

Red Hat Enterprise Linux for SAP solutions

Tried, tested, trusted

More than **90%** of Fortune 500 companies rely on Red Hat products.²

Benefits of standardizing on Red Hat

Organizations that standardize on Red Hat Enterprise Linux benefit from:³

- ▶ **54%** less unplanned downtime.
- ▶ **48%** more applications developed per year.
- ▶ **34%** more efficient IT infrastructure teams.
- ▶ **313%** 3-year ROI.

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Optimize SAP environments for today and beyond

Your business relies on your SAP environment for critical processes and data. However, an inefficient environment can cause delays, reduce agility, and increase costs across your IT organization. In fact, 67% of IT organizations are focusing on improving operational business efficiencies to deliver return on investment (ROI).¹ Your IT team must optimize your infrastructure and operations to meet this mandate.

Standardizing your IT infrastructure on Red Hat's platform can help you optimize your SAP environment and operations while preparing you for the future. Red Hat provides a stable, security-focused, high-performance foundation for business-critical systems. Consistency across bare metal, virtualized, hybrid, and cloud infrastructure allows you to deploy and manage both traditional and cloud-native workloads using the same tools and interfaces. World-class support helps resolve issues in less time to help ensure business continuity.

Red Hat and SAP share a solid alliance and more than 25 years of co-innovation. Together, Red Hat and SAP can help you streamline your IT today and lay a foundation for digital transformation and ongoing innovation, so that you can remain competitive in fast-moving and disrupted markets.

Red Hat Enterprise Linux for SAP Solutions

Red Hat helps support the entire SAP journey, including modernization, with a robust operating system foundation built on [Red Hat® Enterprise Linux® for SAP Solutions](#).

Your underlying operating system can greatly affect how well your SAP application performs. The result of a long-standing collaborative engineering relationship between Red Hat and SAP, Red Hat Enterprise Linux for SAP Solutions is built on the same foundation as the world's leading enterprise Linux platform, [Red Hat Enterprise Linux](#). It combines the reliability, scalability, and performance of Linux with technologies that meet the specific requirements of SAP applications, making it easier to manage your SAP environment.

Why standardize on Red Hat

Standardizing your SAP environment on Red Hat Enterprise Linux simplifies management and consistency, which in turn supports increased efficiency, greater uptime, and a stronger security posture. A single subscription model and operating system provide a cost-effective, consistent platform that streamlines operations and increases stability. Red Hat also provides SAP-specific repositories that contain additional packages for running SAP applications.

1 Ahmed, Rizal, and Grant Suneson. "The CIO's 2024 Agenda for SAP, SAP S/4HANA, the Cloud and Beyond." SAP, Apr. 2024.

2 Red Hat customer list; "Fortune 500 – The largest companies in the U.S. by revenue." Fortune, accessed 3 Feb. 2024. (Requires subscription.)

3 IDC Business Value Executive Summary, sponsored by Red Hat. "The Business Value of Standardizing on Red Hat Enterprise Linux." Document #US52594324, Sept. 2024.

A complete platform

Red Hat Enterprise Linux for SAP Solutions includes:

- ▶ The Red Hat Enterprise Linux operating system.
- ▶ High Availability Add-On for increased uptime.
- ▶ Red Hat Smart Management for lifecycle management.
- ▶ Red Hat Lightspeed for proactive issue identification and remediation.
- ▶ Red Hat Lightspeed (included in Red Hat Enterprise Linux) for simplifying the deployment, management, and maintenance of Linux environments.
- ▶ Security-Enhanced Linux (SELinux) for defining access controls.
- ▶ Technical components to support SAP HANA, SAP S/4HANA, and business applications.
- ▶ Update Services for SAP Solutions for up to 4 years.

Enterprise stability for business-critical environments

When your business relies on your SAP environment, it must be up and running at all times. Red Hat Enterprise Linux provides a reliable, stable operating environment for your SAP landscape. Red Hat Update Services provides up to 4 years of support—including security patches and critical fixes—for select minor releases of Red Hat Enterprise Linux. When you upgrade to a new minor release, binary compatibility and kernel stability ensure that your system remains stable and that both SAP and custom applications continue to execute smoothly.

Optimized, efficient performance

A high-performance foundation is required for SAP applications to provide the most value to your business. Software and hardware must be engineered and optimized together to achieve the greatest performance and efficiency. Red Hat and SAP engineers collaborate in the SAP Linux Lab—an open source community environment in which SAP and SAP partners work together to innovatively address their joint customers' issues—to ensure that SAP applications running on Red Hat Enterprise Linux achieve high levels of performance across hardware platforms.

