



Increase agility and efficiencies with
cloud transformation

The role of hybrid cloud

and how enterprises intend to embrace agility, security, and cost-efficiency as part of their own agendas over the coming 12 months.



66.9% say improving their business agility and ability to respond to change will be important over the next 12 months.



61.6% say security and compliance are 'critical', and the first consideration in vendor or service provider selection for hybrid cloud planning.



Managing data security, network performance and availability are some of the **biggest barriers** to hybrid cloud adoption.

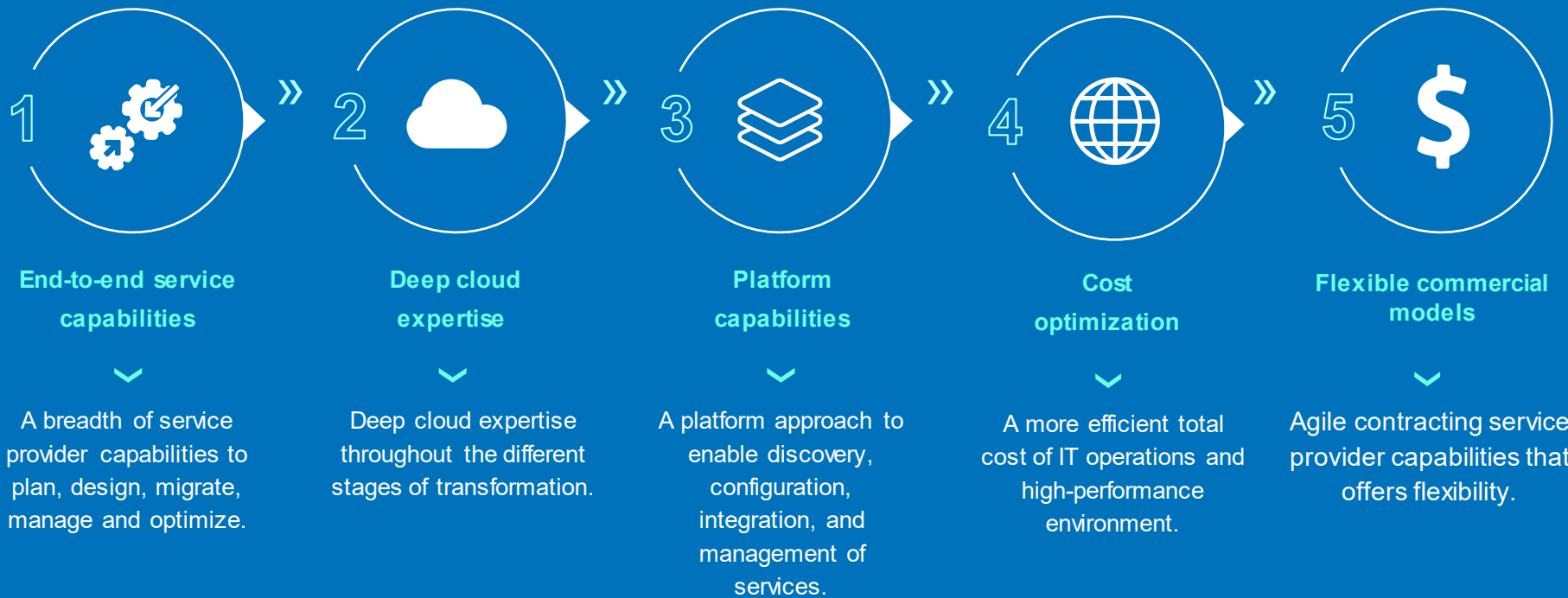


Reduced or more efficient total cost of IT operations is the **biggest driver** towards adopting hybrid cloud.



24.7% of organizations outsource more than half of their IT to a service provider, while **43.8%** of organizations outsource between a quarter and a half of their IT.

Critical outcomes needed for cloud transformation



Challenges with cloud transformation



Cloud adoption and IT transformation

Keeping pace in the digital age while controlling costs and mitigating business risks.



Modernizing applications to leverage public cloud

Applications need to be modernized to enable fast delivery that enables developer productivity



Reduced IT budgets impact ability to find and retain skills

Recruiting, training and retaining cloud skilled people against a backdrop of shrinking IT budgets.



