Red Hat

Make the most of your Red Hat Enterprise Linux experience

Unlock the true value of your investment

Contents

Innovation starts
with understanding

You've committed to Red Hat Enterprise Linux. Now you're ready to dig deeper.

Whether you have chosen Red Hat® Enterprise Linux® to deploy essential services, develop innovative applications, or adopt new technologies such as artificial intelligence and machine learning (AI/ML), your investment can help you accomplish these goals and more. With Red Hat Enterprise Linux, you are positioned to innovate more efficiently in the cloud, and build a foundation for your entire hybrid and multicloud environment— from security management, to portability, to lifecycle planning.

This e-book explores the value of Red Hat Enterprise Linux for your organization and the ways you can maximize the value of your investment by simplifying ongoing operations across your datacenter and cloud environments. We'll show you how your team can use Red Hat Enterprise Linux as a single set of tools and platforms to deploy, run, safeguard, and move applications and workloads across multiple footprints.

Explore Red Hat Enterprise Linux
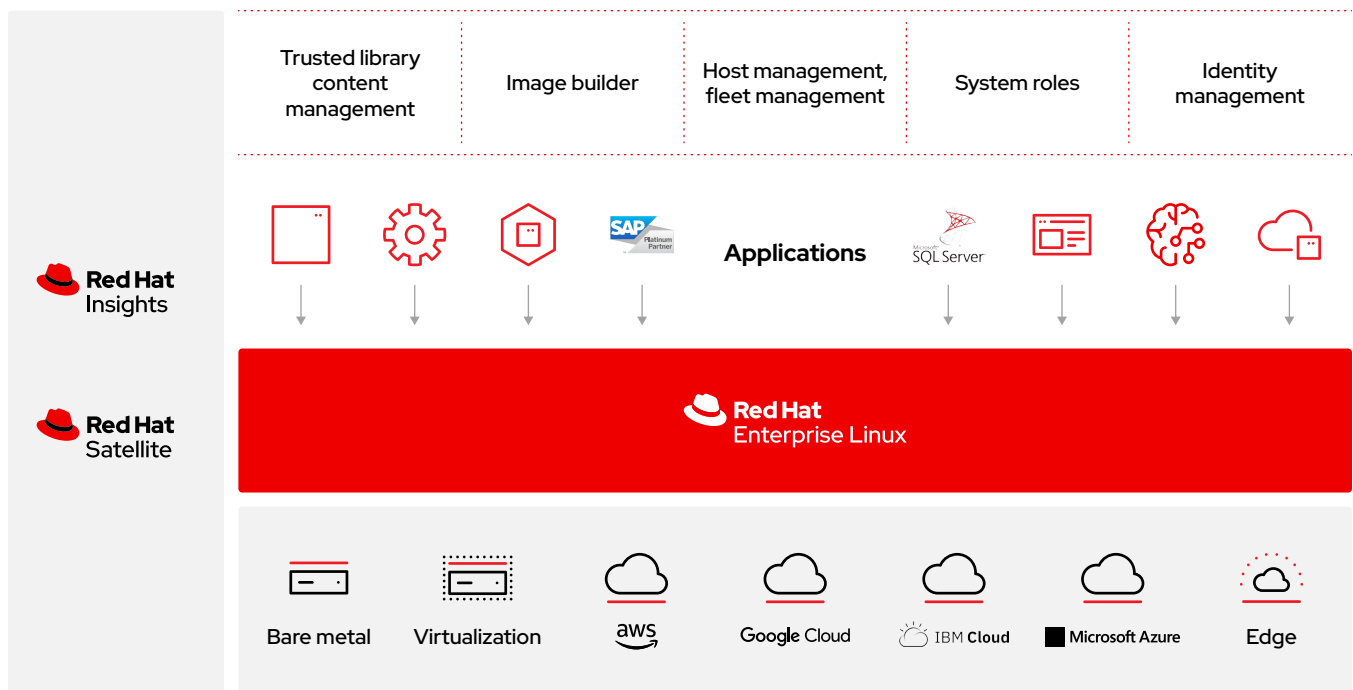
Check out these key features of Red Hat Enterprise Linux to make sure your organization is getting the most from your Red Hat investment.

1. **Security focus and compliance**
2. **Proactive and reactive support**
3. **Management tools and services**
4. **Lifecycle options and flexibility**
5. **Partner ecosystem**
6. **Developer tools and programs**
7. **Total cost of ownership**

Modernize your IT systems with Red Hat Enterprise Linux

No matter where your IT journey leads, Red Hat Enterprise Linux provides a stable foundation for accelerating innovation.

