



# SUSE Enables the Promise of SAP S/4HANA

Lead the Change. Unlock Excellence.

## At a Glance

SUSE helps organizations unlock operational excellence by simplifying and speeding SAP S/4HANA deployments, and achieving faster time to value.

- + Smoothly transition to SAP S/4HANA on-premises or in the cloud
- + Deliver services faster with automation tools
- + Automate infrastructure management
- + Ensure reliability of SAP S/4HANA services

## Products

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

Are you transforming your internal business processes and IT infrastructure to better compete in today's digital economy? SAP S/4HANA provides the agility and adaptability your organization needs to realign business processes and leverage key technologies like Internet of Things (IoT), Big Data, mobile applications and cloud computing — while reducing IT complexity.

**SUSE helps companies realize the benefits of digital transformation by delivering a fast, reliable and secure platform uniquely designed and optimized for SAP S/4HANA environments.**

### Smoothly transition to SAP S/4HANA on-premises or in the cloud

SAP S/4HANA applications are built on open-source technology to support digital

transformation by reducing IT infrastructure complexity. SAP's strategy is for all of its applications to be based on SAP HANA—which only runs on Linux. SUSE is committed to helping you smoothly transition your infrastructures to deliver SAP S/4HANA services for greater agility, today.

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

You choose the provider you want using pre-defined deployment templates that best fit your needs and preferences for bring-your-own-subscription or pay-as-you-go options.

#### **Deliver Services Faster with Automation Tools**

A key objective of digital transformation is to deliver services faster. SUSE Linux Enterprise Server for SAP Applications reduces the time to install and configure SAP S/4HANA landscapes with consistent, repeatable results. It features configuration scripts and automated deployment of a full SAP S/4HANA software stack for single node and clustered configurations. SUSE Linux Enterprise Server for SAP Applications leverages SAP application configuration and performance tuning packages developed by SUSE and made available to the open-source community. Integrate automated installations with SUSE Manager so that you use a single pane of glass for lifecycle management of your SAP systems—on premises and in the cloud.

SUSE Manager helps you simplify and optimize the applications and data in your existing IT environment. You update your systems without downtime and achieve non-stop IT as you transition to S/4HANA. SUSE Manager is designed to work in a multi-vendor, multi-platform environment. You can always count on your IT solutions – 24/7. With fewer disruptions and faster response time, you'll have happy customers and a more engaged workforce.

#### **Automate Infrastructure Management**

SUSE empowers SAP Basis Administrators to proactively identify issues before there is a failure, with server and SAP-specific operational data automatically collected and graphically displayed on a dashboard. Another feature improves the effectiveness of troubleshooting SAP HANA System Replication with tooling that helps Basis Administrators to visualize and validate cluster decisions and to replay failover transitions.

Server instance configuration and software updates can be quickly identified and performed automatically. Maintenance tools are either fully automated or provide a wizard that guides system administrators through a configuration update or troubleshooting steps.

#### **Ensure Reliability of SAP Application-Based Services**

SAP S/4HANA is mission-critical. That's why SUSE Linux Enterprise for SAP Applications includes SUSE Linux Enterprise High Availability Extension, a full-featured, High Availability, Disaster Recovery solution. Easily cluster any combination of physical and virtual systems into one of four High Availability scenarios based on your need for rapid recovery and cost-optimization. SUSE innovation enhances SAP S/4HANA System Replication to automatically failover and recover in the event of a system outage.

Another way to reduce downtime of your SAP S/4HANA system is persistent memory. SAP has validated the use of persistent memory solutions from IBM and Intel for SAP HANA databases to enable instant database recovery after system reboots. This eliminates the need to wait for data to load into traditional RAM from storage, which can take several hours for large SAP HANA databases.

Avoiding downtime for your SAP S/4HANA system is important, but so is keeping it secure. With SUSE Linux Enterprise Live Patching, you deploy multiple critical kernel patches for security vulnerabilities or stability issues without rebooting servers or waiting for the next service window.

Two key security features are also included in SUSE Linux Enterprise Server for SAP Applications. An SAP HANA Firewall secures the in-memory system. And a built-in key server lets you remotely unlock encrypted remote-storage volumes after a system reboot. The Key Management Interoperability Protocol is supported if you want to use your own proprietary key server.

“SUSE Linux Enterprise Server for SAP Applications allows us to provide our clients a smooth path to the latest features and the next-generation business suite SAP S/4HANA.”

Peter Wiotti  
Head of Business Area Basis & Hosting  
Implema

#### Lead the change. Unlock excellence.

SUSE simplifies and speeds up SAP S/4HANA cloud deployments by delivering the broadest platform support of any open source solution, including multiple Linux distros, server technologies and hypervisors. SUSE helps you achieve faster time to value by providing the technical and product expertise you need to accelerate your S/4HANA deployment.

SUSE is the market leader for SAP infrastructure solutions:

- 20 years of innovation and collaboration with SAP in the LinuxLab
- The first OS for SAP HANA on x86-64 and ppc64le-based servers
- 85% share of the SAP HANA market
- 90% share of SAP HANA benchmarks on Linux
- 100% share of SAP Business One version for SAP HANA

SUSE enables the promise of SAP S/4HANA by delivering SAP applications faster, easier, and with lower risk — on-premises and in the cloud.

Learn more at [www.suse.com/unlock-excellence](http://www.suse.com/unlock-excellence).