Better Control for SAP Landscapes with SUSE and Nutanix

Enjoy mission-critical reliability, easier management and rapid time to value.

SUSE and Nutanix for SAP at a Glance:

- **Get mission-critical uptime and reliability** with live patching, nondisruptive scaling and 99.999 percent availability.
- **Improve agility and control** with public cloud-like flexibility and speed on a single hybrid-ready platform.
- **Achieve faster time to value** by deploying and scaling apps quickly and eliminating the challenges of managing infrastructure silos.
- **Simplify infrastructure management** with a single pane of glass, one-click upgrades and machine learning.

- Product:
+ SUSE Linux Enterprise Server for SAP Applications
+ SUSE Linux Enterprise Live Patching
+ SUSE Manager
+ Nutanix enterprise cloud built on hyperconverged infrastructure (HCI)
+ Nutanix Era

Are You Getting Maximum Value from Your SAP Solutions?

As you focus on modernizing infrastructure to meet today's evolving business needs, it's important that you consider the operation and performance of the foundational solutions that drive your business—such as SAP NetWeaver, SAP HANA and SAP S/4HANA. Your entire infrastructure needs greater agility and scalability than traditional three-tier server-SAN architecture can provide, but moving everything to the cloud can be complex and costly.

Enterprises are increasingly taking a hybrid IT approach, where they combine the strengths of on-premises and cloud capabilities to manage their specific workloads and needs. Now SUSE and Nutanix are making hybrid IT even more beneficial with hyperconverged infrastructure (HCI)-based solutions that provide a common platform across the entire organization.

HCI connects data center server and networking hardware into a cluster and presents the internal storage and compute resources as a common pool across workloads. It uses smart software for easy, comprehensive systems and operations management. HCI-based solutions integrate the entire infrastructure; layer on additional integrated services such as security, automation, self-service and disaster recovery; and bridge the gap between traditional data center infrastructure and the public cloud.

With HCI-based solutions from SUSE and Nutanix, you get cloud-like agility with on-premises control for all your SAP landscapes, with mission-critical reliability, simplified management and a rapid time to

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value. SUSE and Nutanix can keep your entire infrastructure operating at peak performance and ensure that you get the most out of your SAP (and other) investments.

The Smart Choice for SAP Applications

SUSE and Nutanix can help you lower risks and costs by combining the leading Linux platform for SAP with the first hyperconverged platform ever certified for SAP applications—and SAP HANA, in particular. SUSE® Linux Enterprise Server delivers a fully supported operating system for a validated solution with Nutanix AHV, and Nutanix hyperconverged infrastructure for SAP HANA is certified only with SUSE Linux Enterprise Server for SAP Applications.

The combined solution allows you to run your entire SAP landscape, from applications to storage to SAP HANA, on a single hyperconverged platform, with a supported operating system. With the SUSE SAP Quick Start Wizard and the simplicity of Nutanix HCI, you can deploy SAP applications and all the pieces they rely on in far less time than with other infrastructure options.

Both SUSE and Nutanix are leaders in their fields. SUSE is the largest independent open source software provider in the world, and the Nutanix HCI platform is widely recognized by analysts as an industry leader in HCI. And both have worked closely with SAP for many years on joint engineering projects and partnering agreements that provide seamless support for you.

SUSE's longstanding partnership with SAP is especially significant. SUSE is the operating system that SAP uses for its own development platform, internal infrastructure and customer-facing solutions. The companies have more than

25 years of experience working together to help customers deploy SAP solutions easier and faster.

Save Time and Money While Driving Growth

SUSE-Nutanix HCI-based solutions for SAP applications include SUSE Linux Enterprise Server for SAP Applications, SUSE Linux Enterprise Live Patching, and SUSE Manager, all running on a Nutanix enterprise cloud built on HCI. The combined solution offers a range of backup and disaster recovery options, including native backup and recovery and tools that automate failover in SAP HANA replication scenarios.

SUSE Manager and the Nutanix enterprise cloud built on HCI help streamline management, from the operating system to each piece of the infrastructure, with intelligent automation. Manage everything from a single interface with 58 percent greater efficiency, while reducing the need for IT support up to 91 percent.

The Nutanix HCI approach allows you to consolidate multiple workloads onto a single, dense platform, using up to 80 percent less space and resulting in 62 percent lower total cost of ownership (TCO). You can deploy infrastructure 10 times faster with up to 82 percent less staff time required. Live patching and one-click infrastructure upgrades help minimize downtime and make life easier for IT. In fact, SUSE and Nutanix can help you slash unplanned downtime by 85 percent, back up 72 percent more frequently, facilitate disaster recovery and ensure security.