Now that you have adopted Red Hat Enterprise Linux, you can begin building a foundation for innovation. As you move to the cloud, you can scale Red Hat Enterprise Linux to both on-site datacenter and hybrid or multicloud environments to help you prioritize security and improve productivity, flexibility, and operational efficiency.

Trusted library content management	Image builder	Host management, fleet management	System roles	Identity management

Red Hat Insights

Applications

SQL Server

Red Hat Satellite

Red Hat Enterprise Linux

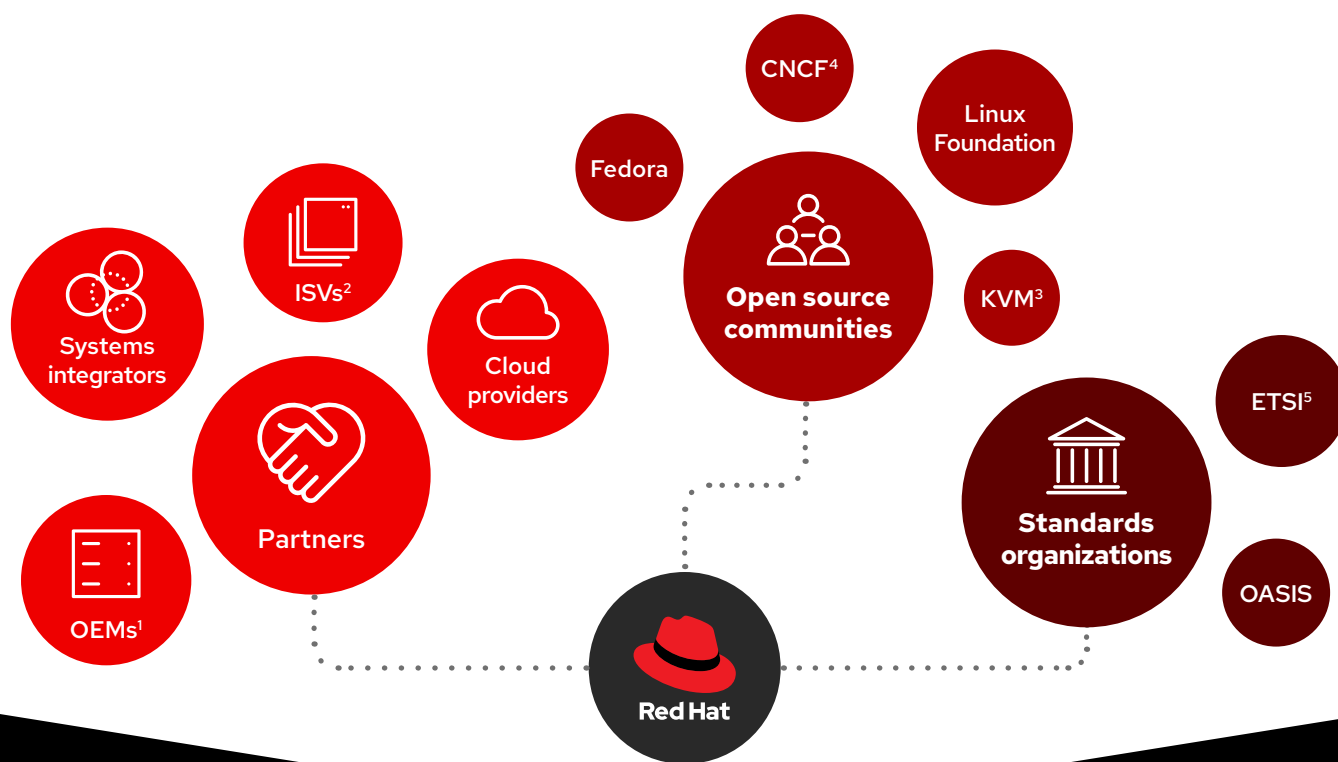| Bare metal | Virtualization | aws | Google Cloud | IBM Cloud | Microsoft Azure | Edge |

Collaborate with Red Hat and our ecosystem of partners

Red Hat is the largest open source company in the world and a trusted Linux leader, with more than 30 years of experience creating enterprise open source software that aligns with customers' needs.

As a trusted advisor and contributor to key open source communities, Red Hat assesses customer needs, shapes projects accordingly, and contributes all code back to the community to ensure interoperability and broad adoption. We also build collaborative relationships with customers to make sure your requirements are incorporated into Red Hat products. By providing visibility into upcoming features and influence over development, we can help you plan ahead for new technology investments and adoption. Plus, Red Hat supports your business goals over time as your requirements and technology evolve, giving you the continuity you need to succeed.