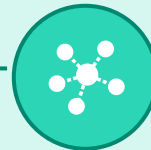
Increasing security and compliance risks

The pace of change of public cloud features, distributed working needs, and regulatory compliance requirements are increasing complexity exponentially.



A network that is unable to adequately support hybrid cloud

Providing fast and secure network connectivity can make or break a cloud migration project.



Deriving increased value from data

Business leadership demand instant access to insights and analytics to make informed decisions

Together we enable the connected future



We use our global capabilities, expertise and full-stack technology services to help our clients achieve their digital transformation goals.

Driving business in a digital economy

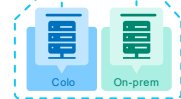


Connecting within Cloud

Public cloud



Private cloud



Enterprise Data centres
Secure cloud connect

Connecting Edge to Cloud

Using network fabric that is...

Intelligent

Real-time application performance visibility
Traffic prioritisation
Automated provisioning & operations

Secure by design

Integrated cohesive application, infrastructure and end user security
Advanced threat detection and response

Connecting within Edge

Connecting all devices



...using all connectivity



190+ countries with MPLS coverage
75+ hosted nodes for SD-WAN and NFV
Private Cellular Networks (on roadmap)

World's #1 internet backbone provider
> 16 Tbps global submarine cable capacity
Market leading threat intelligence

Edge to cloud built and managed by NTT or provided as-a-service



Increase agility and
efficiencies with

**cloud
transformation**

Our **portfolio of solutions** is built
on a proven methodology to
plan, design, migrate, secure,
operate and **optimize** the
infrastructure that runs critical
business applications.

Cloud transformation portfolio

Full stack services



Migrate and modernize applications

Transform applications by using best-practice cloud methodologies



Securely host mission-critical applications

Secure applications using cloud and data center infrastructure from NTT and our partners



Optimize next-gen infrastructure operations

Increase performance and drive innovation through on-premises, private and public cloud Managed Services

A global footprint of our data centers and cloud infrastructure

Software-defined infrastructure | Public cloud ecosystem | Private cloud | Cloud connectivity | Global data centers

Secure by design



Securely host mission-critical applications

Secure applications using cloud and data center infrastructure from NTT and our partners

We ensure your mission critical applications are secure and always available. Our hosting services and data centers are designed, engineered and managed to the highest standards by our skilled and responsive teams to exceed your expectations.



Securely host mission-critical applications

Use cases:

Secure application hosting and management

ERP platform operations

Challenges:

- Increasing application complexity
- Performance issues reflect on user experience and productivity
- Emerging/changing compliance requirements
- Keeping pace with business innovations, while watching costs

Where do you start?



Managed Application Services

The end-to-end management of the enterprise applications you depend on to run your business.



Private cloud platform for enterprise workloads

We offer the economic model of public cloud with the predictability of private cloud.



Applications hosted on public cloud

Hosting and management on all leading public cloud platforms; Microsoft Azure, Google Cloud and AWS.



Colocation

Accelerate your global business with our data centers in over 20 countries.



Modernize infrastructure

Modern, agile infrastructure for traditional enterprise workloads.



Hybrid IT initiatives

Enable ideal cloud destinations for various workloads with a robust, seamless hybrid cloud solution.



Specialized workloads

Blueprinted solutions for specialized workloads and requirements such as SAP/ERP, VDI, Analytics and AI/ML.



Workload interoperability

Ensuring the ability for workloads to closely interoperate by ensuring their proximity and access to core data.



Compliance

Meet region-specific sovereignty, compliance and regulatory requirements.

Comprehensive service delivery model

Optimized and secured for mission-critical workloads

Managed Application & Platform Services

Operate



Operation of your IT landscape so that you can focus on your business.



Optimize



Continuous performance reviews, proposing savings and improvements so that you can leverage all the best of hybrid cloud.

Service Operations



ITIL based processes for IT Service Management and Solution Availability Management.

Automation and tooling



Agile, flexible approach using automated tools to deliver high performance, availability and scalability.

Security Operations



Assisted security and compliance checks across full application lifecycle.

Proactive Monitoring & Reporting



Forecast and early detection of issues and threats provided by continuous monitoring 24x7x365

Application Release Automation



Secure and reliable process automation to accelerate the release of new code and features.

Critical Event Management



Support with near zero response time for dynamic or peak based events on critical situations.

