Red Hat Enterprise Linux and Lenovo

Leading enterprise open source software and servers: Better together

Lenovo and Red Hat have been delivering integrated hardware, software, and support to customers around the globe for years. This relationship delivers a positive experience with complete support for end-to-end design, implementation, and customer service.

Optimizing your infrastructure? Processing-intensive new workloads can obstruct an inefficient infrastructure while encumbering the organization with high energy costs, slow response times, and ongoing maintenance.

You need the right servers to ensure a smooth upgrade and the performance you expect.

Migrating more to the cloud? Organizations must shift from traditional IT infrastructures to flexible, service-centric environments. For most, that means cloud-first or cloud-only strategies—and Linux®.

You need assured consistency and interoperability across diverse private and hybrid cloud platforms.

Looking to escape the costs and limitations of proprietary software? Licenses can add up, especially if you have to overprovision for future needs or buy a mixture of tools and operating systems to make it all work.

You can reduce costs and vendor lock-in without compromising performance.

Prepare for digital transformation

Critical applications and data require an uncompromising IT foundation. The underlying infrastructure of your datacenter or hybrid cloud environment must deliver stability, efficiency, enhanced security, performance, and availability at scale.

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

- **Red Hat®** provides the world's leading Linux® operating system[1] coupled with predictive management tools and open software to extend IT to cloud and container environments and help you achieve a cost effective, optimized infrastructure.

- **Lenovo®** provides the servers, storage, endpoints, and services to run high-performance data and analytics applications running on Red Hat open source software.

Red Hat and Lenovo bring these components together in pre-engineered, tested, and validated offerings with award-winning 24x7 support.

An alliance of leading technology partners

Close technical and business collaboration combines the advantages of our respective strengths: Red Hat's position as the leading provider of open source platforms and Lenovo's leadership in enterprise hardware and infrastructure management tools.

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1 *Red Hat blog. "Red Hat: Leading the enterprise Linux server market," Dec. 2019.*

Red Hat Enterprise Linux® provides a stable, intelligent, open operating system foundation and is the OS chosen by 90% of Fortune Global 500 companies.[3] Red Hat Enterprise Linux offers built-in manageability and integration with Red Hat management and automation products. Every active Red Hat Enterprise Linux subscription includes access to Red Hat Insights to deliver predictive operating system analytics that rapidly identify and remediate threats to availability, security, and performance. Red Hat and Lenovo engineers worked together to ensure that Red Hat Enterprise Linux maximizes the latest Lenovo hardware innovations.

In addition to the operating system, Red Hat offers open and integrated software to get the most from Lenovo hardware. Optional Red Hat solutions support automation, infrastructure management, ultra-high availability, and more to modernize a trusted IT environment.

Lenovo servers and storage form the physical datacenter infrastructure to support the most demanding workloads.

- *Lenovo ThinkSystem™* servers combine modern server architecture with expanded memory and I/O capacity packaged in a modular, grow-as-you-go form factor. Intel® Xeon® processors deliver superior raw compute power and memory to greatly outperform previous generations of processors.

- Lenovo ThinkSystem servers and *ThinkAgile™ hybrid cloud systems* are optimized for large workloads. Your business gains new levels of real-time visibility and agility across the organization and digital supply chain.

Lenovo delivers a range of deployment options—private cloud, multicloud, hybrid cloud, customized, or turnkey—all engineered to work as a cohesive system.

Red Hat and Lenovo work together to create and validate solutions that integrate Red Hat software and Lenovo's advanced servers. You get peace of mind when selecting or recommending a joint solution proven to work together and documented in reference architectures and reseller packages.

Business benefits of the Lenovo and Red Hat partnership

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 capabilities.

Speed to market. Get up and running faster with less effort—any application at any time on any footprint. Deploy with confidence across computing environments.

Cloud readiness. Red Hat is the industry leader in open source cloud software and Lenovo is building enterprise cloud datacenters with competitively priced hardware and management tools.

Future-readiness. Support emerging initiatives such as software-defined networking (SDN), Hadoop, network function virtualization (NFV), and high-performance computing (HPC), where Lenovo is the leading provider with 36% of the top supercomputers in the world running on Lenovo systems.

Low total cost of ownership. Running Red Hat products and services on cost-effective Lenovo servers can reduce capital expenditures and operational expenses—savings to stretch your IT budget or go right to the bottom line.

Lenovo is a leading provider of x86 servers.[2]

Simplify deployment with one stop for purchase, contact, and accountability.

Count on one provider for engineering, installation, and consulting.

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[2] IDC. *"IDC Quarterly Server Tracker, Q2 2020,"* Sept. 8, 2020.

[3] *Red Hat client data and Fortune 500 list, June 2020.*

Consistent application performance. Deliver the expected user experience, whether the underlying infrastructure is bare metal, virtual machine, or cloud.

Enhanced security. Lenovo servers come standard with industry-leading features and practices to protect hardware and firmware from attacks. Red Hat makes open source safe with a certified, warranted product for enterprise use.

Assured interoperability. 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.

Global support and shared innovation. Red Hat and Lenovo work together to deliver life-cycle support and issue resolution for the IT environment. Developers benefit from an extensive open source community.

Lenovo and Red Hat: Stronger together

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

Our global teams are well aligned in their continuing commitment to open source innovation. This synergistic alliance brings you a complete platform built on technologies that have been tested and validated together, coupled with award-winning support.

Learn more

Find out more about how Lenovo and Red Hat can accelerate your digital transformation.

"*Lenovo and Red Hat together deliver combined hardware and software with choice and flexibility, using tried and tested open standards. IT organizations can easily deploy and manage physical, virtual, and cloud environments while driving down the cost curve.*"

Brian Connors
Vice President and General Manager of Solutions, Strategic Alliances, and Business Development, Lenovo

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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