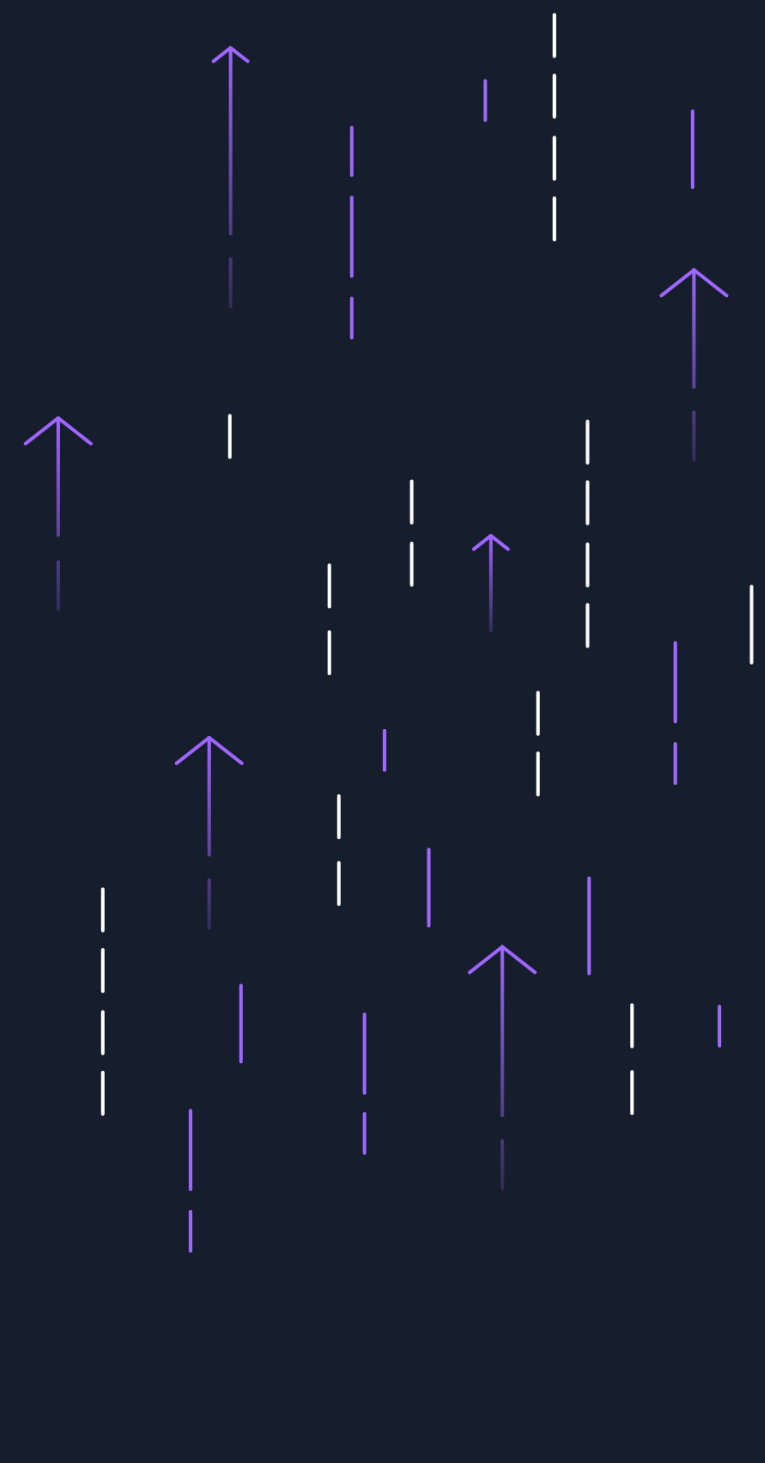




NTT DATA

NTT DATA Cloud Application Migration & Modernization

Transform your business through guided migration to the AWS Cloud





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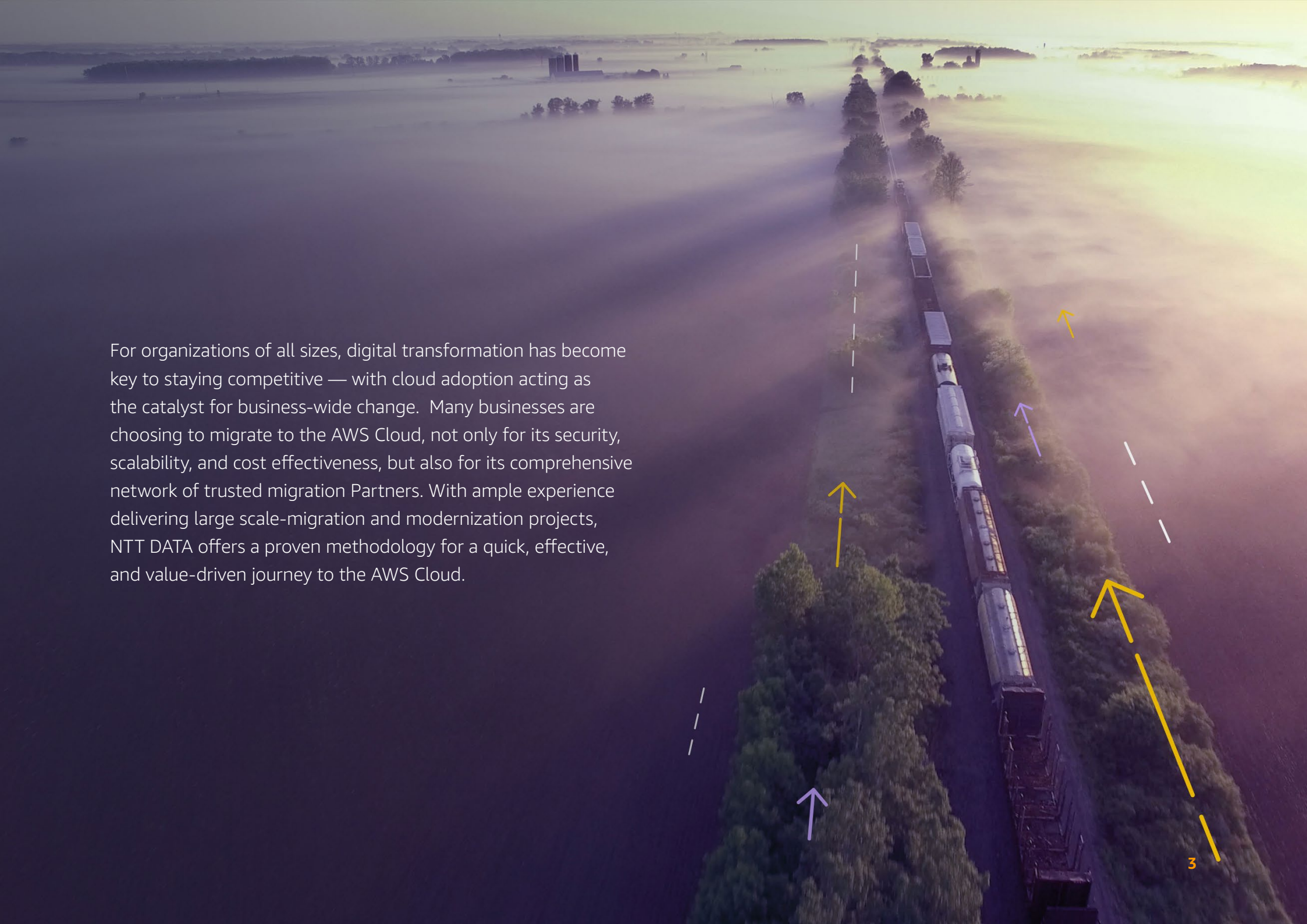
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An aerial photograph of a train traveling through a landscape shrouded in thick fog. The train, consisting of several passenger cars and a locomotive, is positioned in the center-right of the frame, moving away from the viewer. The fog is dense and white, covering the ground and obscuring the details of the surrounding environment. In the distance, some industrial structures and trees are visible through the haze. The sky is a pale, hazy blue. Several colored arrows are overlaid on the image: a yellow arrow points upwards from the left side of the train; a purple arrow points upwards from the right side of the train; a yellow arrow points upwards from the right side of the train; a yellow arrow points upwards from the right side of the train; a yellow arrow points upwards from the right side of the train. Dashed white lines are also visible on the ground, indicating a path or boundary.

