NTT DATA | Google Cloud

From migration to innovation

How to improve business processes and
customer experiences with cloud

Contents

The move to the cloud is not just a trend: it is a longer-term strategic imperative that can redefine the IT landscape and create significant business value.

In this guide, NTT DATA and Google Cloud explain how effective cloud strategies and build-and-run cloud infrastructure can enhance processes, productivity and customer loyalty for ongoing business success.
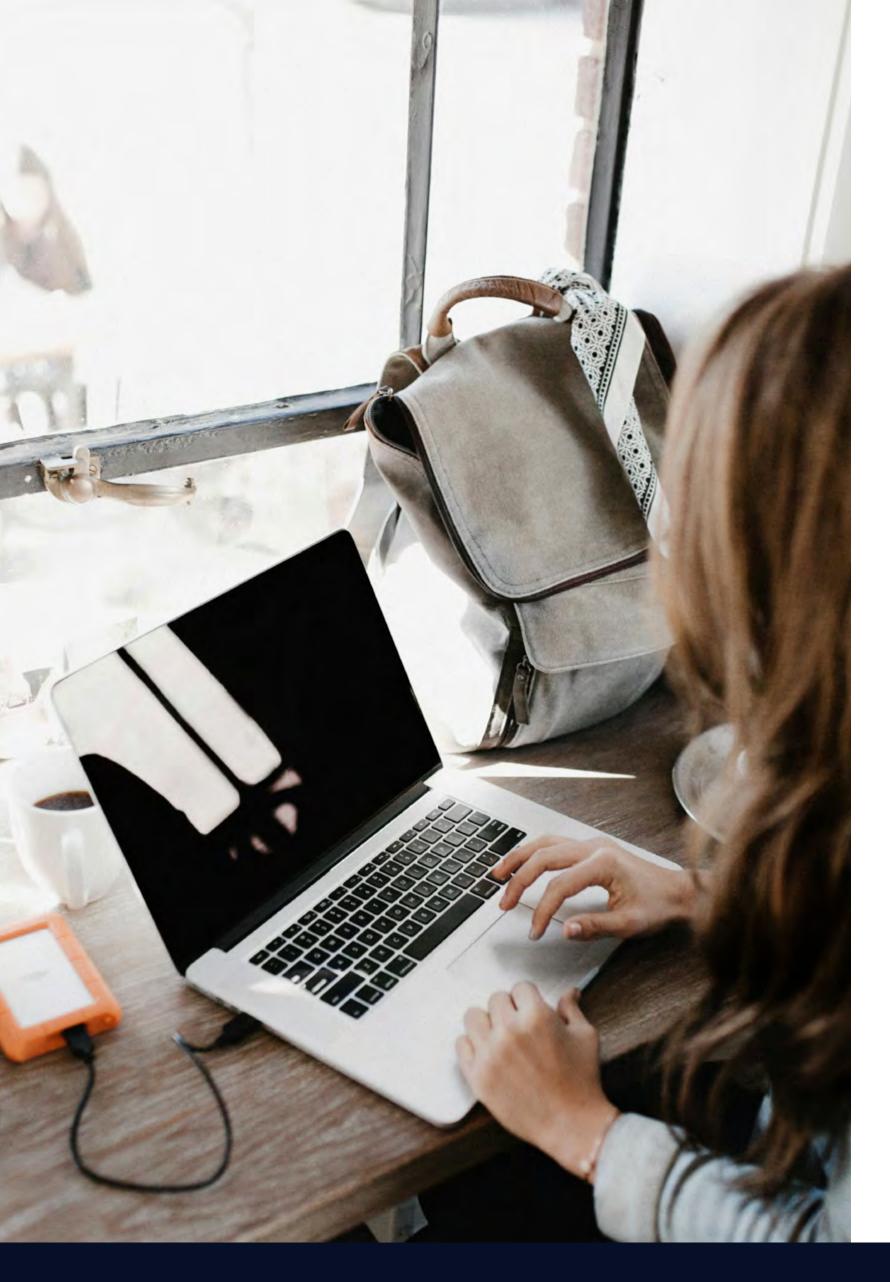
The accelerated shift to cloud computing

The migration to cloud-based solutions is happening much faster than predicted. Although this is driven mainly by the need to replace or modernize outdated technology for greater scalability and flexibility, it also presents an opportunity to drive innovation and efficiency within organizations.

