

Product Flyer

Conquer Complexity to
Deliver Always-On Services

At a Glance

SUSE helps organizations unlock operational excellence by conquering the complexity of SAP S/4HANA infrastructures, ensuring data and services are available with near-zero downtime.

- + Deliver always-on services with high availability
- + Meet business requirements with faster service delivery
- + Fix Linux kernel vulnerabilities with no downtime
- + Secure systems against external attacks

Products

- + SUSE Linux Enterprise Server for SAP Applications
- + SUSE Linux Enterprise Live Patching

SUSE simplifies and optimizes SAP S/4HANA infrastructures with built-in high availability, disaster recovery and security.

Moving from your current environment to SAP S/4HANA means a significant re-think of your infrastructure and processes. It's likely to require new skills, new processes and modernization of your environment, perhaps by adding physical, virtual and cloud instances.

Things are bound to become more complex as your IT staff deploys these systems while continuing to handle routine maintenance like patches and updates.

That's where SUSE comes in.

SUSE helps conquer the complexity of SAP S/4HANA infrastructures. We simplify and optimize system and data management in your existing IT environment. Your data and services will be available, with minimal downtime, thanks to built-in high availability, disaster recovery and security features.

Deliver always-on services with high availability

SAP S/4HANA is mission-critical, so it is imperative to ensure compliance with HA/DR (High Availability/Disaster Recovery) requirements to maximize service availability. That's why SUSE Linux Enterprise for SAP Applications includes SUSE Linux Enterprise High Availability Extension, a full-featured HA/DR solution.

In the event of a system outage, it provides automated failover to backup systems. You gain the flexibility to easily configure, deploy and manage any clusters of physical and virtual systems into one of several high availability scenarios based on your thresholds for minimum downtime and cost optimization.

The solution enables you to deploy a choice of multiple HA/DR scenarios for SAP HANA and NetWeaver-based applications. It supports the latest enqueue failover and recovery options, Relax and Recover (ReaR) on all platforms, and early recognition of primary system failures.

Automate SAP HANA system replication to recover faster

SUSE Linux Enterprise Server for SAP Applications detects and automates failover as part of our High Availability solution. You decide on the type of recovery you want, whether a performance-optimized or cost-optimized scenario.

Reduce SAP HANA recovery time with persistent memory

SUSE was the first Linux distribution to support non-volatile memory for SAP HANA. Using persistent memory technology validated by SAP, SUSE reduces wait times since the SAP HANA database retains columnar data during shutdown.

Meet key business requirements with faster service delivery

SUSE is committed to helping organizations smoothly transition infrastructures to deliver SAP S/4HANA services for maximum agility.

For on-premises deployment, SUSE Linux Enterprise Server for SAP Applications speeds service delivery with an Installation Wizard so your infrastructure aligns with best practices from SAP Notes. When you're ready to deploy any part of your SAP infrastructure in the cloud, a broad choice of major hyperscalers (Amazon Web Services, Microsoft Azure, Google Cloud) as well as regional Cloud Service Providers are available for deploying SAP S/4HANA and SAP HANA applications quickly, easily and with best practices.

Fix Linux kernel vulnerabilities with no downtime

SUSE Linux Enterprise Live Patching enables live Linux kernel patching for stability and security issues — with no rebooting, no interruption, and no downtime. This significantly reduces the lengthy downtime that is usually required to restart large in-memory databases like SAP HANA.

SUSE Linux Enterprise Live Patching delivers several important benefits:

- Balance uptime and security needs
- Reduce the cost of downtime
- Maintain security audit compliance
- Limit lengthy SAP HANA restarts

“The Linux platform is faster and more reliable, and with SUSE’s Live Patching solution there’s zero need to reboot for OS maintenance – which is critical in a business that has little tolerance for downtime.”

Juha-Matti Heino
CIO
Wihuri

Secure systems against external attacks

The SAP HANA Firewall provides critical benefits like automated configuration for SAP HANA high availability, and important safeguards against external attacks such as Remote Disk Encryption. It is installed as part of SUSE Linux Enterprise Server for SAP Applications. If the SAP HANA system is already set up, an auto-configuration feature automatically analyzes the system and suggests best configuration options.

Since storing a disk encryption passphrase or key on a system to unlock automatically is not secure, SUSE Linux Enterprise Server for SAP Applications features a remote key server system. The system works by encrypting the SAP filesystem or SAP HANA data volumes on a landscape of hundreds or even thousands of servers. Each one communicates with the key server to acquire a key or certificate that unlocks the volumes automatically. This feature is compliant with the Key Management Interoperability Protocol, enabling integration with third-party key servers.

Ready to conquer the complexity of SAP S/4HANA?

SUSE helps conquer the complexity of SAP S/4HANA infrastructures by simplifying and optimizing system and data management in your IT environment. Your data and services will be available with near-zero downtime thanks to built-in high availability, disaster recovery and security features.

SUSE Linux Enterprise Server for SAP Applications is endorsed by SAP as an ecosystem solution that complements and extends SAP products, delivering value quickly, easily and with support from SAP.

Learn more at
www.suse.com/unlock-excellence



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