SAP NS2 Solution Brief | PUBLIC
Intelligent data applications | SAP HANA Cloud

SAP HANA Cloud delivered through an enhanced security model

SAP National Security Services

SAP National Security Services (SAP NS2®) is an independent, U.S. subsidiary of SAP®, the world's largest provider of enterprise application software. SAP NS2 was founded to protect mission-critical operations and deliver commercial innovation to government agencies, defense departments, and highly regulated entities. Our secure cloud model creates the unique capability for customers to adopt SAP cloud solutions and run market-leading technology without having to sacrifice security, innovation, or cost. Our team of local, credentialed experts provide the highest levels of security and compliance, deliver world class innovation, and protect critical data across all applications enterprise-wide.

Secure, compliant cloud technologies can transform how you operate within your industry. SAP NS2 **delivers the power of SAP's intelligent enterprise** with secure cloud solutions built to maximize data sovereignty and secure workloads.

How do you balance a data-driven economy with on premise databases?

In today's data-driven economy, businesses are adopting next-generation intelligent data applications and leading the way in decision making and modernization strategies. But how do regulated agencies keep pace, especially when running on premise database technology? SAP HANA Cloud, a multi-model database-as-a-service, empowers businesses to scale at will and innovate without obstacles. With SAP HANA Cloud, organizations can address their biggest challenges:

Tackle data obstacles and increased IT complexity. Today, it is exceedingly difficult to create and maintain a data platform that can meet a nearly impossible cluster of challenges. These challenges include:

– Manage volumes of data that stretch the imagination while also coping with the continuous rise in data diversity
– Maintain hybrid landscapes, both on prem to cloud, amongst various public and private clouds
– Improve the fluency of advanced analytics & AI to allow it to be practically applied throughout your organization

Decrease costs, direct and indirect, across your enterprise. With limited, stringent budgets, regulated organizations must optimize the total cost of ownership across varying workloads. This must be achieved while, in tandem, driving innovation at the foundational data layer. Public sector agencies are looking for a balance between adopting new software while being mindful of budget constraints. More than 93% of organizations want to invest in data to fuel improved insights and decision-making, and this investment must be addressed with a strategy in mind.

SAP HANA Cloud solution overview

Overview

SAP HANA Cloud is a database-as-a-service (DBaaS) solution built to modernize your applications. As the cloud-native data foundation for SAP Business Technology Platform (SAP BTP), it offers fast in-memory data processing, a powerful multi-model engine, and flexible multi-tiering options. These capabilities help overcome persistent obstacles to innovation—such as growing data volumes, incompatible data sources, varied data types, and poor integration across your data landscape.

Data accessibility

SAP HANA Cloud can directly access nearly any data source, including SAP and third-party applications. It supports live access to critical business information from various sources without the need for data replication. Live data access enables developers to build intelligent data applications that deliver accurate, up-to-date information and insights in real time.

Data types

SAP HANA Cloud processes multiple types of data—including relational, geospatial, graph, JSON, and vectors. This versatility is essential for application developers seeking to integrate diverse data sources into a single application.

Whether it's structured, semi-structured, or unstructured data, such as text and multimedia content, SAP HANA Cloud brings together the data needed for developers to build great apps.

Data security

SAP HANA Cloud offers a robust and comprehensive set of security features designed to protect your data and help ensure compliance. Features include data anonymization, masking, encryption, access controls, and support for multiple certifications for industry-recognized security and privacy standards and regulations. With configurable audit policies, SAP HANA Cloud helps streamline compliance while protecting your business and customers.

The SAP NS2 secure cloud deployment model

At SAP NS2, we know that innovation fails without security. Our customers process large volumes of data that concern U.S. national security, and the ability to unify this data can improve decision-making and drive better services. Regulated organizations must be equipped with decision intelligence to make data-driven decisions, execute mission-critical goals, and create long-term visions for their organization.

SAP HANA Cloud, delivered through the SAP NS2 U.S.-based deployment model, harmonizes fragmented and siloed data while maintaining industry-specific security controls. Our U.S. delivery and support model strictly controls and monitors how SAP HANA Cloud is governed, where it resides, and how its data is secured. This gives regulated organizations the ability to benefit from the innovation of SAP applications while remaining compliant with their industry's stringent security controls.

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Adopt the next generation of intelligent data applications with SAP NS2

Why SAP National Security Services: Secure. Local. Innovative.

KEY BENEFITS:

- In-country deployment and advanced security measures allow you leverage the powerful capabilities of SAP HANA Cloud's multi-model engines for relational, document store, geospatial, knowledge graph, vector, time series, and more.
- Lower total cost of ownership and increase time to value through automated solution deployment and security management.
- Ensure your regional security and compliance standards, such as ITAR, are enforced across your supplier network.

Adopt the next generation of intelligent data applications with SAP NS2

Innovation backed by U.S. resources. SAP NS2 provides in-country, credentialed support teams that understand innovation, business drivers, and U.S. data regulations. Throughout your transformation journey, our teams will help you create a foundation for data intelligence that unlocks more value while keeping compliance at the forefront.

U.S. deployment and data residency. SAP NS2 deploys SAP HANA Cloud using local, U.S. cloud infrastructure. This dramatically mitigates the risks of international data exposure and prevents bad actors from accessing your mission-critical data.

Localized protection of critical data. Centralize data functions across your enterprise thorough our heightened, end-to-end security model. All resources, data, and internal operations comply with U.S. regulations to safeguard your intelligent data applications.
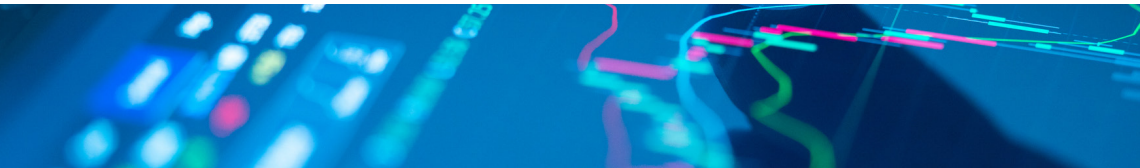
Why SAP National Security Services: Secure. Local. Innovative.

SAP NS2 understands the value of complying to local data sovereignty regulations, storing data locally, and controlling who can access data based on regional requirements.

The innovation, functionality, and services of the SAP NS2 solution portfolio meets the same standards as SAP Commercial, but SAP NS2 provides U.S.-based security controls and cloud capabilities through services based entirely within the U.S.

- We leverage tools such as vulnerability scanning, intrusion detection, and continuous monitoring to ensure your data stays protected under an automated security model.

- Dedicated, local, and credentialed SAP NS2 resources support your landscape through deep industry and regional compliance knowledge.

- Our offering mitigates the risk of external threats by limiting system management, providing in-country deployment, and leveraging an enterprise strategy to control the data and resource access within your region.

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