"Worldwide end-user spending on public cloud services is forecast to grow 20.4% to total $675.4 billion in 2024, up from $561 billion in 2023", according to the latest forecast from Gartner, Inc. "This growth is being driven by generative AI (GenAI) and application modernization."[1]

A 2023 research report from Zippia reveals that 94% of enterprises are already using cloud services and 67% of enterprise infrastructure is now cloud-based.[2] And the global cloud computing market is expected to keep growing.

This accelerated adoption of cloud technology is largely a response to the challenges posed by legacy systems. But it also introduces new challenges, including legacy system integration and data migration and integrating GenAI and AI into existing infrastructure without disrupting operations.
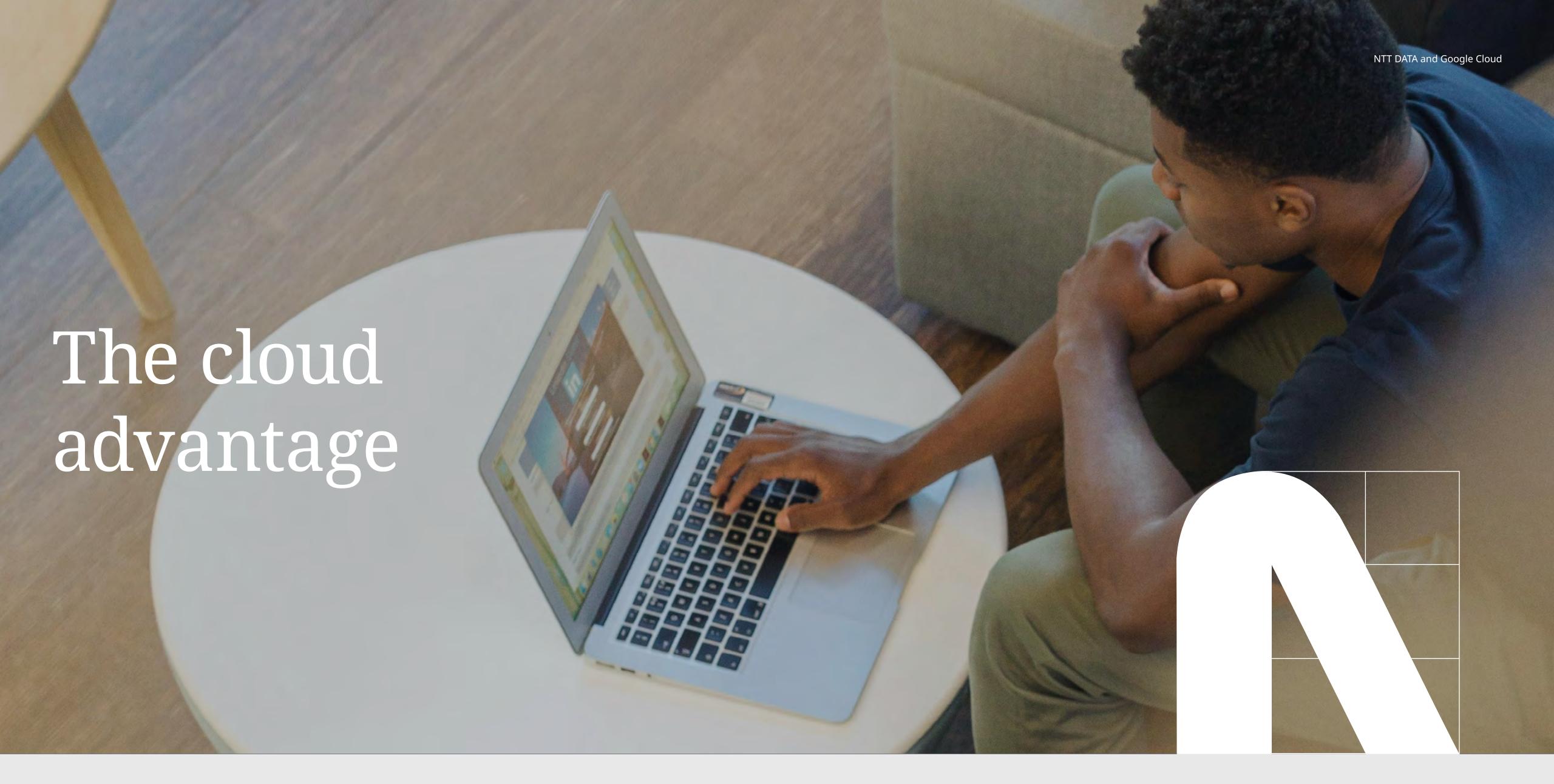
Cloud migration can improve business processes and customer experiences, accelerate innovation and create a competitive edge. However, it is important to navigate this transition thoughtfully, with robust security measures and effective change management practices in place to mitigate potential risks and disruptions.