For organizations of all sizes, digital transformation has become key to staying competitive — with cloud adoption acting as the catalyst for business-wide change. Many businesses are choosing to migrate to the AWS Cloud, not only for its security, scalability, and cost effectiveness, but also for its comprehensive network of trusted migration Partners. With ample experience delivering large scale-migration and modernization projects, NTT DATA offers a proven methodology for a quick, effective, and value-driven journey to the AWS Cloud.

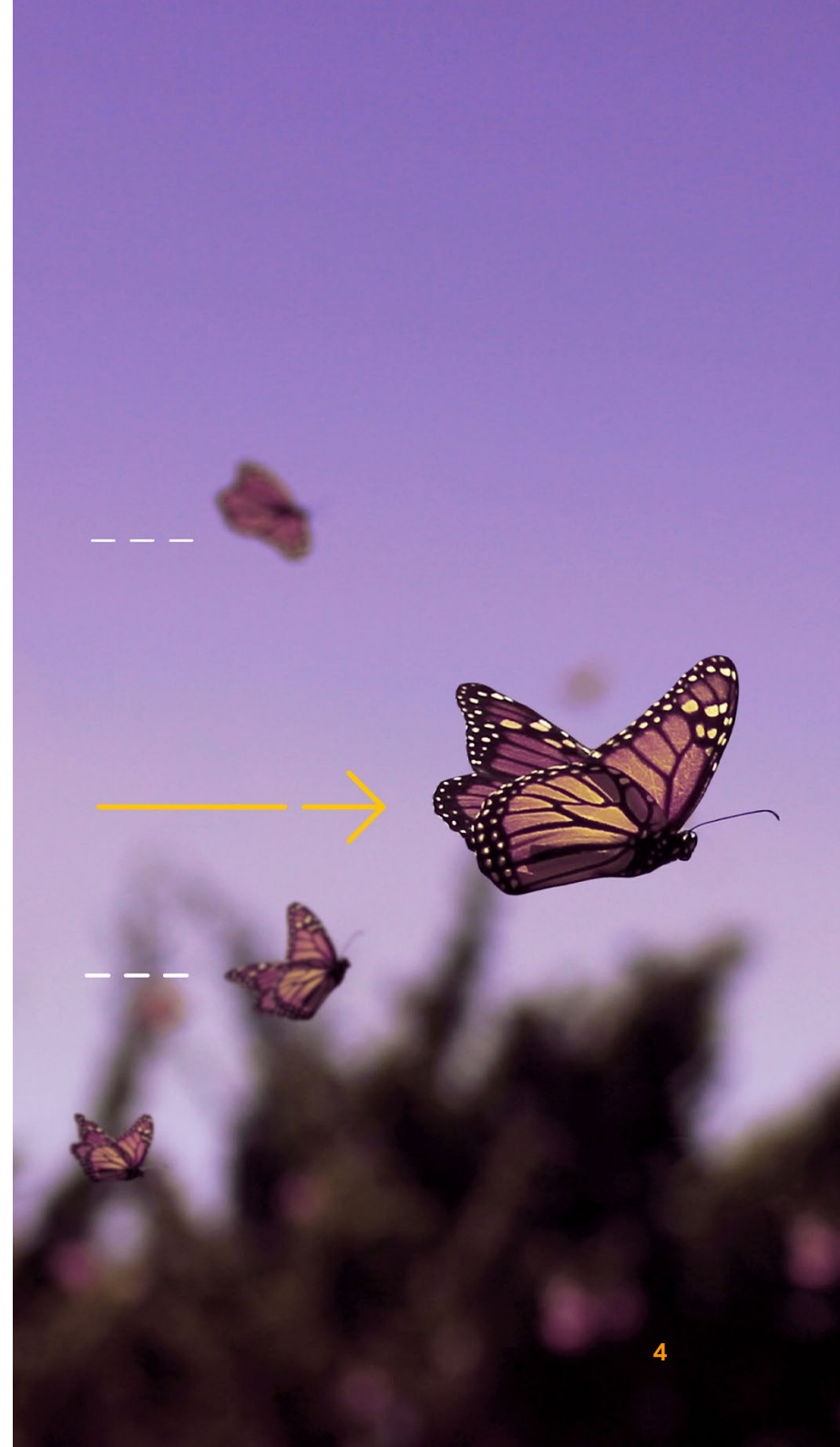
The Cloud is Reshaping IT

With the need to deliver new value across their business, many organizations are seeking to accelerate digital transformation to drive innovation and stay ahead of the competition. However, many of them quickly discover that there is a significant obstacle to this change.

In our data-driven age, legacy systems are no longer fit for purpose, failing to deliver the agility, scalability, and performance that have become vital to success. To stay competitive, businesses are rushing to advance and adapt — with cloud adoption powering a drastic evolution of IT.

By migrating to the cloud, organizations are accelerating business-wide transformation, driving improvements to productivity, agility, and operational resiliency while significantly reducing costs and time to market. However, that isn't to say that the journey is without challenges of its own.

Cloud migration is a complex process that requires a careful, iterative approach, not to mention a significant change in culture, mindset, and talent. With a comprehensive framework for migration — coupled with a network of expert partners — your organization can realize the true value of the cloud with AWS.



Why migrate to AWS?

Choosing the right cloud platform is the first step towards a comprehensive and efficient migration that meets all of your business needs. With over a million active customers and a global cloud presence, AWS has many years of experience helping organizations of all sizes migrate to the cloud.

In a recent whitepaper, IDC found that customers who migrate to AWS can experience 51% reduced costs of operations, 62% increased IT staff productivity, 94% less unplanned downtime, and a staggering 637% ROI — breaking even on their initial investment in just six months on average.

So, how can you accelerate your own journey to AWS?

The AWS Migration Acceleration Program (MAP)

