



# Red Hat and Lenovo for SAP

Get reliable business intelligence with an IT foundation certified for SAP

## SAP HANA and SAP S/4HANA

are only certified to run on select editions of Linux. Red Hat Enterprise Linux is one of them.

Lenovo is No. 1 in x86 server reliability seven years running.<sup>1</sup>

## Data to insight – SAP for business success

More than 200 million cloud users, representing 92% of the Forbes Global 2000, rely on SAP® applications to run core business operations.<sup>2</sup> Those core operations include enterprise resource planning and finance, procurement and supply chain management, and human resources and customer experience. Across the enterprise, SAP transforms massive amounts of data into the intelligence to tackle big challenges and accelerate digital transformation.

## Set the stage for optimal SAP performance

Critical applications and data call for an uncompromising IT foundation. The underlying infrastructure of the SAP landscape must deliver stability, efficiency, security, performance, and availability – at scale.

Red Hat, Lenovo, and SAP joined forces to make those requirements a reality:

- ▶ **SAP** provides an integrated portfolio of applications, processes, and tools to run an intelligent enterprise, with proven experience in 26 industries and 48 years in business.<sup>2</sup>
- ▶ **Red Hat** provides the SAP-certified Linux® operating system – [Red Hat® Enterprise Linux for SAP Solutions](#) – coupled with predictive management tools and open software to extend IT to cloud and container environments and tools to implement enterprise-wide automation.
- ▶ **Lenovo**® provides the SAP-certified servers, storage, and endpoints to run high-performance SAP data and analytics applications.

Red Hat and Lenovo bring these components together in a pre-engineered, tested, and validated infrastructure with SAP-specific content and award-winning 24x7 support.<sup>3</sup>

The combination of Red Hat Enterprise Linux for SAP Solutions and Lenovo enhances the ability to operate SAP and SAP S/4HANA® landscapes with less downtime, helping organizations avoid business disruption and lost revenue.

## The power of Red Hat, SAP, and Lenovo

Partners for over 20 years, [Red Hat and SAP](#) share a strong alliance. Red Hat's solutions are certified with SAP and add business value well past migration.

The growing technical and business collaboration between the two companies brings the full advantages of our respective strengths: Red Hat's position as the market-leading provider of open source platforms<sup>4</sup> and SAP's global strength in business software.



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<sup>1</sup> Lenovo Press. "ITC Reliability Study," March 2020.

<sup>2</sup> SAP corporate fact sheet, August 1, 2020.

<sup>3</sup> Red Hat Customer Portal. [Awards & Recognition](#). Accessed September 2020.

<sup>4</sup> Red Hat blog. "[Red Hat: Leading the enterprise Linux server market](#)," December 5, 2019.



Red Hat Enterprise Linux is the No. 1 commercial Linux distribution in public cloud environment<sup>4</sup>—and the stable, open operating system chosen by 90% of Fortune Global 500 companies.<sup>5</sup>

Lenovo is a leading provider of x86 servers.<sup>6</sup>

[Red Hat Enterprise Linux for SAP Solutions](#) provides a single, consistent foundation for SAP and non-SAP workloads. In addition to the operating system, this SAP-optimized offering includes open and integrated components to get the most from SAP applications. For example:

- ▶ [Red Hat Smart Management](#) works with [Red Hat Satellite](#) to simplify life-cycle management of Red Hat Enterprise Linux systems.
- ▶ [Red Hat Insights](#) performs in-depth analysis of registered Red Hat-based systems to proactively identify threats to security, performance, and stability across physical, virtual, and cloud environments and container deployments.
- ▶ [Red Hat Enterprise Linux High Availability Add-On](#) supports business continuity and ensures there is no single point of failure in a cluster.
- ▶ [Red Hat OpenShift®](#), the container platform based on Kubernetes, extends SAP environments to hybrid cloud and container environments.
- ▶ [Red Hat Ansible® Automation Platform](#) automates infrastructure management through the entire production life cycle with SAP—provisioning, configuration, orchestration, application deployment, and security.
- ▶ Optional [Red Hat Virtualization](#) runs multiple SAP and non-SAP workloads in separate partitions of a single physical machine (virtual machines, or VMs) to use resources more flexibly and efficiently.
- ▶ [Red Hat Consulting](#) works with organizations to create the proper IT foundation that aligns with the customer's SAP journey.
- ▶ Additional Red Hat technical components support SAP HANA, SAP S/4HANA, and business applications and workloads.