> " This accelerated adoption of cloud technology is largely a response to the challenges posed by legacy systems.

[1] Gartner Forecasts Worldwide Public Cloud End-User Spending to Surpass $675 Billion in 2024, May 2024
[2] 25 Amazing Cloud Adoption Statistics [2023]: Cloud Migration, Computing, And More – Zippia, June 2023

The cloud advantage

For organizations, the mandate for digital transformation is clear: create business value from technology investments. Migrating to the cloud and modernizing cloud infrastructure is not just about staying current, it is about gaining a competitive edge.
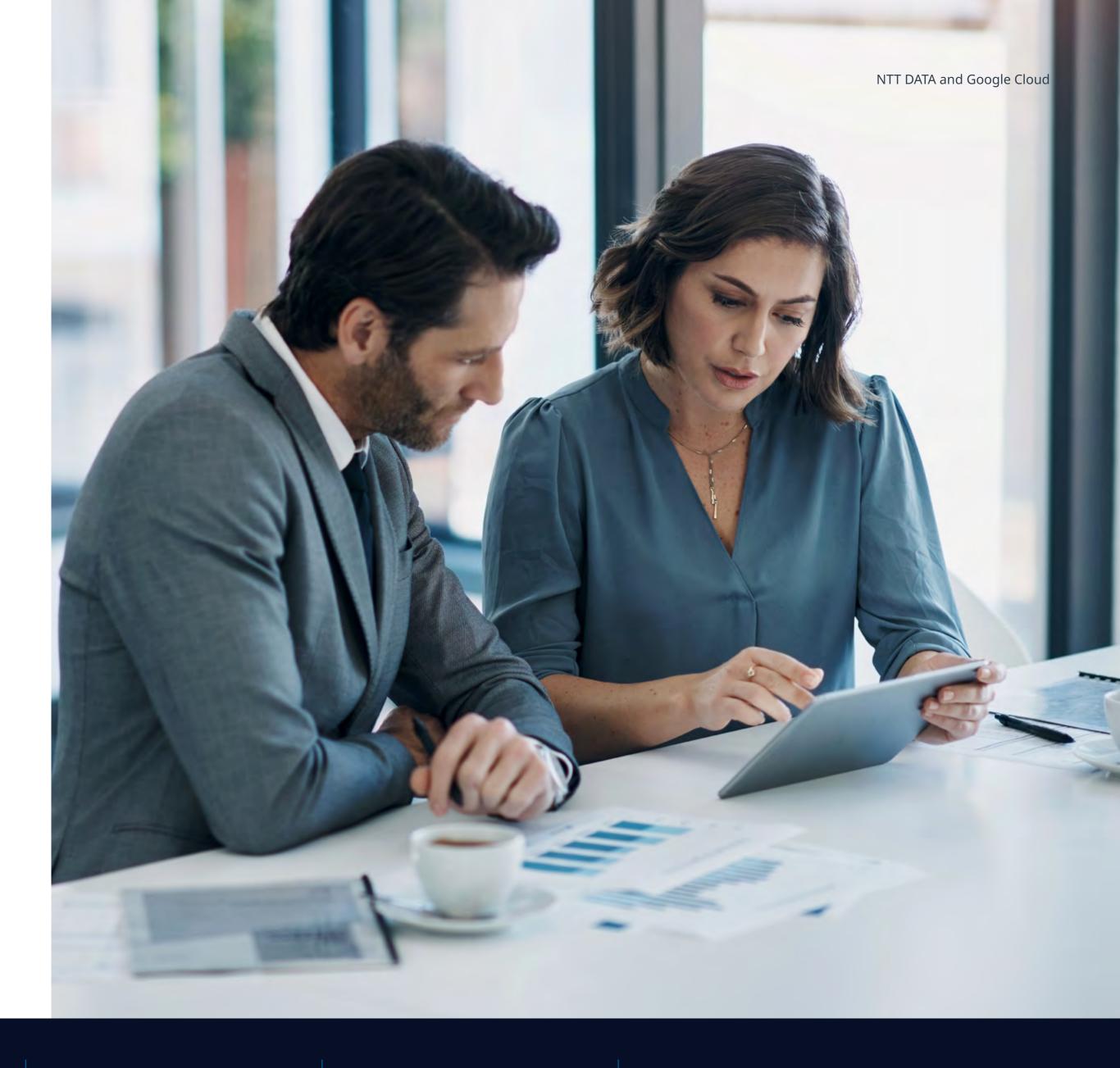
Cost savings