As a Red Hat Enterprise Linux customer, you have access to not only Red Hat's expertise but to a large ecosystem of partners that offer a broad array of innovative, validated, and integrated solutions across use cases. Red Hat's open business model focuses on collaboration and partnership, bringing vendors, customers, and communities together to achieve success, tackle complexity, and solve the toughest challenges in open source IT.

Cross-industry customers

1 Original equipment manufacturers
2 Independent software vendors
3 Kernel-based Virtual Machine
4 Cloud Native Computing Foundation
5 European Telecommunications Standards Institute

Experience the full value of Red Hat Enterprise Linux

Red Hat Enterprise Linux is more than just an operating system.

It provides a platform for innovation and experiences that help advance your goals and objectives. Here are 7 key areas that you may not have considered using Red Hat Enterprise Linux for to provide value and support business outcomes.

1

Strengthen your security posture and compliance strategy

Gain confidence with straightforward, comprehensive security and compliance capabilities that work across environments.

Security is a critical priority in Red Hat's software development practices and Red Hat Enterprise Linux is built via a **trusted, tested software supply chain.**

With the power of Linux, Red Hat is transforming security approaches from reactive to proactive. No matter your industry or public sector organization, using Red Hat Enterprise Linux can provide the consistency needed to maintain a security-focused, production-ready hybrid cloud environment. Meet high security and compliance expectations with built-in features like **live kernel patching**, security profiles, and standards certification. Reduce your attack surface and protect your systems in the cloud with a modular package structure. Configure your systems for increased security from the start with best practice-based default settings. And adopt **zero trust architectures** more easily with an included **identity management tool**.

Red Hat Enterprise Linux also includes **Red Hat Lightspeed (formerly Red Hat Insights)**, a set of hosted services that helps you manage your systems to improve efficiency and consistency. Simplify security operations with risk identification, assessment, and remediation recommendations for all of your Red Hat Enterprise Linux systems. Maintain compliance with policies and requirements over time with tracking and guidance across your environments.

Finally, the **Red Hat Product Security team** monitors, identifies, and addresses risks and provides tools and data to help measure security. Safeguard your environment with automated tools, regular updates and patch releases, and accessible expertise.

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> Red Hat's consultants understood our situation precisely and made recommendations based on their deep problem-solving experience with other customers facing similar challenges.[6]
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> —
>
> **Yuki Miyamoto**
> IT Infrastructure/Business Online Infrastructure System, Information Technology Division, Square Enix Co., Ltd.

2

Get support for your IT and business objectives

Keep your business up and running with less hassle through access to both proactive and reactive expert support.

By choosing Red Hat Enterprise Linux, you've gained valuable support for your business objectives and your ongoing IT operations. No matter where you deploy Red Hat Enterprise Linux, you're backed by our **award-winning support**. With multiple levels of support available, you can meet the needs of your different teams, and your budget. For example, you can select cost-efficient self-support for development systems and premium 24x7 support for critical production systems. Our support teams work closely with our engineering and product teams, as well as our partners, to solve issues quickly and with less friction. Specialty-based routing ensures support calls and tickets go directly to the right experts.

We also take learnings from support cases and compile them into helpful documentation on the **Red Hat Customer Portal**. Access reference architectures, best practices, product documentation, videos, collaborative discussions, labs, and tools via the online portal. Above and beyond support and sharing best practices, the portal delivers information about ongoing security vulnerabilities and the critical steps it takes to mitigate their impact. As a result, you can spend less time solving support issues and refocus staff on more strategic tasks.

Finally, we offer **consulting services** to help you achieve your business outcomes in less time. Take advantage of our experience to modernize your IT, deliver cloud-native applications, or adopt automation to maximize the value of your IT investments. Or engage a **Technical Account Manager (TAM)** for a consistent single point of contact for technical advice and support.

> 66
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> Being able to get commercial support for an open source OS and gain access to the enterprise-grade features and functionality provided by Red Hat is a big advantage.[7]
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> **Study participant**
> Commercial support (financial services)

3 Save time while gaining operational control

Streamline day-to-day administration with a consistent and repeatable management experience.

Red Hat Enterprise Linux provides a consistent and repeatable management experience with automated workflows, intuitive web-based administration, integrated tools, and **image mode** (Technology Preview). Red Hat Enterprise Linux lets you use the same set of management tools and processes to administer your entire environment, saving time and effort.

