

# 4 ways Red Hat Enterprise Linux delivers value

Red Hat® Enterprise Linux® serves as a foundation for modern hybrid infrastructure. Providing organizations with a consistent operational environment across bare-metal, virtual, and multicloud technologies. Red Hat Enterprise Linux takes the complexities of self-managed, open source software and builds a certified and curated platform with a predictable lifecycle, user-friendly management tools, and expert support.

## 1 Innovate faster with a trusted partnership

Built on 30 years of open source experience, Red Hat Enterprise Linux is created through upstream contributions. An open source approach makes certain that fixes are applied at the source, the platform remains compatible, and organizations can remain current with emerging open source innovation. Red Hat Enterprise Linux provides a reliable platform and the level of expertise organizational leaders need to:

- ▶ **Navigate open source complexity.** Decades of experience using open source solutions can help IT teams maximize the benefits of open source technology and apply the value of their Red Hat Enterprise Linux subscription. The platform is backed by a security-focused and transparent software supply chain.
- ▶ **Access personalized support.** Red Hat provides multiple support channels to help troubleshoot IT challenges, including a rich knowledgebase of Linux solutions, along with tools like Red Hat Lightspeed advisor, a command-line assistant that delivers real-time, tailored guidance.
- ▶ **Maintain hybrid cloud consistency.** Red Hat Enterprise Linux runs consistently across versions, on-premise, and cloud environments, offering organizations better flexibility and resource management.

## 2 Modernize across the organization

Red Hat Enterprise Linux supports cloud, container, and AI workloads across architectures and platforms, allowing consistent innovation wherever applications run. Capabilities such as image mode and Podman let teams adopt container-native workflows while retaining enterprise stability and compatibility. Additional benefits help to:

- ▶ **Minimize friction across the enterprise.** Reduce complexity with a unified platform that meets the needs of system administrators, IT operations teams, and developers by supporting operating system (OS) management with the same container tools and workflows as applications.
- ▶ **Boost developer productivity and agility.** Accelerate application development with developer-friendly design and features, and access to integrated partner solutions that expand opportunities to innovate.
- ▶ **Maintain IT flexibility.** Red Hat Enterprise Linux offers hybrid cloud portability.
  - ▶ Certified across more than 1,400 cloud and hardware partners.
  - ▶ Streamlined access to accelerator and device drivers aligned with the upstream Linux kernel.

### 3 Streamline IT operations on a singular platform

Standardizing on a singular platform reduces technical debt and operational friction. Red Hat Enterprise Linux helps organizations reduce operational complexity with standardized build and deployment workflows. The platform can also:

- ▶ **Simplify Linux management.** Red Hat Lightspeed (formerly Red Hat Insights), available in every Red Hat Enterprise Linux subscription, provides configuration insights and integrated patch management to keep IT systems security-focused, protected, and consistent.
- ▶ **Reduce costs.** Red Hat Enterprise Linux includes more than 30 built-in system roles that automate common administrative tasks—like firewall configuration, system registration, kernel tuning, security and compliance, and centralized identity.
- ▶ **Plan for the future.** Red Hat Enterprise Linux release cadence and digital roadmap gives IT teams visibility into upcoming features and content.
  - ▶ Package recommendations in Red Hat Enterprise Linux image builder can help organizations choose, adopt, or migrate to the desired Red Hat Enterprise Linux version for their IT environment.
- ▶ **Streamline Linux security management.** Red Hat Enterprise Linux helps automate patching, scanning, validation, and signing of systems and images. Enforce security policies to reduce operational complexity, and help maintain compliance at scale.

### 4 Operate confidently with a focus on security

Red Hat Enterprise Linux provides built-in proactive security features, functionality supporting key industry certifications, and intelligent capabilities that help organizational IT leaders:

- ▶ **Simplify compliance.** Develop and deploy applications on a validated, certified platform that meets government and regulated industry standards, including security and compliance. Its cryptographic modules are Federal Information Processing Standard (FIPS) 140-2/140-3 and Common Criteria validated.
- ▶ **Safeguard data.** Red Hat Enterprise Linux is the 1st distribution to include cryptographic algorithms to protect data in transit against threats posed by quantum computers. For sensitive workloads, confidential computing technologies protect data while it is in use.
- ▶ **Reduce risk and mitigate downtime.** Access tools and expertise to help maintain compliance, track vulnerabilities, and take action, while centralizing identity and access control to simplify policy management across systems.
- ▶ **Monitor and safeguard the environment.** Red Hat Enterprise Linux helps maintain compliance, track vulnerabilities, understand their influence, and take action, while centralizing identity and access control to simplify policy management at scale.
- ▶ **Increase efficiency and prevent issues.** Predictive analytics through Red Hat Lightspeed advisor help detect issues, analyze configurations, and provide recommended remediation playbooks when needed.

Learn more about enterprise Linux

Visit [The learning hub](#) and discover more about the benefits of a [Red Hat Enterprise Linux subscription](#).

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Red Hat helps customers standardize across environments, develop cloud-native applications, and integrate, automate, secure, and manage complex environments with [award-winning](#) support, training, and consulting services.

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