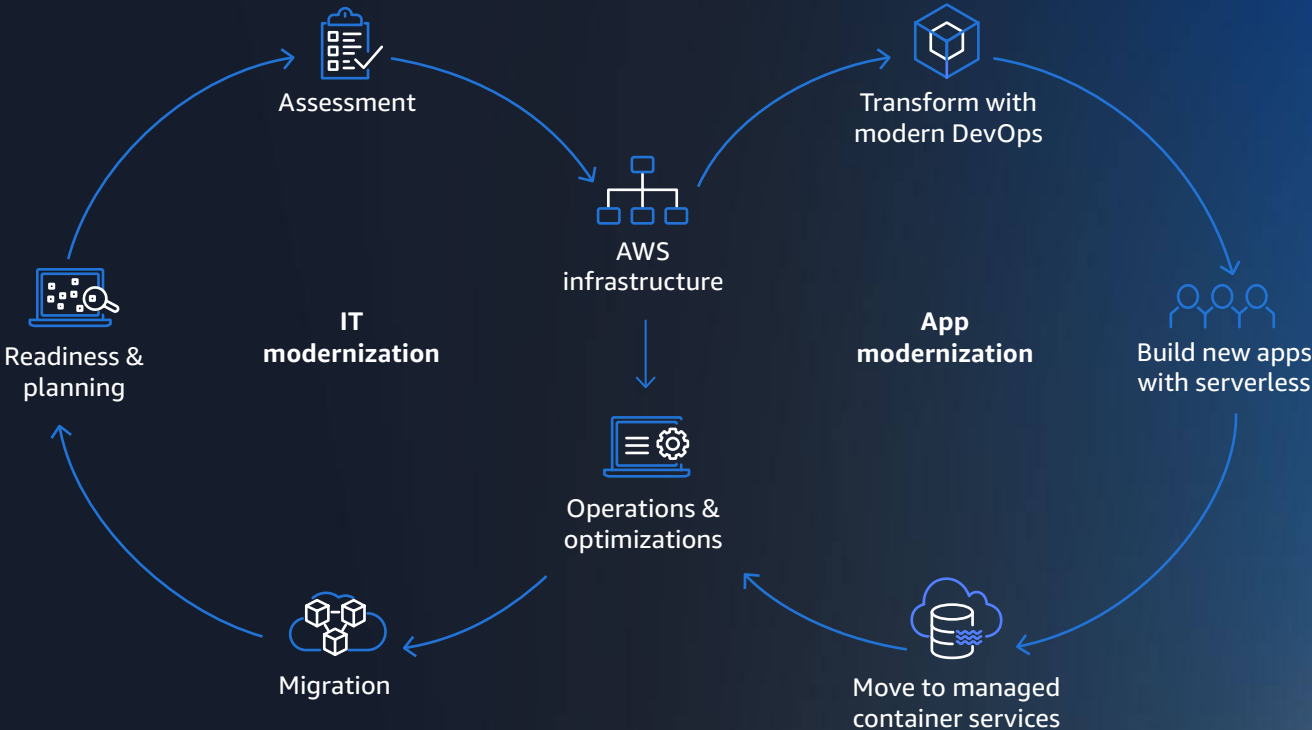
No two digital transformations are the same. But, by helping thousands of organizations successfully transform, Amazon Web Services (AWS) has seen distinct patterns emerge.

Many AWS customers have found it beneficial to break the larger digital transformation effort into two stages: IT modernization and application modernization.

IT modernization involves transforming legacy systems, processes, workloads, and infrastructure as you migrate to the cloud. This stage will be the primary focus of this eBook.

Application modernization leverages cloud native systems and services to drive a new iterative, intelligent, and agile way of harnessing data and developing applications.

Read on to discover how IT modernization works, why it's important, and how your organization can realize the associated benefits on your path toward digital transformation with the help of Noventiq.