In most cases, cloud makes financial sense because it does not require a large capex investment and can help reduce costs and optimize performance.

Product innovation

Then there is the benefit of developing new products and services and getting them to market faster. Modernizing your infrastructure can significantly accelerate your organization's innovation cycle. Cloud platforms offer a range of advanced services, from machine learning to IoT, to help you develop new products and services. Cloud also enables rapid prototyping and deployment, reducing time to market.

Security and compliance

Cloud can also enhance your organization's security posture, as cloud providers invest heavily in security, offering robust protection that many organizations could not achieve on their own. Often, they also offer built-in compliance controls, helping organizations meet regulatory requirements.

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Successful cloud migration requires strategic planning and robust execution

Migrating or modernizing your current cloud infrastructure can deliver substantial advantages. However, it is important to approach this transition strategically, considering your organization's unique needs and circumstances.

Engaging a partner with a proven track record can significantly streamline your cloud migration and modernization efforts. Experienced partners have a portfolio of tested solutions that can be tailored to your specific needs, ensuring a smoother transition with minimal disruption.

Partners at the forefront of technology can introduce cutting-edge tools and practices, helping you stay ahead of the curve and drive continuous improvement.

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Together, NTT DATA and Google Cloud deliver scalable services using best practices in quality standards, security and compliance and with competitive pricing.

Google Cloud Platform (GCP) is a suite of cloud computing services that run on the same infrastructure Google uses internally for its end-user products. GCP offers a new route to cloud, covering everything from infrastructure and data to security, all enabled by GenAI. With 90 services for computing, networking, storage, big data, machine learning and management, GCP enables developers and businesses of all sizes to build, launch and manage their applications and online services.

The NTT DATA and Google Cloud partnership goes beyond migrating your organization to the cloud. We are committed to accelerating your innovation journey by helping you change how you use existing systems, optimize your work processes and transition to future capabilities. Our data-centric approach to cloud adoption ensures you are well-equipped to meet complex business challenges with innovative solutions.

> " Moving to the cloud can be a transformative shift that affects your people, processes and operating model.

Minimize migration risk

Cloud assessments help you make informed decisions, minimizing risk while ensuring service level agreements are maintained after cloud migration. Security is paramount, with AI-enhanced tools and expertise, including Google Sovereign Cloud, ensuring customer data control and supporting current and emerging sovereignty needs as you progress your digital transformation. With a presence in 50 countries and local market insights, NTT DATA works with Google Cloud to address diverse client needs on both a global and regional scale.