With the HCI-based solution from SUSE and Nutanix, you get the peace of mind that easily managed reliability and high availability can bring—for all of your mission-critical applications, including SAP solutions, databases your enterprise relies on, sensitive systems that can't go down and more.

SUSE is SAP's preferred operating system vendor, with more than 25 years of experience working together to help customers deploy SAP solutions easier and faster.

A Closer Look at the Components

SUSE LINUX ENTERPRISE SERVER FOR SAP APPLICATIONS

SUSE Linux Enterprise Server for SAP Applications is the leading operating system for SAP NetWeaver, SAP HANA and SAP S/4HANA solutions. It provides optimized performance and reduced downtime as well as faster SAP landscape deployments.

As a modern, modular operating system, it can help simplify multimodal IT and make traditional IT infrastructure efficient. As a result, you can easily deploy and transition SAP solutions and other business-critical workloads across on-premises and public cloud environments.

SUSE provides one Linux solution for all SAP applications and continually works with SAP to ensure the best performance:

- Consistently provides outstanding uptime and performance with built-in enhancements for SAP workloads
- Keeps mission-critical systems running with high-availability clustering features and nondisruptive upgrades
- Comes with built-in security features for SAP HANA
- Provides a tool to balance memory across SAP applications via Workload Memory Protection
- Helps avoid errors and improves speed of deployment with an automation wizard for SAP products (conformant with all SAP notes)
- Enables secure data transfers with enterprise remote encryption and kernel hardening
- Allows you to take snapshots of the system, including the kernel files, for greater resiliency via full system rollback

SUSE LINUX ENTERPRISE LIVE PATCHING

SUSE Linux Enterprise Live Patching enables you to apply critical updates to your Linux kernel without rebooting your system.

- Nondisruptive upgrades keep mission-critical applications, such as SAP HANA, running while you update your OS.
- Improve security and compliance by ensuring that systems stay up to date with security patches.

SUSE MANAGER

SUSE Manager is a best-in-class open source infrastructure management solution for your software-defined infrastructure. It offers:

- Automated deployment of operating system templates
- Automated patch management for hundreds of instances
- Detailed compliance auditing across multiple Linux platforms
- Ease-of-use management with graphical visualizations.

NUTANIX HCI

The Nutanix enterprise cloud is a highly resilient, hyperconverged infrastructure platform that brings the benefits of web-scale infrastructure to mission-critical applications such as SAP. Nutanix delivers the performance, simplified management, scalability, flexibility and availability that both end users and IT depend on.

Nutanix enterprise cloud solutions combine the core HCI product families—Nutanix Acropolis (AOS), Nutanix AHV hypervisor and Nutanix Prism management—along with other software

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products that automate, secure, provide cost governance and back up highly efficient infrastructure. Features include:

- Machine learning to automatically plan for and adapt to changing conditions
- Nondisruptive upgrades and scalability, including one-click node addition with no system downtime
- Guaranteed data locality for low-latency storage access to any part of an application
- Simplified storage management that eliminates complicated configurations; manual provisioning; and mapping with disks, RAIDs and logical unit numbers (LUNs)
- Mission-critical availability with a self-healing foundation and virtual machine (VM)-centric data protection, including support for top enterprise backup solutions
- API-based automation and rich analytics
- Flexible software-defined networking for visualization, automation and security
- Rapid one-click cloning of VMs without the wasted storage capacity that copying requires
- One-click operations, powerful capacity planning and insights, and automated processes that free time to focus on innovation rather than operations

A single platform that consolidates file, block and object storage

NUTANIX ERA
Nutanix Era is a suite of software which automates and simplifies HANA **database management,** bringing one-click simplicity and invisible operations to database provisioning and lifecycle management (LCM). Starting with Copy Data Management (CDM) as its first offering, Nutanix Era enables database admins to provision, clone, refresh and restore their HANA databases to any point in time. Through a rich, but simple to use, UI and CLI, they can restore to the latest **application-consistent transaction.**

- One-Click time machine: Leveraging Nutanix space and time-efficient snapshots and application-centric APIs.
- One-Click HANA database clone/refresh: Eliminates the time consuming, complex process of database clone/refresh

Compete Better with SUSE and Nutanix
Staying competitive today requires an agile infrastructure that enhances performance and simplifies management. Make your hybrid infrastructure the best it can be with HCI-based solutions for SAP from SUSE and Nutanix. You'll get more value out of your SAP investment and achieve the agility and scalability you need to thrive today and grow tomorrow.