



SUSE Linux Enterprise Live Patching: Ideal for SAP Landscapes

Your company depends on your SAP systems for business operations that control costs and drive revenue. SUSE® Linux Enterprise Live Patching gives you the flexibility to keep your SAP landscape stable and secure without the unexpected planned downtime typically associated with Linux kernel patches. Combined with SUSE Linux Enterprise Server for SAP Applications, SUSE Linux Enterprise Live Patching brings your SAP HANA and S/4HANA systems even closer to zero downtime.

SUSE Linux Enterprise Live Patching at a glance:

- Maintain SAP System Security with Minimal Disruption:
IT staff eliminates known Linux kernel vulnerabilities with less administrative work
- Keep SAP Transaction and Analytics Systems Operational:
SAP system users experience no downtime or performance degradation during kernel updates
- Take Control of Maintenance:
IT staff schedules reboots during planned maintenance windows, reducing unplanned downtime

Security without Compromise

SAP transaction and analytics systems are critical to ensuring business operations run smoothly, and that users have the timely information they need for decision-making. When operating system security vulnerabilities are identified, it's important to eliminate the risk to the systems and data as soon as possible. Typically that means having to make a choice between two undesirable options: take services off-line to apply the patch or risk further exposure to the security problem while waiting for the next scheduled maintenance period. Either way business operations can be negatively affected by increased costs and lost revenue.

With SUSE Enterprise Linux Live Patching you no longer have to choose between continued business operations and security. You can perform Linux kernel patching without interrupting SAP Enterprise

Resource Planning (ERP), Business Process Management (BPM) or other application systems, which saves the cost and productivity impact of downtime. It also reduces the recovery time of large SAP HANA databases which can take several hours to load after a planned outage.

Deploying patches to your systems is implemented in SUSE Linux Enterprise Live Patching with familiar deployment methods, making it easy to make operating system maintenance more efficient and secure. SAP systems running on SUSE Linux Enterprise Server for SAP Applications can run continuously—with no interruptions or performance hits—while you apply critical kernel patches in the background.

Maintain SAP System Security with Minimal Disruption

Your SAP systems are exposed to malicious attacks when the Linux kernel is not up to

With SUSE Linux Enterprise Live Patching, we can complete security patching quickly during business hours. Because we can apply Linux kernel fixes without impacting the business-critical SAP applications running on the system, we don't need to schedule downtime windows – we can patch systems practically whenever we want.

Thomas Lowin
Server Operations Lead
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date. Applying patches to the Linux kernel can be disruptive and time-consuming. Because SAP systems are mission-critical, IT staff often has to put ongoing service delivery and maintenance tasks on hold to deal with the urgency of a security vulnerability or stability concern.

SUSE Linux Enterprise Live Patching allows you to apply kernel patches using signed packages (RPM) from SUSE. This signature minimizes your exposure to security risks by verifying that a kernel live patch has been created by SUSE. Applying the patch is simple because you can use your choice of existing deployment methods, including but not limited to YaST®, zypper, SMT and SUSE Manager. The OS vital product data is updated so that an audit shows a patched system without the security problem.

Keep SAP Transaction and Analytics Systems Operational

SUSE Linux Enterprise Live Patching keeps your business running by keeping your SAP NetWeaver, SAP HANA and SAP S/4HANA systems operational while you update the Linux kernel. Line of business, customer and partner users have continued use of transaction systems and data with no performance degradation. Long-running analytics and simulation processes execute with no interruption or the need to restart during the live kernel patch. This enables the business processes that generate revenue and control costs to continue nonstop.

Take Control of Maintenance

With SUSE Linux Enterprise Live Patching in your SAP environment you have control. Avoid the time and effort required to schedule a new maintenance window, stop and restart the affected SAP systems by patching the affected systems as soon as a fix is available. Simply wait until a convenient time within the next year to restart the system. There is no

limit to the number of kernel patches that can be applied. Eliminating downtime for Linux kernel patches helps meet Service Level Agreements for system availability.

Get the Leading Platform for SAP Systems

SUSE Linux Enterprise Server for SAP Applications is the number one Linux platform for SAP HANA, S/4HANA and NetWeaver systems in on-premise, cloud and hybrid environments. It is the preferred Linux platform of SAP and over 30,000 customers who need to:

- Boost performance for mission-critical SAP applications.
- Reduce downtime of critical operations.
- Reduce the time and effort to deploy and maintain SAP landscapes.

A subscription for SUSE Linux Enterprise Live Patching complements SUSE Linux Enterprise Server for SAP Applications, delivering zero downtime for security patches of SAP-based ERP, BPM and other critical business systems.

To learn more please visit: www.suse.com/products/live-patching and www.suse.com/products/sles-for-sap

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