



MANAGED CLOUD SERVICES

SAP on Microsoft® Azure

Managed Public Cloud Services for Regulated Industries

Microsoft Azure is in partnership with SAP® to support enterprise resource planning (ERP) and SAP S/4HANA migrations to the cloud. The Managed Services division of NTT Ltd. helps enterprises achieve process efficiencies, compliance standards and resource optimization to maximize the value of their public cloud investment. Through discovery, modernization and reference architecture organizations can transition, extend and optimize their IT platform including SAP to a hybrid or public cloud platform.

Trusted Cloud

Microsoft Azure and SAP are key market leaders trusted by companies in highly regulated industries. Together their core technologies address security, privacy, compliance, resiliency, and intellectual property protection.

For 25 years NTT has been supporting client's Microsoft and SAP business and technology objectives. Our SAP specialists have installed, migrated, optimized and managed virtually every combination of SAP, O/S, and database. NTT currently manages and supports SAP clients in private and public clouds.

NTT has been an SAP-certified partner since 2005 in SAP Cloud, Hosting and SAP HANA Operations. As a Microsoft Global Gold Partner, Azure Networking (MSP), Azure Expert Managed Services Provider (MSP) with an Azure for SAP Workloads Specialty, clients can expect predictable outcomes.

We currently serve clients in highly compliant industries – Healthcare, Life Sciences and Financial Services.

The NTT Approach

We recognize that every SAP client is unique which is why the NTT approach always begins with a comprehensive assessment of your current and proposed SAP footprint and business requirements.

Our objective is to harness the power of Azure to secure, optimize, and enhance the SAP experience. Working closely with our client we work to improve processes, modernize infrastructure, and drive consistency.

The Migration Journey

The migration journey starts with an SAP on Azure specialists working with a client to identify an optimal migration approach in support of business case drivers including current state, hardware refreshes, software renewals, end of support, compliance requirements, budget and more.

NTT leverages SAP and Microsoft proven methodologies, architected framework and best practices to align a clients' SAP and Public Cloud strategies.

Run State

Achieving run state is just the beginning as the journey is continuous with cost containment and operational governance associated with design-build-deploy are being consistently reviewed. Quarterly, we analyze the condition of your SAP on Azure landscape to determine how it can be optimized for technical performance and cost effectiveness. Highly experienced SAP Basis consultants provide white glove service providing a superior client experience.

SAP Basis Expertise

NTT is a leader in SAP Basis support, largely due to our extensive skill set, technical capabilities and emphasis on continuous SAP training. We take a unique approach to SAP Basis support, emphasizing clear, open communication and high-touch customer service. We coordinate with management and technical stakeholders in your business to understand your SAP priorities. This ensures our approach addresses your business and strategic needs as well as, your technical requirements.

Secure by Design

SAP on Azure solutions are secure by design meaning security and compliance are built into solution architectures from the foundation.

Our standard security features create a platform for enterprises to grow and mature their security program. We deliver a holistic set of security and compliance services governed by the strictest controls in the industry. From early detection, isolation and mitigation of any type of threat to resolution and rapid recovery, our dedicated in-house security team is committed to protecting your SAP on Azure environment 24x7x365 via our state-of-the-art security operations center (SOC).

Depending on your security requirements NTT can augment your in-house security team or you can leverage our team of security professionals and state-of-the-art tools. Our SAP Security includes:

- **Monitoring.** Analysis of user activities, security violations, identification of inactive log-ons and unused passwords, recording of system usage statistics.
- **Maintenance.** Design and construction of roles, management of day-to-day user changes, identification and implementation of security changes to reduce exposure to unauthorized system access.
- **Change Control Management.** Process validation and implementation of change control processes.
- **Audit Reporting.** Role and Authorizations, documentation of system administration accounts and passwords, user and role change documentation, Segregation of Duties reports, and periodic role validation notebooks.
- **Compliance.** NTT's proprietary ControlPanelGRC® controls monitoring platform for SAP environments automates time-consuming tasks associated with compliance reporting and audit support.

Compliance for Regulated Industries

Due to the nature of highly sensitive personal data, healthcare, life sciences and financial services organizations experience a higher level of security compliance requirements and regulatory burden than other industries.

Organizations, whether small-to-medium businesses or large enterprises, are facing an unprecedented number of security threats, at the same time they are subject to complex privacy regulations. NTT can help healthcare, life science and financial institutions build and run a scalable, efficient, secure Azure cloud infrastructure. We have achieved certification or offer third-party validated audit reporting on the following certifications and standards:

- SOC 1 and SOC 2
- ISO 27001 Information Security Management Systems
- ISO 27017 Security Controls for Cloud Services
- ISO 27018 Protection of Personally Identifiable Information in the Cloud

NTT is experienced in supporting organizational requirements and providing audit evidence for the following industry or government mandates:

- Payment Card Industry Data Security Standard (PCI-DSS)
- FDA CFR 21 Part 11 and EU ANNEX for Quality Validation
- HIPAA/HITECH
- Federal Financial Institutions Examination Council (FFIEC)
- EU General Data Protection Regulation (GDPR)

For healthcare and life sciences organizations, the combined capabilities of Azure and our team of certified architects and engineers, NTT designs cloud-based architectures that maintain security of Protected Health Information (PHI) and reduce operational costs. Resulting in a solution that enables healthcare providers and payers to securely store, process, transmit and analyze clinical information.

Optional security services include, but are not limited to:


- Web Application Firewall
- Multifactor Authentication
- Data Loss Prevention
- File Integrity Monitoring
- Application Single Sign On
- Privileged Access Management
- Internal Credentialed Vulnerability Scanning
- Database Encryption
- Custom SIEM Reporting


Key Benefits


- SAP guidance throughout the cloud journey
- Security and compliance expertise for regulated industries
- Accelerated Hybrid or Public Cloud transformation
- Extended IT team while leveraging an integrated solution
- Experienced strategic, trusted partnership for business transformation

Certifications

SAP Certified in Hosting Operations
SAP Certified in SAP HANA Operations
SAP Certified in Cloud and Infrastructure Operations
Azure Networking MSP
Azure Expert Managed Service Provider
Azure for SAP Workload Specialty
Microsoft Gold Data Platform
Microsoft Gold Data Analytics
Microsoft Gold DevOps
Microsoft Gold Application Development
Microsoft Gold Application Integration

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