The AWS Migration Acceleration Program (MAP) is a proven and all-encompassing cloud migration program. It combines best practices, tools, expertise, and financial incentives with a global community of qualified partners — making cloud adoption more accessible to all.

Created to help you reduce costs, innovate faster, and scale globally, the MAP consists of a three-phase journey:

ASSESS

Conduct a readiness assessment to identify and evaluate the strengths, opportunities, and business benefits of cloud migration.

MOBILIZE

Create a migration plan and detailed business case before building your experience by migrating pilot workloads.

MIGRATE AND OPTIMIZE

Execute the migration plan and optimize your workloads with a certified AWS Partner Network (APN) Partner.

Aligning closely with the MAP, NTT DATA have helped many customers to accelerate the rewards of cloud adoption using a low-risk, high-reward methodology. With ample AWS expertise, their migration & modernization process is designed to simplify your journey to the cloud.



Migration & Modernization with NTT Data

NTT DATA are an AWS Managed Service Provider (MSP) and Solution Provider with considerable experience guiding migration and modernization projects. They help customers to move their entire IT infrastructure, including operations, processes, and technological assets, to the cloud — carefully tailored to the AWS Platform and unique integration approach.

With AWS established as your platform of choice, NTT DATA follows a migration strategy based on an incremental, iterative, and adaptive methodology for transformation. This supports an accelerated approach that delivers more successful outcomes than traditional project management methods.

The Migration Methodology

NTT DATA's priority is to ensure that customers accomplish their main goals during the cloud adoption process, delivering the maximum value to an organizations business and wider IT. This process involves building a business case, defining and prioritizing customer data, and using custom tools to focus in on the real rewards of migration and modernization.

To promote a successful migration NTT DATA proposes the following steps:

1. CLOUD ENVISIONING (THINK BIG)

Once the need for migration is identified, the first course of action is to develop an initial strategy. This strategy must be easily understandable for those working in the cloud environment and agreed upon by all stakeholders.

Outcomes:

- Identify business motivation and determine immediately achievable gains.
- Develop a business case for further cloud migration and modernization.
- Determine which cloud adoption project should be tackled first to align business motivations with technical effort.