Cost Optimization



Capacity check across clouds with expert-manual post-processing for capacity management.

Architecture Optimization



Evolution and modernization proposals done with automated patching and regular checks.



HDT Global

HDT Global prepares for the future with SAP on Azure Cloud



'[NTT] worked closely with my team and **the SAP migration was completed ahead of schedule.**'

Todd Nelson

Global Vice President and CIO, HDT Global

HDT Global delivers proven solutions for extreme environments. HDT Global is widely recognized for its industry-leading production of state-of-the-art fully integrated deployable solutions, including shelters, generators, heaters, air filtration devices, robotics and other engineered technologies, currently used by USA and allied military units worldwide, as well as civilian government and commercial customers.

Business outcome

- SAP design, build, migration and management on cloud.
- Smooth transition to Azure Government Cloud.
- Strict NIST, Fedramp and ITAR compliant.
- Minimized downtime at cutover.



Migrate and modernize applications

Transform applications by using
proven cloud methodologies

We help you analyze, modernize, migrate, secure and
optimize your cloud, infrastructure and application strategies to
support your digital business objectives.



Migrate and modernize applications

Use cases:

Established enterprise

Born in the cloud

Challenges:

- Companies who are more regulated, such as finance and healthcare have compliant cloud solutions, but no need to focus on agility
- 'Born in the cloud' organizations that are viewed as early cloud adopters, now need to focus on governance and compliance
- Keeping pace with business innovation while reducing costs
- Performance issues reflected on user experience and productivity

Where do you start?



Hybrid Migration Assessment

Gain clear insight into your current infrastructure and applications, creating a roadmap to Managed Services.



Cloud Enablement Services

Providing prepackaged, sprint-based engagements delivering value with predefined outcomes every 2-4 weeks.



Cloud Foundation Services

We support our clients by setting up the landing zone on public cloud, a critical step before migrating any applications to the cloud.



Cloud Migration Services

Seamless migration of every workload to the optimal platform, improving operational efficiency, scalability and agility.

Steps to success



A successful application modernization transformation will require **a well-planned architecture** deployed on an **enterprise-ready platform** leveraging new world **operational models of management and services.**

✓ **Gain visibility** and understanding of desired outcomes

✓ **Architect** to your specific requirements, leveraging expertise of deploying **cloud-native applications** and hybrid architectures

✓ Optimise **operational processes**, automating them to drive better predictability and security.

✓ **Replatform or transition applications** to cloud or hybrid cloud target architectures. Test, validate, and move rapidly and securely into production.

✓ Dynamically **optimise and manage** evolving needs.



ISG leverages application modernization



ISG provides construction solutions to some of the world's most successful and enduring businesses, cities and institutions. Their 2,800 worldwide specialists provide an exceptional delivery dynamic and strong customer relationships built on mutual trust, collaboration, and open communication.

‘As we consolidate our position as the world’s most dynamic construction company, we need to optimize the ICT organization to focus on delivering new digital products and data-driven value.’

ISG Spokesperson

Business outcome

- Modernizing the IT that underpins their global construction solutions and applications.
- Migration of multiple, critical global systems transformed to Microsoft Azure.
- Optimizing the ICT organization by partnering for Cloud managed services.



Optimize next-gen infrastructure operations

**Increase performance and drive
innovation through on-premises, private
and public cloud Managed Services**

Covering the complete lifecycle of your cloud journey, our innovative platforms, agile operational methods and automation ensure we optimize and manage the infrastructure running your critical business applications across on-premises, private or public clouds.



Optimize next-gen infrastructure operations

Use cases:

DC Optimization/
consolidation/modernization

Comprehensive multi-cloud managed
services

Challenges:

- Business agility by freeing up limited resources to focus on strategic projects
- Hiring and retaining the skills required to support hybrid IT technologies
- Keeping applications up-to-date and secure
- Access to tools and automation that deliver uninterrupted flow of services
- Keeping IT costs under control in a dynamic, disruptive business environment

Where do you start?:



Managed Cloud Infrastructure

Management and monitoring of all cloud types: private, public and hybrid.



Managed Security Services

End-to-end security infrastructure and operations management keeping your business safe and compliant.



Managed Network Services

Proactive, automated, near real-time monitoring and operational management of multivendor, multi-technology enterprise networks.