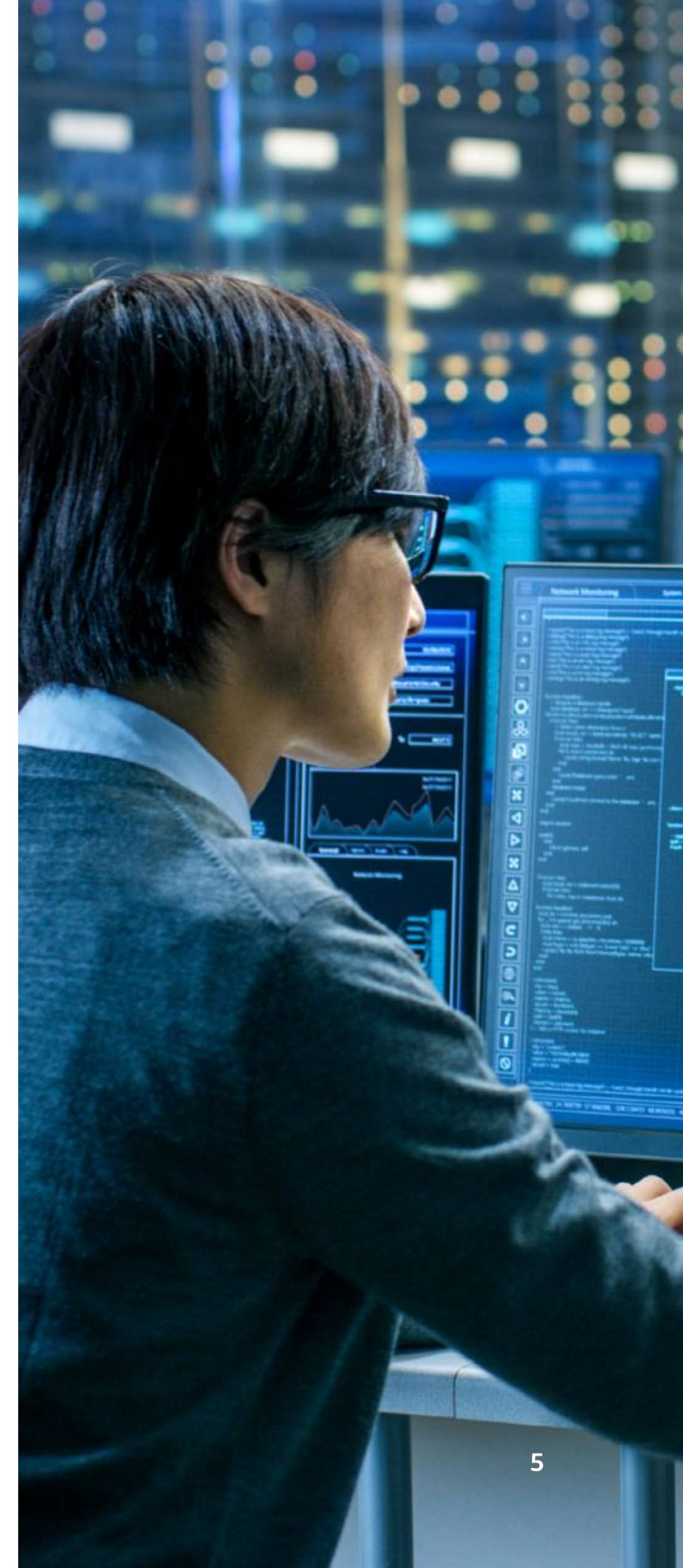


Accelerate IT modernization with cloud migration

The cloud provides the ideal environment for IT modernization. Working with a cloud vendor allows you to access and benefit from powerful hardware, software, and services. This also enables your IT team to spend less time on infrastructure maintenance and more time focusing on customer needs and pursuing differentiating work.

The cloud makes it possible to convert IT investments from fixed to variable, helping you improve cost-efficiency through pay-per-use models. The right cloud partner can provide you with high availability; fast, efficient storage; and strong security—protecting your reputation and your assets. And the cloud can give you peace of mind for the future. You can scale up or down as your needs change, and your provider will take care of any updates and patches, removing the operational burden from your team.

But before you can take advantage of the cloud, you'll need to migrate your workloads and applications.



Is it time to migrate?

Here are some questions you should ask as you decide whether to migrate to the cloud and determine how encompassing your cloud deployment should be:

1. Is keeping your apps and data on-premises preventing your business from delivering a better customer experience, developing new products and services faster, and ultimately increasing your competitive position and company value?
2. Are you spending time finding and training skilled professionals to manage, maintain, and provision hardware and software, manage licenses, create and maintain security postures, and ensure compliance for things that could be relocated or replaced in the cloud with fully managed offerings?
3. Is your current infrastructure delivering the performance and scale needed to keep teams working efficiently? Is your critical business data accessible and delivering the insights your business needs to compete? Are your legacy systems integrated with modern systems to deliver optimal customer experiences?
4. Does your team have the necessary skills and experience to complete a migration without assistance? Should you engage with a third-party vendor to provide backup and training and help drive your migration? Will working with an experienced partner accelerate the achievement of your migration and modernization goals?

Once you've made some decisions about when and what to migrate, you can start crafting the strategy that will guide you through the actual process of migration. But first, it's important to have a general understanding of that process, how it works, and how it integrates with your broader modernization efforts.

