

Cloud-native Modernization and Migration Services



Maximizing the business value of cloud-native modernization

As organizations continue their digital transformation journeys, they are increasingly adopting cloud-native architectures to gain speed and agility, reduce costs and support innovation. To maximize the business value of these architectures, organizations must develop transformative strategies that align with their business goals and KPIs. Cloud-native success is being recognized beyond the walls of IT and is cutting across all business lines due to its ability to impact resilience, value creation and the customer experience.

70%

of large enterprises consider cloud-native modernization a top or high priority in the next 24-36 months.

Top enterprise business imperatives for cloud-native modernization:

- Operational efficiencies
- Cost savings
- Innovation
- Sustainability

Source: IDC InfoBrief: Realizing the Promise of Cloud with the Right Strategy for Modernization. June, 2023.

Holistic modernization and migration

Successful business transformations require a holistic approach that includes careful examination of all processes, people and technology. But organizations often lack the required cloud-native architecture and migration skills to create complete these transformations successfully.

With over 20 years of experience in global cloud services, NTT DATA brings a comprehensive approach to cloud-native modernization. Working with your teams, we can help you modernize your systems, processes and workflows, and improve resilience and reliability across your technology stacks.

From discovery to delivery, we focus on ways to speed up time to market, deliver business-essential applications with improved performance and drive continuous innovation and automation through next-generation tools and services.

We meet you wherever you are on your journey and help you adopt highly agile operating models with increased focus on DevSecOps and site reliability engineering (SRE) to accelerate the shift to modern, efficient operations. At every step of the transformation, security and compliance are built in to mitigate risk, protect from emerging cyberthreats and enable regulatory compliance.

The ultimate reason we selected NTT was the ease of doing business, their global reach and ability to help us scale and automate. It has been a game changer.

Dan Hedstrom, VP and CIO, Cubic

Our comprehensive approach includes:

- Cloud migration and transformation services
- Cloud-native modernization services
- Site reliability engineering (SRE) services
- Enterprise packaged applications

Cloud migration and transformation

We begin every transformation with discovery and assessment to gather critical information about existing systems. We then review your business objectives to create a plan that maps to desired business outcomes. Working together, we examine options such as building custom cloud-native apps, migrating legacy workloads or optimizing resources. Our cloud migration and transformation capabilities include:

- Cloud architecture strategy and design
- Migration assessment services for application workloads
- Migration execution: app deployment, data migration, IaaS transition
- Incident management: tracking, issue resolution, workload analysis
- Resource optimization: storage/compute, IaaS rightsizing
- Security services: governance, risk and compliance, zero trust and security remediation
- Business continuity and disaster recovery services
- Identity management: access control, single sign-on, security policies

Cloud-native modernization services

We work with you to create more agile, flexible and scalable processes and ecosystems with cloud-native technologies. Aligning to your business needs, we can rearchitect, rewrite or replace legacy systems and apps, so you can stand up a resilient and modernized environment equipped to handle today's digital transactions and experiences. With our decades of experience across all core industries, we've been able to build effective blueprints and accelerators to jumpstart industry-specific modernization best practices. Our cloud-native modernization services are designed to enable:

- Better support for AI and analytics for data-driven decision making
- Faster processing and app performance
- Improved user experiences for increased user engagement
- Improved security practices, tools and technologies
- Low code/no code apps for seamless transformations
- Replatforming of containers to cloud and/or refactoring legacy apps for containerization
- Cloud jumpstart with industry-specific, prebuilt microservices and APIs
- Legacy language modernization

Site reliability engineering (SRE)

We combine DevSecOps, FinOps and observability to improve the reliability and performance of software systems. SRE provides continuous monitoring with a set of practices, processes and tools. We establish service-level objectives, prevent failures, monitor KPIs, respond to incidents and offer continuous optimization of cloud resources. Our portfolio includes:

- Continuous cloud usage optimization: cost analytics and reports, resource utilization monitoring, resource lifecycle management
- Performance tracking and benchmarking
- Aligning cross-functional teams throughout the organization
- Cloud-rate optimization
- DevOps and SecOps support
- Performance management
- Observability SRE

Enterprise packaged applications

Business transformation can also be supported by off-the-shelf enterprise application packages that help you integrate and automate key processes. Our purpose-built services are designed to increase the effectiveness and performance of ERP applications and operations. We are 100% focused on customer experience and business outcomes, regardless of the size or scale of the ERP program. For SAP customers specifically, as you make decisions pertaining to S4/HANA, GROW or RISE, we help assess the pros, cons and what's best for your business.

I now have full-stack observability, not only from the application experience, but also visibility across the network experience. Now, I see everything. I see all the touchpoints and the failure points that are causing bottlenecks. With these real-time analytics, I know how many bookings are happening.

Alice McElroy, Royal Caribbean

We've completed over 5,000 SAP engagements, across 58 countries, so you can expect operational excellence, unbiased guidance from a vendor-neutral provider and full-stack confidence across private and public clouds. Our services and capabilities include:

- Continuous cycle of operation and optimization to ensure the best performance and increased efficiency
- Simplifying complex and expensive IT infrastructures to reduce total cost of ownership (TCO) and IT spend
- Cloud platform-neutral, with high automation
- Same tooling and delivery methodology across the globe to provide truly global services: one contract, one SLA.
- Top-tier business process and security certifications: ISO 27001, 27017, 27018 and SOC

2 billion

threats mitigated every year through our Security Operations Centers



The initiative to move our SAP HANA-based platform to AWS in partnership with NTT was a very smooth project that ran on time and on budget. Their experience in AWS, beyond saving us significant hosting costs, has been very stable and an excellent experience.