Data Center Infrastructure Management

Simplify the operations of your data center infrastructure through a centralized management portal.

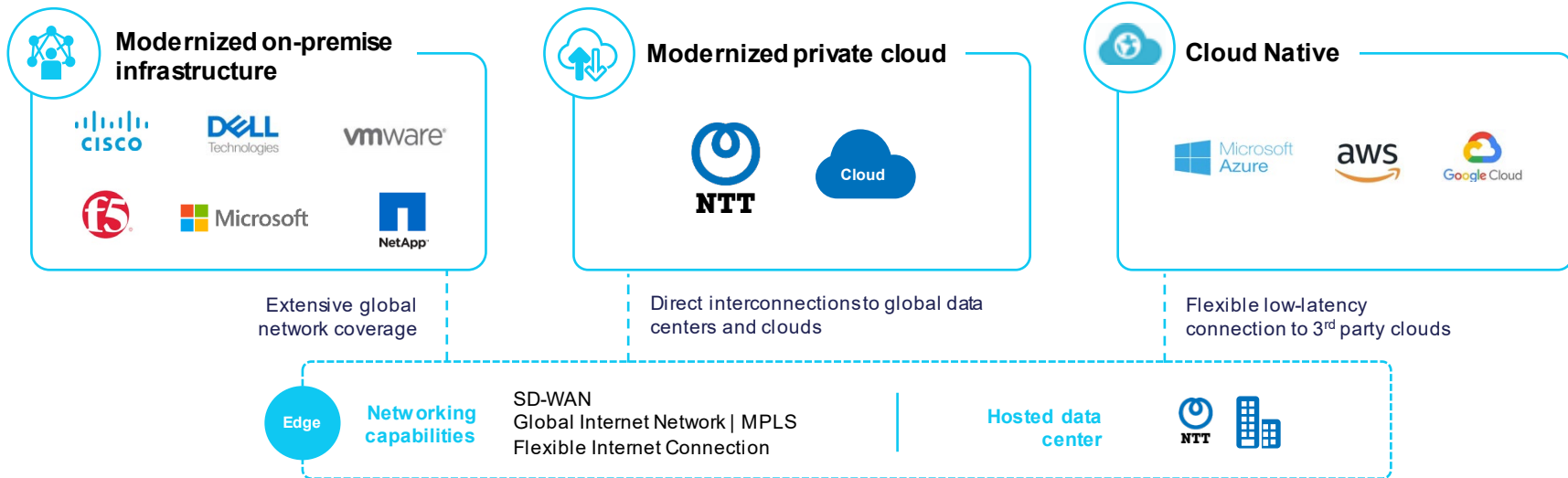
Full stack optimized next-gen infrastructure operations

Optimum application
deployments

Agile, secured and
simplified IT operations

Optimized data-driven
architecture

Intelligence at the core of our Managed Services Platform



Security controls and services applied consistently across hybrid cloud



Lefebvre Sarrut Services steps into the future

with managed infrastructure operations



Lefebvre Sarrut aims to connect companies and their legal, tax and accounting advisors through a unified offer of information, documentation and training services.

Lefebvre Sarrut is aimed at all public and private professionals, companies and consultants – whether they work in law, human resources or financial management.

‘We have complete peace of mind about our infrastructure, its availability and performance, and its ability to scale as required.’

Christophe Le Caignec, Head of IT Operations at Lefebvre Sarrut Services

Business outcome

- Unified architecture model within a single data center.
- Hybrid cloud architecture that enabled them to migrate 1,400 servers to the cloud.
- Modernizing the applications for cloud and 200 within the NTT cloud.
- Focus on strategic business projects and application development.

We are part of the global

NTT family

USD 109 bn

in total revenue

\$20+ bn outside Of Japan

150+

years of heritage

310,000

people around
the world

Top 100

global innovator*



*Clarivate Analytics

USD 3.6 billion

average annual investment in
R&D over the next 5 years

USD 500 million

venture fund (silicon valley)



NTT Ltd. is a leading, global technology services company. To help our clients achieve their digital transformation goals, we use our global capabilities, expertise, and full-stack technology services delivered through our integrated services platform.

As a long-term strategic partner, we help clients enhance customer and employee experiences, transform their cloud strategy, modernize their networks and strengthen their cybersecurity.

