

# Red Hat Enterprise Linux: An ideal operating system for the cloud






## Choose your cloud provider

Red Hat works with all major cloud providers, plus numerous other global and regional providers, to ensure Red Hat Enterprise Linux runs well in their clouds.

Learn more about our strategic cloud partnerships:

- ▶ [Amazon Web Services \(AWS\)](#)
- ▶ [Microsoft Azure](#)
- ▶ [Google Cloud](#)
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## Successful cloud journeys require consistency

Cloud adoption has become the norm, and 89% of organizations now have a multicloud strategy in place.<sup>1</sup> Even so, adding one or more cloud environments to your IT landscape creates complexity. Standardizing on a consistent operating system across your datacenter and cloud environments can help you overcome this complexity and simplify your cloud journey.

Red Hat® Enterprise Linux® includes many optimizations to ensure reliable, security-focused performance in the cloud. It provides a consistent operating foundation for hybrid and multicloud environments, so you can run applications where it makes the most sense.

## Take advantage of enterprise stability and cloud optimizations on a unified foundation

[Red Hat Enterprise Linux](#) continues to deliver the enterprise dependability and features you know while adding new capabilities and optimizations that help you make the most of your cloud investments. These optimizations are made in close collaboration with our cloud, software, and hardware partners to take advantage of unique cloud features while ensuring reliable operation for all certified components. A consistent experience across footprints lets you run applications and manage your environment in the same manner, no matter where you deploy Red Hat Enterprise Linux. Standardizing on Red Hat Enterprise Linux across your organization can simplify your journey to the cloud and support business innovation no matter where it occurs.

## Get started in the cloud more rapidly

Applications developed for Red Hat Enterprise Linux run the same regardless of the underlying infrastructure, so you can rapidly move your existing workloads to the cloud without change. Your IT and development teams can continue to use their current skills, processes, and tools without extensive retraining or modifications. Red Hat also offers multiple purchasing options to fit your organization's procurement processes. You can use your existing subscriptions, buy subscriptions and instances from Red Hat or your cloud provider, or even apply your cloud provider committed spend programs and discounts. As a result, you can get started in the cloud faster, with less risk and less cost.

## Manage your entire hybrid environment more efficiently

Standardizing on Red Hat Enterprise Linux lets you use the same set of management tools—like [Red Hat Insights](#), [Red Hat Smart Management](#), and [Red Hat Ansible® Automation Platform](#)—to administer and automate all of your environments, saving time and effort. A managed service that helps you manage

<sup>1</sup> Flexera. "[Flexera 2022 State of the Cloud Report](#)," March 2022.



## Purchasing options that fit your organization

Red Hat offers multiple purchasing options to fit your organization's procurement processes:

- ▶ Purchase subscriptions directly from Red Hat and use them on-site or in the cloud.
- ▶ Obtain Red Hat Enterprise Linux instances directly from your cloud provider's console.
- ▶ Use your cloud provider committed spend funds and discounts for Red Hat Enterprise Linux instances.
- ▶ Use Red Hat Hybrid Committed Spend program funds and discounts for subscriptions and instances across cloud providers.

[Read the overview](#) to learn more about these options.

and optimize your hybrid cloud environment, Red Hat Insights is included in your Red Hat subscription. Red Hat Insights uses predictive analytics and deep domain expertise to streamline operational tasks like identifying security and performance risks, tracking licenses, and managing costs. The tool works across on-site and cloud environments, so you can manage everything from a single interface.

## Maintain security and compliance in the cloud

By increasing consistency across your entire environment, Red Hat Enterprise Linux makes it simpler to maintain security and compliance. Built-in security features, compliance with industry and government regulations, and a modular package structure reduce your attack surface and protect your systems in the cloud. Red Hat Insights lets you scan your systems for Common Vulnerabilities and Exposures (CVEs), as well as [issues identified by your cloud provider](#), collect scan information, and access remediation guidance using a single interface. Finally, best practice-based default settings configure your systems for increased security in the cloud from the start.

## Gain flexibility and choice across clouds

Through consistency and workload portability, Red Hat Enterprise Linux lets you choose your preferred clouds for your applications and business at all times. You can deploy and run your applications on your choice of [more than 140 certified cloud providers](#) to take advantage of different cloud services, optimize costs, or configure systems for resiliency and disaster recovery scenarios. To ease deployment across clouds, the included [image builder tool](#) lets you create customized Red Hat Enterprise Linux images, save them as templates, and push them to multiple cloud provider inventories.

You can even move workloads back to your own datacenter if needed—rapidly and without change. Many cloud providers offer tools or platforms for moving applications and data to the cloud, but do not help if you need to migrate resources back to your own datacenter. Red Hat Enterprise Linux gives you a foundation for portability, allowing you to place workloads and data where it makes the most sense at all times.




## Learn more

By combining proven stability with cloud optimizations, Red Hat Enterprise Linux can help you move to the cloud more efficiently and effectively. Learn more at [red.ht/rhel-for-hybrid-cloud](https://red.ht/rhel-for-hybrid-cloud).

## 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 develop cloud-native applications, integrate existing and new IT applications, and automate and manage complex environments. [A trusted adviser to the Fortune 500](#), Red Hat provides [award-winning](#) support, training, and consulting services that bring the benefits of open innovation to any industry. Red Hat is a connective hub in a global network of enterprises, partners, and communities, helping organizations grow, transform, and prepare for the digital future.

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