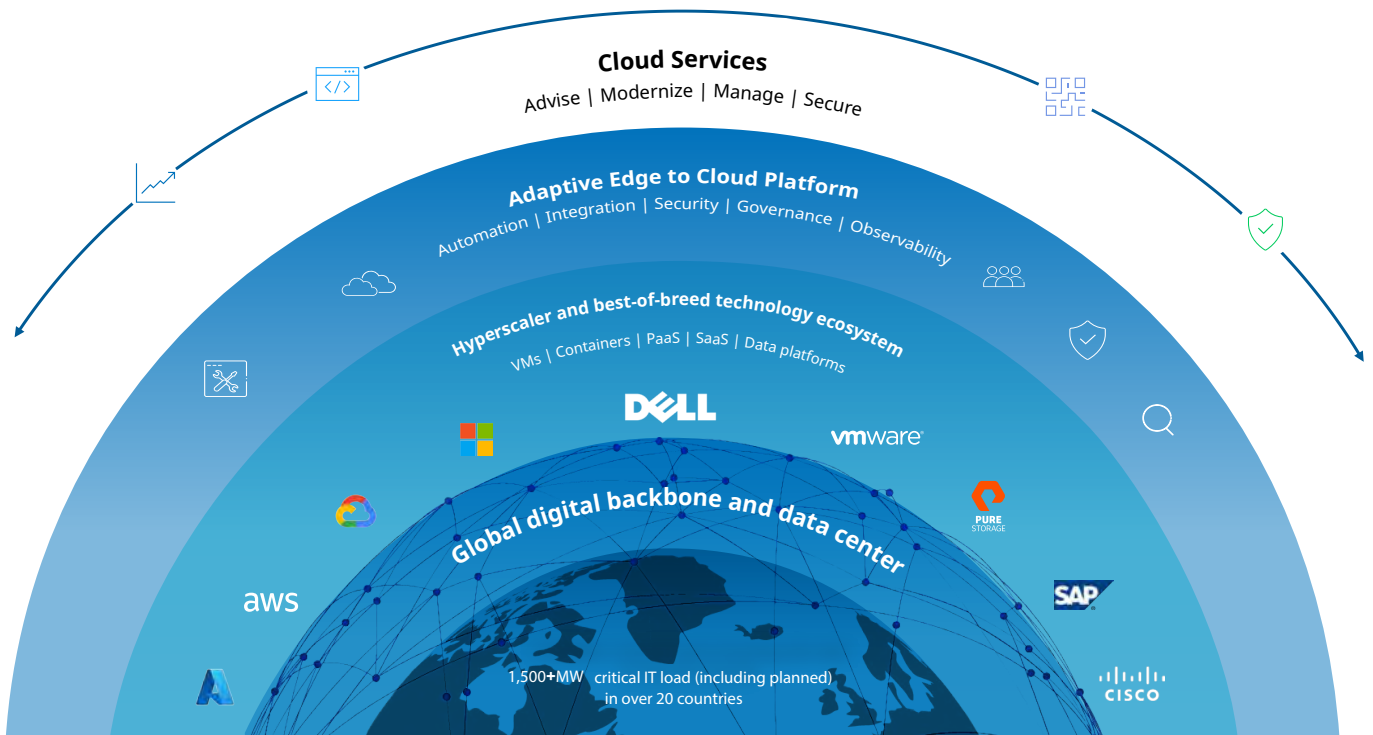
Pete Kelso, SVP, Chief IT Officer,
Financial Transformation, Aflac

End-to-end security and compliance

Successful cloud-native transformation relies on iron-clad security for your applications and platforms. That's why we embed security into every layer of the application architecture, covering identity and access management, API security, container security, workload security and more. The goal is to protect against vulnerabilities unique to cloud environments while keeping your workloads compliant with industry and country or regional regulations and standards.

A single solution for continuous modernization

From data center and networks to cloud and business-critical applications



Realizing the full value of cloud-native modernization and migration services



Business agility

- Increased application processing, response times and performance
- Faster development and deployment cycles
- Simplifying complexities to improve user experiences and engagement
- Gaining more real-time data and insights for faster decision-making
- Faster recruiting and better retention of skilled workers with attractive modern technologies and agile working models



Lower costs and TCO

- Right-sizing application portfolios
- Automating processes and optimizing resources
- Leveraging API-driven and DevSecOps mechanisms for more efficient operations
- Gaining on-demand scalability to meet changing market and customer needs



Resilience and innovation

- Improved security and governance by adopting modern cloud security practices, tools and technologies
- Agile, product-centric operating models with DevSecOps and SRE to reduce costs, increase reliability and ensure ongoing optimization
- Continuous innovation with better support for new initiatives in 5G, IoT, edge, AI and future tech
- Leveraging our expertise and comprehensive solutions to mitigate risk
- Transferring important skills to employees through our partnership

Why NTT DATA

Simply put: we do cloud-native modernization and migration right. We use a combination of tools, best practices, code bases and accelerators to ensure your cloud-native applications, workloads and business processes are improving time to value for your organization. Working alongside your team, we build, deliver, manage and maintain cloud-native applications and services. Our cloud-native transformation and development

practices, site reliability engineering and enterprise application services will improve your speed to market, resolve vulnerabilities in your applications and technology stacks before they impact your business and reduce the time it takes to deliver business-critical applications. Plus, with our industry cloud blueprints and building blocks, you'll have more time and budget to innovate and drive end-to-end reliability across a variety of cloud platforms.



Global reach and local delivery: 4,200+ highly skilled engineers across five continents.



Comprehensive portfolio of services: We provide consulting, technical and managed services to help clients achieve their cloud transformation goals.



Strategic cloud partnerships: Our robust partner ecosystem includes strategic partnerships and over 150 advanced certifications.



Full-stack differentiation: We offer full-stack expertise encompassing data centers and networks to cloud and applications.

