

# Red Hat Enterprise Linux for Workstations

The Linux workstation for professionals

## Key benefits:

- High performance for graphically intensive workloads
- Hardware and software support through partnerships with manufacturers, as well as support for common workstation accessories
- Long life cycle support that includes assistance with installation, usage, problem diagnostics, and bug fixes
- Deployment flexibility allows for use on bare-metal deployments as well as in virtualized and remotely accessed deployments
- Development tools support for provisioning and administration, including Red Hat Smart Management

Organizations need high-end workstations that can be easily supported for their developers and power users, such as artists, physicians, scientists, or engineers, so they can focus on their tasks and not workstation administration.

Red Hat® Enterprise Linux® supports the entire enterprise portfolio, from edge device, through datacenter, to the workstation where systems are monitored and controlled and data is analyzed. Designed for advanced Linux users working on more powerful hardware, Red Hat Enterprise Linux for Workstations is optimized for high-performance graphics, animation, and scientific activities. It includes all the capabilities and applications that workstation users need, plus development tools for provisioning and administration.

## High performance

Organizations need professional-grade workstation platforms to run their animation, visual effects, research, design, engineering, and scientific workloads. Red Hat Enterprise Linux for Workstations is an optimized operating system for high-performance, graphically intensive workloads like animation, computer-aided design/computer-aided engineering (CAD/CAE), and scientific research. It also has options for hosting one or four virtual machines (VMs).

Red Hat Enterprise Linux for Workstations is ideal for embedded use cases where graphics is the focus, such as medical imaging, air traffic control, networks or power operations, and flight simulators. It can also be used as a front-end modeling system/interface for graphics processing unit (GPU)-intensive workloads that can be deployed on high-performance computing (HPC) clusters or supercomputers.

To reduce risk and safeguard data, Red Hat Enterprise Linux for Workstations includes Cisco IPsec client compatibility to help secure private communications over the internet, smart card support, encrypted disk (Linux Unified Key Setup), and SELinux to securely lock down the desktop application environment.

Red Hat Enterprise Linux for Workstations on AWS is also available on AWS Marketplace ([Red Hat Enterprise Linux for Workstations 8.6 for GPU-based Instances - GRID driver](#)) and ([Red Hat Enterprise Linux for Workstations 8.6 for GPU-based Instances - TESLA driver](#)), delivered via NICE DCV, a high-performance remote display protocol with enhanced security components.

## Hardware and software support

Power users in many industries are required to develop high-end graphics and need support for professional-grade graphics cards. Red Hat partners with hardware manufacturers to ensure compatibility with and support for the hardware these professionals demand. Red Hat Enterprise Linux for Workstations also supports common workstation accessories like drawing tablets, high-definition monitors, and security devices. Professional-grade animation or design software, like Maya and AutoCAD or custom packages for visualization are also supported.



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## Long life cycle support

Red Hat Enterprise Linux for Workstations 10-year life cycle means you can realize the maximum benefit from the hardware you invest in while getting patches, critical updates, and support from the world's leading commercial Linux vendor. Support includes assistance with installation, usage, problem diagnostics, and bug fixes, as well as advice on architectures, design, development, and prototyping of applications.

## Deployment flexibility

Red Hat Enterprise Linux for Workstations is available for use on bare-metal deployments as well as in virtualized and remotely accessed deployments. It can be used in virtualized deployments in private cloud environments that use remote access and virtual desktop infrastructure (VDI) technology to allow end users to use VM-based workstations.

## Support for development tools for provisioning and administration

To make it easier to use and maintain, Red Hat Enterprise Linux for Workstations offers development tools for provisioning and administration, including Red Hat Smart Management and a software development stack.

Red Hat Enterprise Linux for Workstations includes Red Hat Insights, a key management service that is part of the Red Hat Enterprise Linux subscription. It proactively analyzes the environment, identifies potential security, performance, availability, and stability risks, and offers remediation guidance. System administrators simply start an agent and then gain the benefit of daily reports about potential issues in these areas. Red Hat Insights provides system administrators with the information they need to help minimize downtime and other issues in high-end workstations.

## Summary

Red Hat Enterprise Linux for Workstations is optimized for high-performance, graphically intensive workloads like animation, design, engineering, and scientific research. It supports the capabilities and applications that professional workstation users need, plus tools for centralized provisioning and administration, allowing users to focus on tasks that add value to the organization.

## 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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