High availability

SAP workloads are critical for your business and downtime can be costly. The Red Hat Enterprise Linux High Availability Add-On, included with Red Hat Enterprise Linux for SAP Solutions, provides failover orchestration across your environment to keep your SAP workloads up and running at all times. Using Pacemaker and specialized SAP resource agents, Red Hat Enterprise Linux for SAP Solutions offers a standards-based approach for high-availability operations.

Efficient and proactive management and security

To be most effective, all systems in your SAP landscape must be up-to-date and in compliance with security and regulatory policies. Consistent management and configuration, and a strong security focus across development, test, and production environments is key. Red Hat Enterprise Linux for SAP Solutions includes [Red Hat Lightspeed](#) (formerly Red Hat Insights), [Red Hat Satellite](#), [live kernel patching](#), and [Security-Enhanced Linux \(SELinux\)](#) to help you achieve this.

Red Hat Lightspeed delivers predictive operating system analytics that let you rapidly identify and remediate threats to availability, security, stability, and performance. Proactive, automated, targeted issue resolution helps to keep your environment operating optimally to avoid problems and unplanned downtime. Red Hat Lightspeed includes more than 600 rules, including many specific to SAP system configuration requirements and best practices, to identify vulnerabilities before they affect critical operations. If a system contains a known vulnerability, Red Hat Lightspeed automatically alerts you and provides instructions—including playbooks for Red Hat Ansible® Automation Platform to fix the problem. Red Hat Lightspeed is a Software-as-a-Service (SaaS) solution that you can interact with via [cloud.redhat.com](#) or the Red Hat Satellite web interface.

Red Hat Satellite is a scalable lifecycle administration platform that lets you provision, patch, configure, and control all of your Red Hat infrastructure, including development, testing, and production systems. It lets you scale your environment, streamlining the management of distributed systems across multiple datacenters. It also provides subscription management capabilities. With Red Hat Satellite, you can remediate configuration deviation and feel confident that all systems have the latest security patches. Complete auditing capabilities record and report the historical state of your systems at any point in time.

Automate to innovate

Adopting Red Hat Ansible Automation Platform helps your organization:

- ▶ Unify management and automation across diverse IT and database environments.
- ▶ Control workloads from a single console.
- ▶ Provide self-service resource provisioning.
- ▶ Automate common tasks to accelerate operations, eliminate manual errors, and free teams to innovate.

Live kernel patching offers the capability to apply critical security patches to a running Linux kernel, without requiring a reboot or interrupted runtime. This helps your existing implementation to run with a stronger security posture, and allows your system administrators to avoid rebooting until the next scheduled maintenance window.

Finally, SELinux defines and enforces access controls for your applications, processes, and files, which helps you meet compliance standards while mitigating risk.

Complete and integrated infrastructure platform

Red Hat offers a complete software infrastructure platform to meet your organization’s needs, including solutions for management and automation. [Ansible Automation Platform](#) can help you manage the complexity of deploying and managing SAP workloads, as well as simplify migration to SAP HANA® and S/4HANA®. Integration across the platform ensures interoperability and optimization.

The general availability release of Red Hat Enterprise Linux 10 is anticipated to include Red Hat Lightspeed, which uses generative artificial intelligence (gen AI) capabilities to help simplify the deployment, management, and maintenance of Linux environments and improve teams’ efficiency and productivity.

Award-winning support from Red Hat

Issues in your SAP environment can cause costly downtime. Red Hat offers award-winning support that is complemented by integration between the Red Hat and SAP customer support ticketing systems, which provides a single point of contact for support issues and streamlined resolution of incidents.

Build more value for SAP landscapes

Red Hat Enterprise Linux for SAP Solutions provides more value for your organization. By standardizing on a single, high-performance, security-focused platform, you can optimize your SAP environment, encourage ongoing innovation, and prepare for future change.

To get started with Red Hat Enterprise Linux for SAP Solutions, [contact a Red Hatter](#).



About Red Hat

Red Hat is the world’s leading provider of enterprise open source software solutions, using a community-powered approach to deliver reliable and high-performing Linux, hybrid cloud, container, and Kubernetes technologies. Red Hat helps customers develop cloud-native applications, integrate existing and new IT applications, and automate and manage complex environments. [A trusted adviser to the Fortune 500](#), Red Hat provides [award-winning](#) support, training, and consulting services that bring the benefits of open innovation to any industry. Red Hat is a connective hub in a global network of enterprises, partners, and communities, helping organizations grow, transform, and prepare for the digital future.

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