7 *IDC Business Value White Paper, sponsored by Red Hat. "***The Business Value of Standardizing on Red Hat Enterprise Linux***," Document #US52594324, Sept. 2024.*

Included with Red Hat Enterprise Linux, Red Hat Lightspeed uses predictive analytics and deep domain expertise to streamline operational tasks. It gathers configuration and use data from your Red Hat products, analyzes the data based on Red Hat knowledge and expertise, and generates prioritized insights and recommendations for you to take action. With a focus on operations, security posture, and business outcomes, Red Hat Lightspeed proactively alerts administrators and stakeholders before an outage, security event, or overspending occurs. Because it works across on-site and cloud environments, you can manage everything from a single interface.

Use Red Hat Lightspeed to help:

- Create and maintain a standardized operating environment with less effort.
- Simplify software patching and updates.
- Identify and reduce security, compliance, and malware risks.
- Improve IT efficiency and stability, and optimize workload performance and costs in the cloud.

A collection of Ansible® automation content included with Red Hat Enterprise Linux, system roles let you automate many common administrative tasks. Ensure repeatable configuration across multiple systems, streamline daily system administration, and execute system management tasks consistently across your IT infrastructure. You can also deploy Red Hat Satellite and Red Hat Ansible Automation Platform to provision, patch, configure, and control your development, test, and production systems at scale.

Visit the Red Hat Hybrid Cloud Console to start exploring all the management tools available with Red Hat Enterprise Linux.

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[Red Hat Lightspeed, formerly] Insights has made it much easier for me to prioritize tasks. It's now a lot easier to see if there is an issue, how much of our estate is affected, and how serious the issue is.[8]

—

Chris Wilkinson
Senior Systems Engineer,
The Meteorological Office

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Save time and effort with Red Hat Lightspeed

Red Hat Lightspeed delivers business value across your organization:

20%
more efficient IT system management teams[9]

76%
less unplanned downtime[9]

24%
more efficient security teams[9]

33%
faster time to market for new applications and features[9]

18%
higher developer productivity[9]

US$103,500
average annual benefits per 100 cloud servers or virtual machines[9]

8 Red Hat case study. "The Met Office optimizes server outlook with Red Hat Lightspeed," September 2023.

9 IDC Business Value Snapshot, sponsored by Red Hat. "The Business Value of Red Hat Lightspeed." Document #US51795124. February 2024.

4 Plan IT lifecycles on your terms

Support your business and IT schedules with flexible, stable, and security-focused lifecycle options.

With Red Hat Enterprise Linux, you can choose from multiple supported versions, upgrade on your schedule, and adopt new features as you need them, allowing you to confidently plan for the future. Red Hat maintains a consistent kernel version for each major release and its associated minor releases, ensuring application and hardware stability for the entire release life span. Plan your IT lifecycles on your schedule with 10 years of updates and support for major releases, 2-4 years of updates and support for minor releases, and documented interfaces between releases.

Red Hat also provides detailed guidance and simple-to-use tools to help you upgrade your operating system. Leapp is a supported tool used to perform in-place system upgrades between major versions of Red Hat Enterprise Linux. Upgrade with confidence and benefit from the latest features of Red Hat Enterprise Linux without having to reinstall your systems. A pre-upgrade analysis provides application compatibility and remediation guidance. Once you are ready, Leapp can perform the upgrade in minutes while maintaining your customizations, configurations, and preferences.

Finally, accelerate your upgrade projects with Red Hat Consulting services or ecosystem partners. Our experts work with your organization to develop the practices, tools, and culture needed to speed the Red Hat Enterprise Linux upgrade process and reduce risk for critical applications and workloads.

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> Migrating and updating our legacy systems used to be a source of stress. Now, with Red Hat technology supporting our SAP solutions, we have peace of mind that we can support future migration and enhancement projects more easily and without any service interruption.[10]
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> —
> **Enrique Torlaschi**
> CIO, Exolgan

5

Build an environment that fits your organization's needs

Run the applications your business relies on with a consistent, high-performance, and manageable foundation.

Red Hat partners with industry-leading hardware, software, and cloud vendors to give you more choice, innovation, and stability. We curate the most useful, reliable, and future-ready partner applications, products, and services to create a robust ecosystem. Each partner offering is tested and validated to perform on Red Hat platforms across multiple use cases. Detailed certification policies increase compatibility and stable operation. We also work closely with ecosystem partners to certify their latest releases on an ongoing basis. As a result, you can choose your preferred cloud vendors, applications, platforms, and integrated technologies and services with confidence that they will work together reliably. For example, **Microsoft SQL Server**, **SAP databases and applications**, **Intel** and **Arm** processors, and **Dell Technologies** and **HPE servers** are all certified for use with Red Hat Enterprise Linux. And our extensive work with hardware partners makes Red Hat Enterprise Linux a natural choice for modern, high-performance workloads like AI data preparation, model training and inferencing.