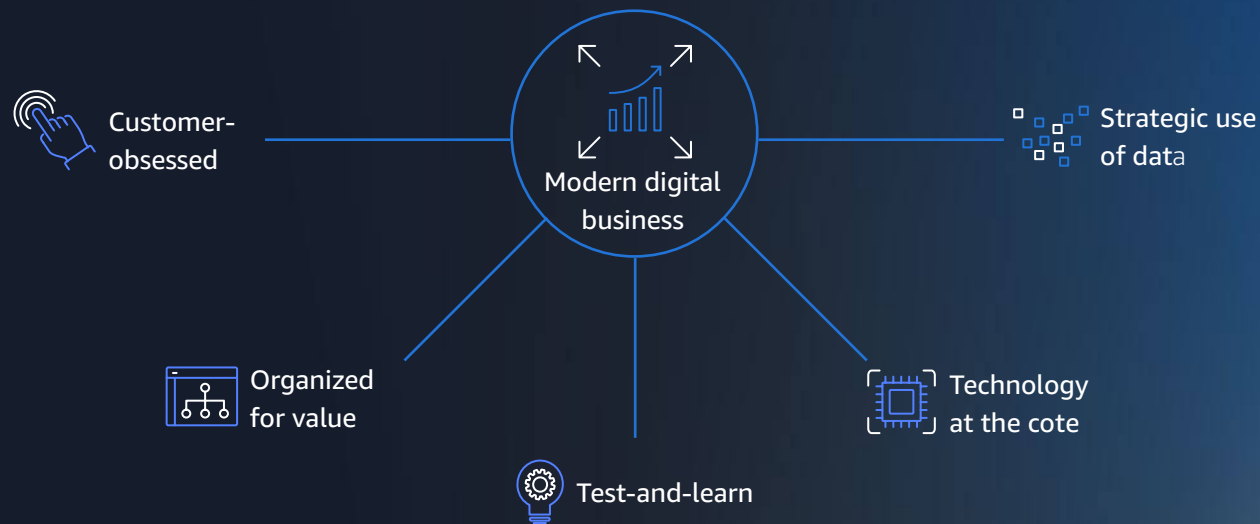
Forging the migration/modernization connection

Understanding the migration process is key to taking full advantage of the cloud. One way to think about the move to the cloud is to look to the natural world and other species' migration patterns. Whales, for example, migrate to new environments to gain access to better food and conditions that allow the pod to prosper and grow. Knowing they must move is only one piece of the puzzle; whales must also partake in the process, caring for each other and ensuring all members of the pod have what they need as they adjust to any unforeseen circumstances along the way.

Transforming your business in the cloud is a similar process. First, you choose a provider and migrate your applications, infrastructure, and data. But, just as the whales must adapt to changes as they migrate, it's what you do throughout and after migration that will enable you to arrive at the ideal destination. Up to now, we've been speaking about migration as the first phase or starting point of IT modernization. And that's true in the sense that the cloud is the ideal environment for modernization, and migration is how you get there. But it's not always a linear, migrate-then-modernize process.

Migration and modernization are more like two sides of the same coin. The order in which they happen will be unique to your needs and to the characteristics of the workload or app. Migration and modernization will also overlap and intersect, and the right strategy will have you migrating while you modernize and modernizing while you migrate.

Characteristics of a modern enterprise



Planning your modernization strategy

The right strategy can help you migrate and modernize faster, smarter, and with minimal downtime. Use the following steps to guide you as you consider and create your migration plan:

1. Make sure you build a foundation in cloud operations that will help your team transition to managing, monitoring, and continually optimizing your new cloud resources.
2. Consider the tools and services you'll need to efficiently migrate your servers, applications, and data to the cloud.
3. Prioritize which workloads will derive the most benefit from cloud infrastructure and cloud-native services.

Once you've devised a solid plan, you'll be poised to choose your migration and modernization partner.



Realizing the benefits of IT modernization with AWS and Noventiq

When organizations modernize their IT with AWS and Noventiq, they reduce costs in a number of ways and gain better business agility and control over their applications, data, and infrastructure. With easier access to critical data, these organizations can uncover business insights faster, and take advantage of more opportunities for growth.

Discover multiple avenues for cost savings

IT modernization drives down infrastructure costs, with the average organization saving 31 percent by migrating and modernizing with AWS.

Further savings can be realized by reducing or eliminating costs associated with licensing, software patches, maintenance, and capacity and infrastructure upgrades. Modernization frees your IT staff from operational burdens, allowing them to focus on higher-value tasks—like discovering new efficiencies and ways to reduce spend.