Increase return on investment

NTT DATA's Industry Cloud Platform hosts a catalog of industry solutions for cloud-native modernization on the Google Cloud Platform. With specialized skills, proprietary integration tools and solution accelerators, we offer a "cloud migration factory" that gets you to the cloud quickly, smoothly and cost-effectively. The quality, consistency and repeatability of our solutions means less risk, faster time to value and greater ROI. Our validated designs are proven differentiators your business can trust.

Prepare to innovate

Moving to the cloud can be a transformative shift that affects your people, processes and operating model. We support you with your technology operating model and culture that allow you to innovate more quickly, effectively and efficiently.

NTT DATA's end-to-end approach – from operational expertise to data center networks – accelerates your move to Google Cloud. If mainframe systems are limiting your ability to fully explore cloud capabilities, NTT DATA's proprietary UniKix platform can help you move and modernize applications, bringing them all together in the cloud.

Google Cloud Platform addresses nearly all infrastructure-as-a-service (IaaS) and platform-as-a-service (PaaS) use cases, working with enterprises to modernize legacy infrastructure with container-based or serverless alternatives.

The NTT DATA and Google Cloud partnership does not just move your systems to the cloud. We help you manage costs, optimize the way you work and transition to future capabilities so you can stay at the forefront of your industry.

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Why NTT DATA and Google Cloud

Our proven solutions and innovative accelerators create an organizational advantage.

Whether you are migrating or modernizing your current systems, NTT DATA and Google Cloud can put your business in the lead. Our partnership combines NTT DATA's industry expertise, globally trusted network and technology services with Google Cloud's transformative products and cloud services to deliver end-to-end solutions, from migration and modernization to innovation.

NTT DATA's recognized reliability and trust with Google Cloud, our proven track record of success through a rich portfolio of references and comprehensive industry expertise across key sectors set us apart. NTT DATA is one of only a handful of companies with both independent software vendor (ISV) and consulting competencies for mainframe modernization.

NTT DATA's end-to-end portfolio serves 85% of the Fortune Global 500. A trusted partner for thousands of clients, we are a top 5 Global IT Services provider. Our people are not just Google Certified Professionals. They are trailblazers in AI, data networks and migration strategies.

Google handles 8.5 billion searches daily and carries more than 25% of the world's Internet traffic. Google Cloud Platform offers a wide range of services, including digital infrastructures, artificial intelligence, machine learning, compute, storage, databases, analytics, networking and developer tools.

The NTT DATA and Google Cloud partnership delivers immediate impact through accelerated innovation, enhanced competencies, optimized processes and data-driven insights. Access to Google Cloud through our partnership can help you innovate faster, speed up time to market and dramatically reduce total cost of ownership.

Our track record speaks for itself: together, we have helped clients save up to 10% in cloud costs and increase productivity by a massive 80%.

