Red Hat Enterprise Linux 8

Build an intelligent foundation for modern business

In a digital world, IT is a critical business asset. To deliver competitive advantages, IT organizations must shift from traditional infrastructure operations to flexible, service-centric environments.

Red Hat® Enterprise Linux® 8 provides an intelligent, stable, and security-focused foundation for modern, agile business operations. Consistency across infrastructure allows you to deploy applications, workloads, and services using the same tools, regardless of location. As a result, you can deploy and operate the enterprise hybrid cloud environment your business needs faster and with less effort.

Key features and benefits

By giving you more control, confidence, and freedom to innovate, Red Hat Enterprise Linux 8 reduces the friction and cost of cloud deployment while accelerating time to market for critical business workloads. Enhanced usability and familiar, intuitive deployment and management interfaces help Windows and Unix users get started with Linux more easily. Complete, native automation lets you deliver services faster and more consistently across on-premise and cloud infrastructure. Streamlined access to high-quality open source development tools helps you build and launch new products more rapidly.

Intelligent operating system

Red Hat Enterprise Linux 8 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. Based on more than 25 years of customer support experience, Red Hat Insights delivers predictive operating system analytics that let you rapidly identify and remediate threats to availability, security, stability, and performance. Proactive automated issue resolution helps to ensure that your environment is operating optimally to avoid problems and unplanned downtime.
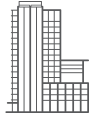
Fast, easy deployment

Red Hat Enterprise Linux 8 includes several features to speed deployment and simplify adoption for non-Linux users. A single subscription and install repository for all types of systems streamlines purchasing and installation. A seamless, nondisruptive migration process for existing Red Hat Enterprise Linux deployments helps you upgrade more easily. Finally, an image builder tool lets you set up a standard system blueprint and create customized image files for multiple hypervisors, reducing the effort needed to deploy workloads across hybrid and multicloud infrastructure.

Enterprise application support

Red Hat Enterprise Linux 8 is a trusted, optimized platform for enterprise applications and critical databases — including SAP® HANA®, Microsoft SQL Server, and PostgreSQL — as well as machine learning workloads and popular independent software vendor (ISV) offerings. It also gives you access to and advocacy within an extensive community of leading partners, customers, and experts working to advance the components your organization needs.

100%

of airlines, telecommunications service providers, and commercial banks in the Fortune 500 and 100% of U.S. executive departments trust Red Hat Enterprise Linux.[1]

Red Hat Enterprise Linux is the most-deployed commercial Linux distribution in the public cloud.[2]

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1 *Red Hat client data and Fortune 500 list, 2018.*

2 *Management Insight Technologies. "The State of Linux in the Public Cloud for Enterprises," February 2018.* redhat.com/en/resources/state-of-linux-in-public-cloud-for-enterprises.

Red Hat
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Advanced security features

Red Hat Enterprise Linux 8 supplies security technologies, controls, certifications, and the ongoing support of the Red Hat Product Security team to help safeguard your organization. Additional features like system-wide cryptographic policies, new compiler flags, advanced auditing, and updated protocols further help to defend your business.

Consistency across clouds

Red Hat Enterprise Linux 8 delivers a consistent application and user experience regardless of the underlying infrastructure. Deploy current applications and emerging workloads across bare-metal, virtualized, hybrid cloud, and multicloud environments, knowing they will operate reliably.

Innovative container technologies

Red Hat Enterprise Linux 8 provides advanced, innovative container infrastructure and tools to simplify container development and deployment. It supplies a lightweight, open standards-based container toolkit with everything you need to get started. Red Hat Universal Base Images (UBIs) let you take advantage of the reliability, security, and performance of official Red Hat container images, even if you are not a Red Hat customer.

Open source innovation

Red Hat Enterprise Linux 8 introduces Application Streams, an improved method for delivering multiple versions of userspace packages. Application Streams delivers new tools at a cadence that makes sense for each component, so you can more easily access the latest stable versions of the open source programming languages, tools, and databases you need to be productive. Red Hat Enterprise Linux 8 also features a predictable, time-based release cadence that simplifies planning and scheduling for larger datacenter and system updates, upgrades, and transitions.

DevOps support

Red Hat Enterprise Linux 8 contains unified tools to help your team adopt DevOps methods, without requiring command-line experience. An improved management console features a web-based, mobile-friendly graphical user interface (GUI) that simplifies operations and eases adoption for new Linux users. You can perform day-to-day administration tasks all from a single interface.

Accelerate your transition with expert services

Red Hat Services can work with you to accelerate your transition to Red Hat Enterprise Linux 8 and apply its capabilities to your own goals. Red Hat Training offers an updated curriculum as well as a new course to refresh experienced Linux administrators on new features and capabilities.

Learn more

To learn more about Red Hat Enterprise Linux 8, contact your Red Hat representative or visit redhat.com/en/technologies/linux-platforms/enterprise-linux.