

**SAP NS2 Solution Brief | PUBLIC**

Securely adopting cloud innovation | Utilities Industry

# A Secure Cloud for the Utilities Industry



# SAP National Security Services

SAP National Security Services (SAP NS2) was founded to help protect and secure the mission critical operations of highly regulated organizations. As the U.S. cloud service provider of SAP, we provide the unique capability for utility industries to run market leading SAP applications 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.

# Barriers to securely adopting cloud services for utility agencies

The utility industry provides necessary amenities to many, such as water, electricity, and natural gas. When it comes to their digital transformation, utility industries are required to maintain additional security standards that extend beyond commercial cloud solutions. The keys to a secure digital transformation are:

**The speed of innovation paired with heightened security regulations.** Cloud technology allows utility organizations to provide customers with improved services and increased reliability, but often times security gets in the way of adopting a cloud-first business model. The North American Electric Reliability Corporation Critical Infrastructure Protection (NERC CIP) is a set of standards aimed at regulating, monitoring, and managing the security of the Bulk Electric System (BES) in North America. To ensure cloud operations are monitored properly, utility organizations need their cloud service provider to understand the standards imposed upon their industry.

**In-country solution deployment.** NERC-CIP requires BES Cyber System Information (BCSI) to be restricted to authorized personnel and prohibited from unauthorized access, as the information is vulnerable to cybersecurity attacks. One critical element that ensures enhanced security is a local support model that includes exclusively U.S. resources who have been vetted through personnel risk assessments (ie. background checks).

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## Barriers to securely adopting cloud services for utility agencies

SAP NS2 cloud portfolio overview

Understanding how SAP NS2 deploys solutions with your security standards in mind

Navigate your operations to the cloud with SAP NS2's secure cloud deployment

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

# SAP NS2 cloud portfolio overview

## Enterprise Resource Planning:

- SAP S/4HANA Cloud, private edition
- SAP S/4HANA Cloud, tailored option
- SAP Secure HANA Cloud
- SAP Cloud Application Services

## Human Capital Management:

- SAP SuccessFactors

## Business Technology Platform:

- SAP Business Technology Platform

## Financial Management:

- SAP Analytics Cloud

## Supply Chain Management:

- SAP Integrated Business Planning
- SAP Service and Asset Manager

## Spend Management:

- SAP Fieldglass
- SAP Ariba Procurement Solutions

## Business Network:

- SAP Business Network for Procurement
- SAP Business Network for Supply Chain Collaboration
- SAP Business Network Asset Collaboration

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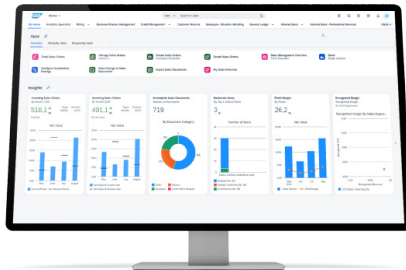
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# Understanding how SAP NS2 deploys solutions with your security standards in mind

At SAP NS2, we know that innovation fails without security. Through our U.S. sovereign deployment model, we provide utility organizations an avenue to adopt the innovation of the cloud without compromising on security. We strictly control how our cloud portfolio is governed, where it resides, and how its data is secured.

This control empowers utility organizations to benefit from a cloud portfolio that supports all lines of business. Our dedication to data access, data residency, and cloud sovereignty ensures utility organizations can future proof their operations while remaining protected by their industry standards.

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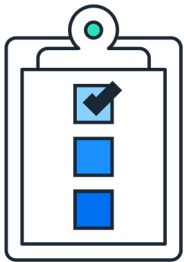
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### KEY BENEFITS:

- Industry-specific protection of mission-critical data through ITAR, EAR, FedRAMP® Controls, and NIST 800-53
- SAP NS2 experts who have deep industry knowledge of cloud business drivers and unique industry needs
- Solutions and infrastructure supported and deployed by U.S. persons on U.S. soil to ensure operations remain in country

# Navigate your operations to the cloud with SAP NS2's secure cloud deployment

## Infrastructure built to support regulated workloads.

Our cloud infrastructure is built to protect utility organization's confidential data. We deploy solutions on highly regulated hyperscalers, such as AWS GovCloud and Azure Government, who comply with the security regulations set forth by government agencies.

**Solutions secured to industry standards.** Our defense in depth strategy ensures preventive and detective controls are in place to protect cloud systems and data. Customers can be assured the integrity and security of NERC CIP regulated entities' BCSI, and other sensitive information, is protected.



## Local support model to mitigate external risk.

We support the utility's compliance to NERC CIP by ensuring all cloud resources operate according to necessary compliance levels. All supporting personnel are located within the U.S., are U.S. persons, and have been approved through background checks and security screenings.

## Adherence to industry-specific security regulations.

- International Traffic and Arms Regulations (ITAR) and Export
- Administration Regulations (EAR) compliant solutions
- Cloud environments built to the NIST 800-53 security standards
- Cloud solutions designed to support mission-critical workloads and protect BES Cyber System Information (BCSI)

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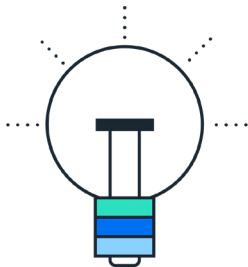
**Navigate your operations to the cloud with SAP NS2's secure cloud deployment**

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# Why SAP National Security Services: Secure. Local. Sovereign.

We understand that utility organizations face different international threats and have unique compliance requirements surrounding their cloud operations. We are the solution for meeting and exceeding these challenges.

The innovation, functionality, and services of the SAP NS2 solution portfolio meets the same standards as SAP Commercial, but SAP NS2 provides sovereign cloud capabilities through services based entirely in the United States.



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

- We enforce authentication and access rights to protect BES Cyber System Information (BCSI).
- Adherence to ITAR provides dedicated U.S. resources to support your cloud 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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