Differentiating yourself with data

Digital transformation truly begins when you go beyond what you do with your apps and differentiate yourself with data insights. The employee, customer, and transactional data you've gathered over years or decades can help you stand out, serving as the foundation for innovation and competitive differentiation at your organization.

Driving modernization through migration

Moving data to AWS opens opportunities to rethink how you build and deliver software. Your move to AWS should include planning for transitioning people skills to cloud operations and DevOps. Re-platforming and refactoring applications is your opportunity to drive change and efficiencies in your business.



Find the migration path that's right for you with Noventiq

Cloud migration can be complex and challenging. But you can get it right with guidance by experts and experienced professionals who help build a cloud strategy with measurable outcomes. As an AWS Premier Consulting Partner, Noventiq puts you on a clear migration path beginning with an accurate assessment, moving on to strategies to minimize disruption, and tested methodologies to ensure high performance.

From lift and shift, migration, and optimization to automation, Noventiq is a trusted advisor to customers who understand that modernization is the way forward. Our cloud migration professional services include AWS data migration, server migration, and application migration to AWS Cloud.

Benefits of migrating and modernizing on AWS with Noventiq

Noventiq combines the latest AWS technologies, expertise, and tried and tested methodologies to craft the best migration approach for your business.

Ease into innovation

Change the way you deliver applications with a "migration as code" approach, ensuring agility and high quality while saving on costs.

Achieve outcomes faster

Get results from your migration with the right tooling, integrations, resource optimization, and goals aligned to business needs.

Think cloud-native

Go cloud native with containers, microservices and serverless to achieve zero downtime, faster releases, and innovation.

Step in with a security-first stance

Ensure security right from your first step into the cloud with compliance, access control, continuous monitoring, and risk remediation.



Case study: Canara HSBC



Canara HSBC is a well-established and popular Life Insurance Company in India with around 100 branch offices in India. A joint venture between Canara Bank, HSBC Insurance (APAC) and Punjab National Bank, the conglomerate has a vast portfolio of life insurance solutions and products across individuals and groups consisting of online term plans, life, health, and retirement solutions to name a few.

As a prominent financial solutions provider, Canara HSBC manages a huge volume of customer portfolios and adds new services and features to enhance customer experience. Their complex AWS architecture supports large financial data processing workloads and ensures fast and secure delivery of insurance services.

With multiple AWS accounts across different departments, Canara HSBC wanted easy management of operations to ensure cost control and visibility into security and resource utilization. They also wanted to enable a robust and reliable AWS environment that would scale according to their growing workloads.

Beginning with AWS migration, Noventiq tailored solutions that help Canara HSBC leverage AWS services and AWS Best Practices for achieving their goals. The insurance giant is well on their way to achieving visibility into resource utilization leading to significant cost control, and a highly reliable, performance driven and secure environment with Noventiq Managed Services, and faster delivery through DevOps practices.

Case study: Orix Auto Infrastructure Services



Orix Auto Infrastructure Services (OAIS), a subsidiary of Orix Corporation in Japan, provides a range of transport solutions for companies looking to rent or lease automobiles in India. After more than two decades operating in a data center, OAIS began migrating to AWS to achieve improved performance and scalability in a modern cloud environment.

OAIS worked with Noventiq to migrate to AWS. Noventiq set up a multi-Availability Zone architecture on AWS to ensure fault-tolerant applications and used CloudEndure Disaster Recovery to move data to the cloud. As a result, OAIS consistently maintains at least 99 percent uptime across applications.

By migrating to AWS, OAIS was able to launch a comprehensive, self-service leasing portal with more than 30 integrated application programming interfaces. Scalability and an elastic infrastructure are key for this new online platform, which serves corporate customers, vendors, and dealers. With AWS, OAIS has transitioned to a pay-per-use costing model and can efficiently scale its operation according to fluctuating demand. It also benefits from robust disaster recovery (DR) on the AWS Cloud across all four of its business units and has dramatically improved security and risk management with segregated production, testing, and log environments.

[Read the latest AWS and Noventiq cloud migration case studies](#)





Kickstart your business transformation

Since 2006, AWS has been the world's most comprehensive and broadly adopted cloud platform.

Noventiq can help you navigate every step of your AWS migration—from consulting, through transformation, to management and operations—to help you accelerate your business innovation.

Noventiq's AWS migration experts help you avoid common pitfalls and adopt a cloud solution that is right for your specific business context, strategy, and application requirements.

[Learn more and get a free consultation from Noventiq >](#)

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