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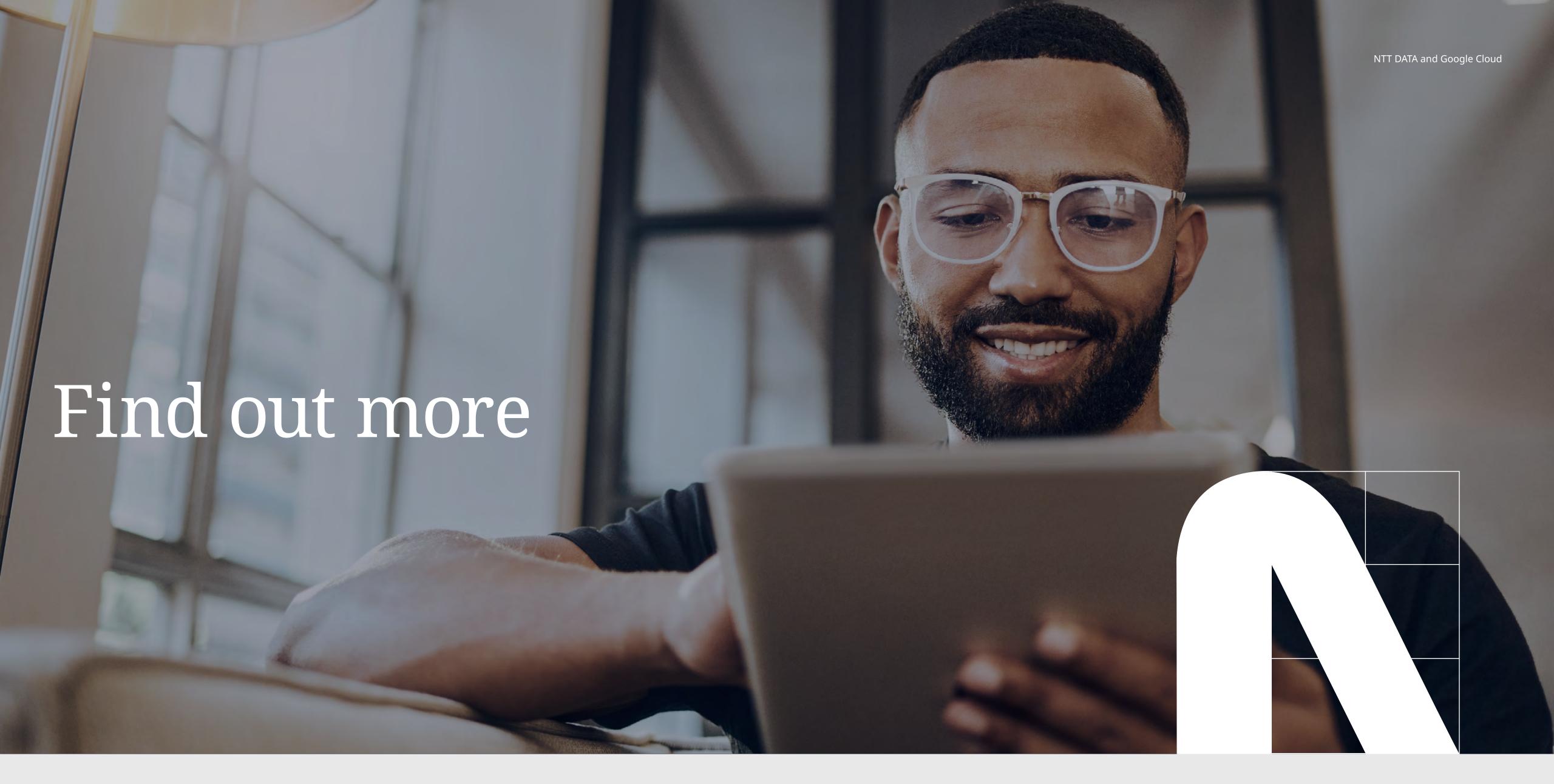
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As a Google Cloud Premier Partner, NTT DATA has achieved the highest level of partnership with Google and has premium competency in Google Cloud products.

This partnership strengthens our cloud transformation offerings, giving clients access to more resources such as analytics, artificial intelligence, machine learning, cloud migration, IoT, security and productivity.

Read more

UniKix

Unlock the future of your business with UniKix mainframe modernization solutions and save up to 70% in operating costs.

Experience unparalleled flexibility, scalability and cost-efficiency while preserving your existing business logic and user interface.