2. CLOUD BUILDING (START SMALL)

The Cloud Building phase involves converting your strategic goals into actionable steps, aligning operational, organizational, and technical efforts (and resources) through an appropriate plan.

Outcomes:

- Plan for organizational and operational changes required to properly run cloud migration.
- Initiate a cloud project as a proof of concept.
- Gain experience to determine which workstreams to pursue next.
- Guarantee that the customer is ready for the cloud adoption plan.

3. CLOUD RIDING (MOVE STEADY)

Execution of the migration & modernization phase follows previously defined plans and enables automation during the migration process.

Outcomes:

- Undertaking the infrastructure and data migration process.
- Workload migration that considers application dependencies.
- Automated technical and functional testing.
- Monitoring, optimization, and support of the applications in cloud.

Tools for Migration & Modernization

To structure the migration & modernization process, and ensure the quality and efficiency of cloud adoption, NTT DATA's methodology is supported using the following assets:



CLOUD STRATEGY CANVAS

A process to determine key business motivations for cloud adoption while also considering the unique technological challenges each customer might face.



In a three-hour specialist-led workshop, ambitions and expectations are discussed to align all stakeholders and discover key transformation priorities.



RAPID CLOUD MATURITY ASSESSMENT

Identifies the target state of maturity level from four unique perspectives: Strategy, Technology, Governance and Organization for the application landscape.



Questionnaires based on NTT DATA's years of migration experience are used to determine the best starting point for transformation.



CLOUD RADAR TRANSFORMATION DASHBOARD

An invaluable tool to develop the most effective cloud migration strategy, prioritize workloads, and personalize business evolution in real-time.



A set of metrics and dashboard to measure the entire transformation process, monitor ongoing objectives, and help C-suite executives make evidence-based decisions.

Customer Case Study

Application Modernization & Data Migration

CHALLENGE

With responsibility for the national electricity grid of a large European nation, a leading network operator found that their information and process management system was out of date.

The aging system faced ever-increasing maintenance costs, as well as complex security and scalability challenges that were becoming difficult to address.

In order to tackle these challenges, the network operator approached NTT DATA to lead a large-scale migration and modernization project.

SOLUTION

NTT DATA and the customer decided to revamp the entire consumption monitoring application (including front-end, API, and back-end) — transforming it into a cloud-native architecture while migrating all of their existing data to AWS.

Objectives included:

- Modernizing both the infrastructure and the application, facilitating improved maintenance and providing a service in accordance with the required SLA.
- Reducing application runtime costs by adapting them to pay-as-you-go, while also eliminating existing licensing costs.
- Increasing the global security of the application.
- Streamlining the efficiency of operating tasks.

RESULTS

Using a serverless approach, the network operator's application was migrated to a cloud-native architecture on AWS. This process included migration of all APIs, front-end and back end, as well as publication services and databases from Oracle to Amazon RDS. Optimized software provisioning was also implemented using CI/CD.

Once non-productive environments were shut down and serverless services had been implemented into the application, the network operator was able to achieve vital improvements to security and operational efficiency at significantly reduced cost.

Kickstart your Business Transformation

For many businesses, the cloud has become an essential stepping stone as they seek to accelerate the pace of digital transformation. With cloud-driven savings, optimization, and innovation being key to competitiveness—leveraging trusted guidance and expertise is the first step to success.

NTT DATA strive to help customers build an AWS architecture that best suits their needs, using the cloud to springboard both technological and cultural change. Offering more than 20 years of experience and highly qualified teams, their expert knowledge of AWS is your best guarantee.

By working together, it's no longer a question of how your business can adopt the cloud — but how you can improve your business in the cloud.

To discover how you can start your journey to business transformation, contact us here.

About NTT Data

NTT DATA is a multinational consulting firm providing business and strategy solutions, application development, maintenance, and outsourcing services. As a highly qualified AWS Advanced Consulting Partner and Managed Service Provider, we have been guiding efficient and rewarding customer migration projects since 1996.

AWS PARTNER HIGHLIGHTS

5

Partner Programs

100+

AWS Certifications

20+

AWS Customer
Launches



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