Managed Cloud & Infrastructure Services



We lead the way in managed cloud services that empower IT organizations to transform operations, adapt to dynamic conditions, and propel their businesses forward.

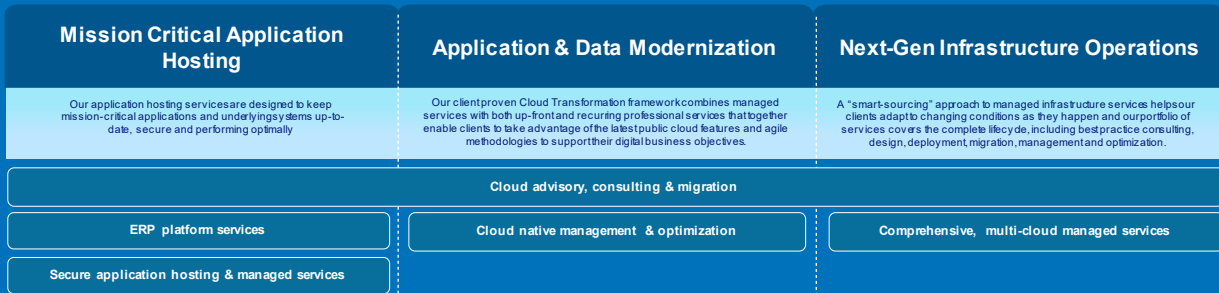
Rooted in over 20+ years of experience, and hundreds of successful engagements worldwide, our portfolio of services are purpose-built for resilience and include world-class security, governance and operational capabilities.

Our cloud first offerings range from private, public, and hybrid to multi-cloud, so we can advise clients on the environment best suited for their needs.

Managed Cloud & Infrastructure Services



Our Offers



Digital Delivery Platform

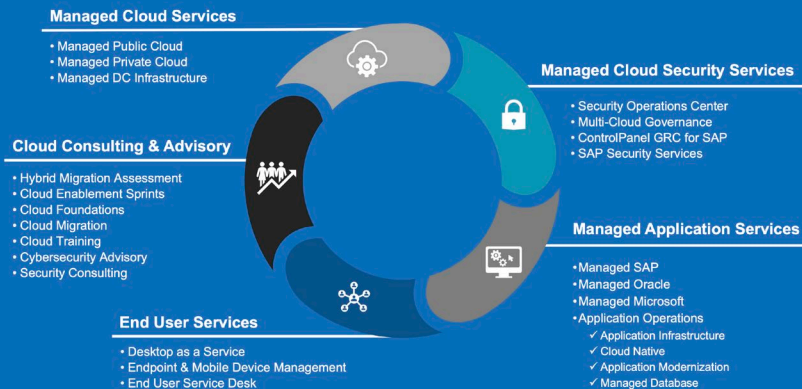


Analysis | Automation | Compliance | Security | Visibility

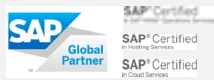
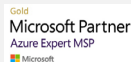
Managed Services Platform | NTT Anywhere | Public Cloud



Consulting & Managed Services Portfolio



Proven expertise through our accreditations.



NTT Managed Services: Secure by Design



NTT's comprehensive security strategies help minimize risk and drive innovation as well as delivering a broad set of security and compliance services governed by the strictest controls in the industry—integrated across our managed services operations and infrastructure.

5 Key capabilities of NTT's inclusive security approach

Security by Design

Security is embedded in every component of managed services delivery

Cyber Advisory

Our experience & methodologies guide your security program

Access Management

Built on least privilege with a path to zero trust

Ransomware Protection

From architecture and process, through operations and backups—prevention is key

Automation Integration

Integrated automation to drive quicker and more consistent security responses



Infrastructure Protection



Network Security



Application security



Data Security



GRC



Endpoint security



IAM/PAM



Threat Management



Threat Protection

Our cloud transformation approach



What do you need?