Run your applications with confidence on major public clouds, as well as more than 1,400 regional clouds. You can deploy Red Hat Enterprise Linux directly from the **Amazon Web Services (AWS)**, **Microsoft Azure**, and **Google Cloud** marketplaces, or use your subscription bought from Red Hat in **your cloud of choice**. Plus, you can take advantage of cloud providers' committed spend and advance purchase programs for discounted pricing and flexible payment options for Red Hat Enterprise Linux instances.

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> [Red Hat has] numerous partnerships and dedicated efforts in low-latency technologies, which are particularly beneficial for trading firms.[11]
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> **Senior Linux Systems Engineer**
> Healthcare company with 10,001+ employees

11 *PeerSpot review.* "**Simplifies risk reduction and aids in maintaining compliance with industry standards and regulations**," *June 2023.*

6

Equip your developers for ongoing success

Streamline application development and reduce launch issues with a common platform for development, test, and production.

Red Hat Enterprise Linux comes with access to a curated set of stable, high-quality toolchains, libraries, container tools, and runtimes that streamline the path from development to production, no matter where developers work. Developers can take advantage of the latest stable versions of the languages, tools, and databases they need—without compromising support for production applications and teams that require older versions—via Application Streams. Each application stream is maintained and supported for a defined lifecycle via a security-focused software supply chain approach, so users can use these components with confidence and plan upgrades accordingly.

We also offer developer-specific resources, programs, and subscriptions to help your organization develop on Red Hat Enterprise Linux more easily and cost-effectively. The Red Hat Developer program provides no-cost individual subscriptions, tools, technologies, and a community of builders to help solve problems, connect with colleagues, stay current, and lead your projects forward. Red Hat Developer Subscription for Teams—available for specific development use cases at no cost to qualifying Red Hat customer organizations—includes no-cost subscriptions and access to Red Hat Developer e-books, cheatsheets, and other useful content. As a result, you can cost-effectively build and test applications on the same innovative and reliable platform used for your production workloads.

Get started with generative AI

Red Hat Enterprise Linux AI is an additional subscription for Red Hat Enterprise Linux, which you can use as a foundation model platform to develop, test, and run generative AI (gen AI) models. It includes:

- ▶ Open source-licensed IBM Granite large language models (LLMs).

- ▶ InstructLab model alignment tools.

- ▶ A Red Hat Enterprise Linux image with PyTorch and open source hardware accelerators.

- ▶ Enterprise-grade technical support and model intellectual property indemnification provided by Red Hat.

Learn how Red Hat can help your organization adopt generative AI.

7 Reduce your total cost of ownership

Maximize your return on investment with support, tools, certifications, and resources that streamline operations.

Red Hat Enterprise Linux lets you apply expert support, management tools, security and partner certifications, and customer resources across your systems. Maximize your Red Hat Enterprise Linux experience to achieve:

540%

3-year return on investment (ROI).[12]

52%

faster security updates.[12]

24%

lower 3-year cost of operations for on-site environments.[12]

72%

less unplanned downtime.[12]

32%

more efficient IT infrastructure teams.[12]

US$17.31M

higher revenue per organization per year.[12]

We also work with our cloud partners to help you make the most of your cloud budget. Obtain subscriptions from Red Hat and use them in your cloud of choice via Red Hat Cloud Access. Or use your cloud provider committed spend and discount programs. For example, you can apply your AWS Enterprise Discount Program (EDP), Microsoft Azure Consumption Commitment (MACC), Azure Hybrid Benefit, and Google Cloud committed use discounts (CUDs) to the cost of Red Hat Enterprise Linux in the cloud. Finally, you can take advantage of the Red Hat Hybrid Committed Spend program for discounted pricing and flexible payment options across your datacenter and cloud providers.

Maximize the value of your operating system

Use Red Hat Enterprise Linux as a stable foundation for innovation.

Your business relies on your IT infrastructure. Red Hat Enterprise Linux gives you the freedom and flexibility to innovate rapidly across hybrid environments without leaving your existing workloads and applications behind. No matter where your IT is headed, Red Hat Enterprise Linux will be there to support your organization and business goals on your journey.

Head to the Red Hat Customer Portal to start exploring all the knowledge, guidance, and support available through your Red Hat Enterprise Linux subscription:

Discover how your organization can make the most of Red Hat Enterprise Linux.

Customer support

Documentation

Support cases

Subscription management

Red Hat Ecosystem Catalog

Find a partner

Start optimizing your Red Hat Enterprise Linux experience

Find out how your organization can use the Red Hat Hybrid Cloud Console to access analytics, manage your Red Hat Enterprise Linux infrastructure and subscription, and more.

Learn more

Red Hat