UniKix is your go-to software suite for a seamless, low-risk path to migrating business-critical applications to highly virtualized and modern cloud-based platforms.
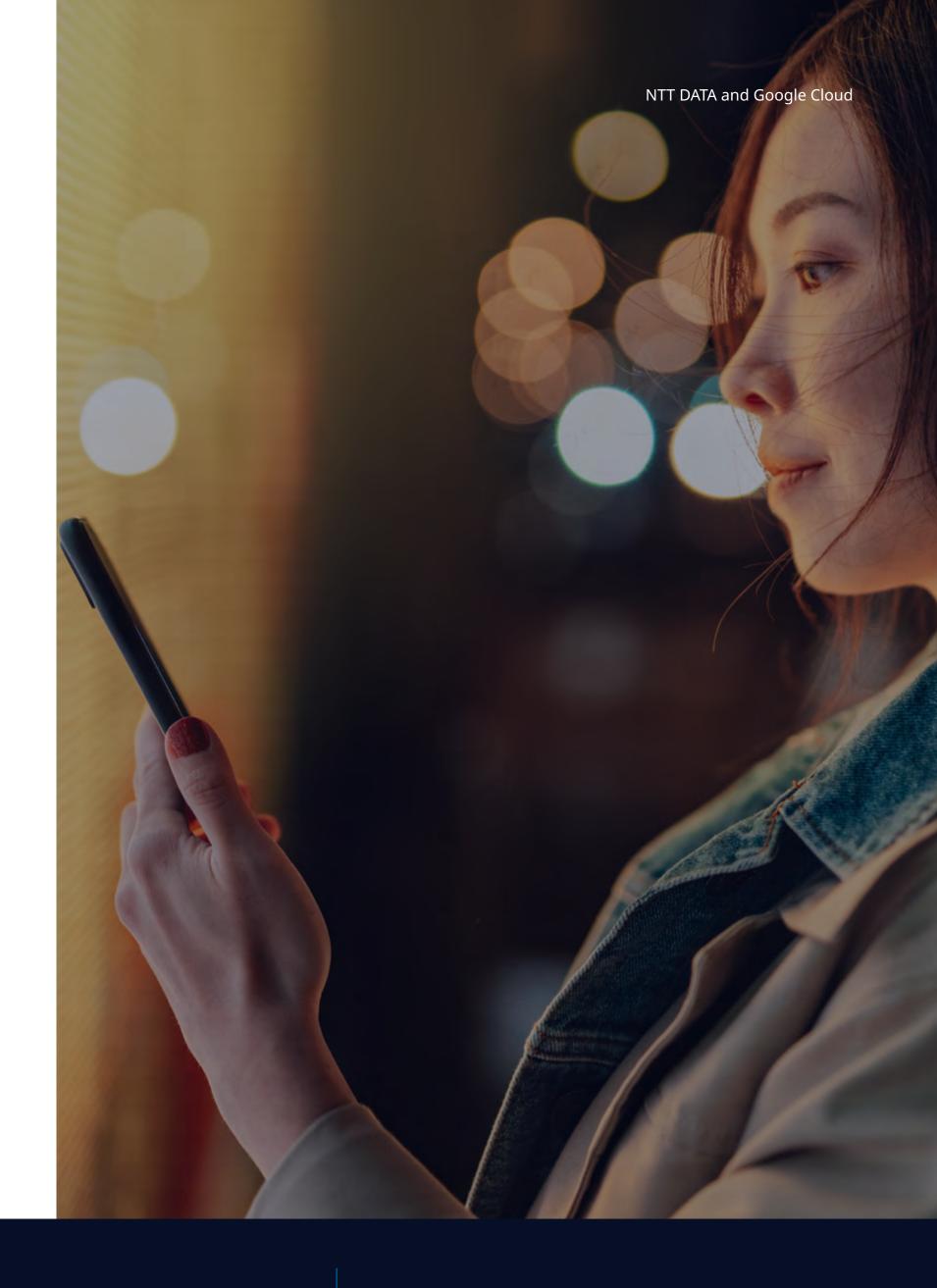
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Launch by NTT DATA

Ready to innovate faster, increase efficiency and minimize risk?

Using our Aim, Engage, Grow model, Launch by NTT DATA helps you ideate, release and sustain innovative, amazing products, from start to finish.

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NTT DATA is a US$30+ billion trusted global innovator of business and technology services. We serve **85% of the Fortune Global 100** and are committed to helping clients innovate, optimize and transform for long-term success.

As a Global Top Employer, we have diverse experts in more than **50 countries** and a robust partner ecosystem of established and start-up companies. Our services include business and technology consulting, data and artificial intelligence, industry solutions, as well as the development, implementation and management of applications, infrastructure and connectivity. We are also one of the leading providers of digital and AI infrastructure in the world.

NTT DATA is part of NTT Group, headquartered in Tokyo, which invests over **US$3.6 billion each year** in R&D to help organizations and society move confidently and sustainably into the digital future.

Visit us at nttdata.com

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