NEC

In the Mountain for SAP HANA®

Complete, Secure Private Cloud Solutions

At a Glance

- Proven Migration-as-a-Service models with standard pricing

- Pre-configured for performance and optimized for SAP HANA

- Comprehensive managed infrastructure, and SAP Basis and Security services

- Highly secure and eco-friendly Resilient Tier III underground data center

- Flexible rental, purchase and lease options

Overview

In collaboration with leading technology service providers, NEC designed a comprehensive in-memory analytics, backup and disaster recovery cloud solution. NEC's In the Mountain private cloud solution specializes in supporting the performance demands of the SAP HANA® platform running on Red Hat® Enterprise Linux® in the highly secure and compliant Iron Mountain® National Data Center. This best-in-class cloud solution takes the guesswork out of infrastructure deployments and data security of Big Data and reporting in SAP HANA environments. As an all-inclusive package, this offering serves as a single resource for infrastructure assessment, upgrade and migration preparation, proof-of-concept (POC), pilots, production and post-production support, and financing.

The key benefit of the SAP HANA platform is enabling businesses to access and analyze very large volumes of company data, internal and external, real-time. For this competitive advantage to be truly effective, business critical information must be protected with multiple levels of high security and regular backups, yet remain accessible to authorized individuals on-demand. Extensive TCO and ROI analysis of SAP HANA migration options ensure that each SAP HANA deployment is sized appropriately for the business.

At its core, NEC's infrastructure uses high-performance, scalable servers and storage that are certified for SAP HANA as the backbone for this highly secure and reliable private cloud solution. Ample memory resources easily support virtualization, backup and disaster recovery applications in converged infrastructures. Red Hat Enterprise Linux for SAP HANA provides an open, reliable, and scalable foundation for the most demanding data solutions. This ready-to-use operating environment is pre-configured for performance and optimized for SAP HANA.

NEC's In the Mountain turnkey solution is hosted in one of the most secure underground private cloud data centers, which is managed by Iron Mountain. Our experience administering private cloud installations and maintenance clientele – from entry-level to enterprise-class – enables NEC and its technology partners to fast-track adoption of SAP HANA. Our clients benefit from the flexibility and faster time-to-value of NEC's In the Mountain private cloud with fully managed, enterprise-class SAP solutions.

Scalable pay-as-you-go and pay-as-you-grow economic models ensure enterprises only pay for the resources required, when they are needed. Flexible financing options are available to companies of all sizes.

Solution

Services to the Max

NEC and its SAP Technology Partners are uniquely qualified to handle business data backup and disaster recovery needs for companies of all sizes, from startups and small businesses to large-scale corporations. NEC's In the Mountain for SAP HANA private cloud infrastructure solution in Iron Mountain's underground data center delivers top-of-the-line services and compliance. Functioning as a unified resource for all infrastructure initialization and services enables NEC and its collaborators to deliver a new level of support and delivery assistance for SAP HANA customers.

In the Mountain services range from assessment to design. Effective SAP HANA deployments begin by understanding the TCO and ROI opportunities of an SAP HANA migration. By defining specific business objectives, the new SAP HANA platform is architected and optimized for each organization's business needs. With our clients, we carefully evaluate SAP HANA deployment options and roadmaps, as well as upgrades and migrations required before an SAP HANA deployment can begin.

Once the scope is defined and the infrastructure is prepared, our team provides worry-free implementation and management services, post-production support, and help desk assistance. Regular meetings and workshops ensure that benchmarks and milestones are met in a timely fashion. We can also handle technology refreshes, as needed.

Hosting and on-premises models are available with the necessary scalability and reliability features required for demanding SAP HANA deployments. The SAP Partner Center of Excellence (PCOE) certification of 3V Solutions and our experience working with SAP HANA ensures a professional, efficient implementation. Customers enjoy a faster, smoother path to SAP HANA analytics and reporting.

Analytics Powerhouse

The SAP HANA platform utilizes in-memory computing to speed up data-intensive processes, reduce complexity, and accelerate the time-to-value. Real-time analytics of Big Data available through this powerful tool enable informed decision-making and an unparalleled competitive advantage when deployed professionally in accordance to proven best practices. Conventional infrastructure cannot support the requirements and complexities that SAP HANA environments demand. To realize the full potential of SAP HANA requires high-performance processing power, expansive memory, and sophisticated tools.

The foundation of NEC's SAP HANA service offering is its comprehensive Nblock™ certified infrastructure. The Express5800/A2000 enterprise-class servers combined with the Express5800/R120 Series servers are tailor-made for this compute-intensive application by delivering the necessary standards of performance and high availability. Built with infrastructure certified for SAP HANA, In the Mountain delivers the performance, reliability, availability and serviceability (RAS) required for the intense rigors of hosting data centers.

With high availability features previously available only on mainframe or UNIX systems, NEC's infrastructure for SAP HANA boasts a new level of hardware redundancy that nearly eliminates the risk of a hardware failure and downtime. Enhanced failure analysis detection provides complete data and application protection. Unique memory module hot-add features allow upgrades without the inconvenience of even planned downtime.

Security, Resiliency & Eco-Friendly

Secure data storage is crucial for the health of any business, and even more so with SAP HANA data. Information must be stored securely, yet accessible to authorized individuals following strict compliance guidelines. Hosted by Iron Mountain, In the Mountain for SAP HANA provides a highly secure data center environment that is one of the most secure private cloud environments available today. Located in a Zero Seismic Zone, this facility provides Tier III resiliency and eco-friendly benefits.

The Iron Mountain underground facility provides a full production environment consisting of space, power, networking and the highest security levels required by tenants, such as the Department of Defense and other Federal government security agencies. Situated more than 200 ft. underground in natural limestone, the environment is a natural fit for modern data center efficiency. The geothermal design and a dedicated underground aquifer create an environmentally-friendly and stable environment for highly secure data storage.

Cloud Financing

As an Infrastructure as a Service (IaaS) provider, NEC understands the value of flexible financing services supporting capital and operating expense control for each business. Combined with the SAP Partner subscription-based model, NEC's In the Mountain solution for SAP HANA offers a scalable pay-as-you-go and pay-as-you-grow model to ensure enterprises only pay for the resources required, when they are needed.

Empowered by Innovation **NEC**

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