Plan and design

- Discovery sessions to identify technical and business requirements
- Discover workloads and assess architecture
- Provide a roadmap, and migration analysis for your hybrid cloud strategy



Journey to hybrid cloud

Deliver and migrate

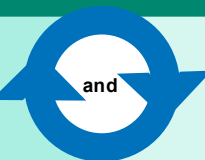
- Cloud governance
- Cloud architecture
- Cloud transformation plan
- Architecture design accelerated with solution blueprints
- Seamless, efficient and reliable migration of workloads



Keep your IT landscape dynamic

Operate

- Comprehensive management and maintenance
- Cross tower technology
- Multi-vendor management
- 24/7 support
- Automated event correlation for proactive problem management
- Platform delivered services



Deliver business outcomes

Optimize

- Continuous service improvement
- Capacity and performance reviews
- Cost optimization
- Site Reliability Engineering (SRE)
- Innovation
- Analytics, real-time reporting and data driven insight through a single unified intelligent portal

Managed Services

Optimize and secure core operations, with continuous innovation

Outcomes our Managed Services deliver



Service Catalogue-based approach, jointly building foundational blocks that enable efficient consumption



Easy to do business with! Multiple services can be consolidated under a single set of SLAs and covered by ONE contract



Global enterprise-level delivery backed by 24/7/365 monitoring, taking into account the complexity requirements of the customer



Full journey. Hand-holding the customer from the outset, through the different stages of cloud adoption and enablement



Integration at the technology level, connecting public cloud infrastructure to DCs and OnPrem with our own network



Alignment with customer processes, both at ITIL level, as well as for CI/CD and automated deployment



Security. From the outset, not an afterthought. Access management, hardening and integrated with customer policies



Automation across all levels of the service, for improved competitiveness, quality, and agility



Compliant with top industry accreditations (ISO27k1, ISO2k, PCI, SOC), as well as client-specific standards

Why clients choose us for cloud transformation



Leading security provider

Over **2,000** cybersecurity specialists mitigating more than **2 billion** security threats every year.



Global data center and cloud footprint

More than **500,000m²** server space in over **20 countries**, and cloud infrastructure in more than **15 countries**.



Industrialized yet vendor-agnostic

Highest level of partnerships with major **technology vendors** and same tooling and delivery methodology globally to provide a **truly global service**.



Agile data center interconnection

Our global data centers **directly interconnect** to public cloud and SaaS providers.



Depth of skill

22,000 professionals in our global services organization, including **5,800** Professional Services people.



Global reach and local intimacy

Same delivery and methodology across regions to provide a **truly global service**.



Single point of contact

End-to-end services are **24x7** and can deliver 'total ticket ownership' with service integration and management (SIAM).



Full lifecycle

Convert goals into outcomes thanks to a **full ICT stack** from data center and network to cloud and applications with services coverage in over **190 countries**.

Disciplined and proven pragmatic approach

20+ years providing Managed Services for virtualized and cloud environments setting standards for both one-time cloud migrations and large-scale multiphase transformations.

Leverage our expertise, certifications and credentials



World class, global Data Center, Network & Managed Services capability with the highest vendor accreditations



2021 winner of the SAP Outsourcing partner of the year award

Public cloud expertise



Azure
Expert
MSP



Advanced
Training
Partner



AWS PARTNER NETWORK



Premier
Consulting
Partner

MSP Partner
Migration Competency
DevOps Competency
Solution Provider
Channel Partner

Premier Partner



SAP expertise



Gold Cloud Platform
SAP on Azure Advanced
Specialization



SAP Certified
in **Global** Cloud and Infrastructure Operations

SAP Certified
in **Global** SAP Business Suite Solutions Operations

SAP Certified
in **Global** SAP S/4HANA Solutions Operations

SAP Certified in **Global** Hosting Operations **SAP Certified** in **Global** SAP HANA Operations

Recognitions



ISO 27001
ISO 27017
ISO 27018



Service
Management



Data Security



Service
Organization
Control Reports

Delivering leading expertise and technical skills across multi-vendor and multi-cloud

We integrate technologies from all the right partners

to provide you with an integrated infrastructure platform

We have invested in **integrating with our partners at API level** so we can integrate services for you across applications, cloud, data center, networking and security technologies:



We'll work with you to build and operate a cloud transformational strategy **that enables your digital future**, and that starts with our specialists:



Migrate and modernize applications



Securely host mission critical applications



Optimize next-gen infrastructure operations



Cloud transformation consulting

A photograph of the Golden Gate Bridge in San Francisco, partially obscured by a thick layer of fog. The bridge's red-orange structure is prominent on the left side of the frame.

The next steps



NTT

Together we enable the connected future