Lenovo and SAP also have a long history of collaboration and innovation. Lenovo servers and storage form the physical datacenter infrastructure to support the most demanding SAP workloads.

The [Lenovo ThinkSystem Solution for SAP Business Suite](#) combines modern server architecture with expanded memory and input/output (I/O) capacity, packaged in a modular, grow-as-you-go form factor. Intel® Xeon® processors deliver superior raw compute power and memory to significantly outperform previous generations of processors.<sup>7</sup>

Lenovo ThinkSystem servers and ThinkAgile hybrid cloud systems help optimize large SAP workload activities. Your business gains new levels of real-time visibility and agility across the organization and digital supply chain.

<sup>5</sup> Red Hat client data and Fortune 500 list for 2020.

<sup>6</sup> IDC. "IDC Quarterly Server Tracker, Q2 2020," September 8, 2020.

<sup>7</sup> Red Hat blog. "[Red Hat Enterprise Linux with Intel's newest Xeon processors posts record performance results across a wide range of industry benchmarks](#)," April 16, 2019.



## Benefits of the Red Hat and Lenovo solution for SAP

**High performance.** The Red Hat and Lenovo solution for SAP delivers strong performance for key metrics such as: total data load and transformation runtime, total complex query phase runtime, and query executions per hour.

**Cloud readiness.** Red Hat is a leader among multicloud container development platforms,<sup>8</sup> while Lenovo is actively building enterprise cloud datacenters with its competitively priced hardware and management tools.

**Business continuity.** Lenovo products deliver premium uptime due to exceptional resilience, fault tolerance, and management. Extend that reliability with Red Hat's high-availability, analytics, and management features.

**Security.** Lenovo servers come standard with features and practices to protect hardware and firmware from attacks. Red Hat adds security to make open source a certified, warranted product for enterprise use.

**Assured interoperability and streamlined procurement.** Lenovo servers are Red Hat-certified and will continue to be tested as the hardware evolves and software is updated. Lenovo's open cloud infrastructure supports the full Red Hat stack. To simplify the process for our mutual customers, Lenovo and its partners can sell and deploy all the components and SKUs of our joint solution.

**Global support and shared innovation.** Red Hat, Lenovo, and SAP work together to deliver life-cycle support and issue resolution for your SAP environment.

**Low total cost of ownership.** Implementing Red Hat subscription-based products and services on cost-effective Lenovo servers can reduce capital expenditures (CapEx) and operating expenses (OpEx)—savings to stretch your IT budget or boost the bottom line.

## Lenovo and Red Hat—stronger together

From device to datacenter to cloud, Lenovo and Red Hat have been delivering integrated hardware and software solutions to customers around the globe for years.

Red Hat and Lenovo offer a robust open hybrid cloud portfolio to build the right solution for every application. From software to hardware to management, automation, and developer tools, we are working together to change the economics of the datacenter.

Our global teams are well aligned in their continuing commitment to open source innovation. This alliance creates a solid foundation for all SAP initiatives, with built-in security, solid performance, and support for technologies such as containers, automation, and hybrid cloud environments.

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<sup>8</sup> Forrester. "The Forrester Wave™: Multicloud Container Development Platforms 2020 Q3 report," September 15, 2020.

### Learn more

Contact your Lenovo or Red Hat representative to schedule a discovery session or visit [redhat.com/en/partners/lenovo](https://redhat.com/en/partners/lenovo). For more information about Red Hat and SAP, visit [www.redhat.com/sap](https://www.redhat.com/sap).



### 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 integrate new and existing IT applications, develop cloud-native applications, standardize on our industry-leading operating system, and automate, secure, and manage complex environments. Award-winning support, training, and consulting services make Red Hat a trusted adviser to the Fortune 500. As a strategic partner to cloud providers, system integrators, application vendors, customers, and open source communities, Red Hat can help organizations prepare for the digital future.



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**North America**  
1 888 REDHAT1  
www.redhat.com

**Europe, Middle East,  
and Africa**  
00800 7334 2835  
europe@redhat.com

**Asia Pacific**  
+65 6490 4200  
apac@redhat.com

**Latin America**  
+54 11 4329 7300  
info-latam@redhat.com