

Automate Red Hat Enterprise Linux deployments in the cloud






Gain consistency through automation

Ansible Automation Platform can automate and orchestrate all aspects of cloud environments to boost consistency:

- ▶ Provision and retire resources on demand.
- ▶ Ensure consistent configuration and deployment.
- ▶ Manage critical workload life cycles.
- ▶ Apply and enforce security policies at scale.

[Learn about how](#) Ansible Automation Platform can help you streamline your cloud environment.

 facebook.com/redhatinc
 [@RedHat](https://twitter.com/RedHat)
 linkedin.com/company/red-hat

Cloud complexity is a growing challenge

Hybrid and multicloud environments continue to gain popularity as they offer IT organizations the best of two worlds—dedicated, highly regulated on-site infrastructure along with nearly limitless cloud resources. However, migrating platforms and applications, and managing infrastructure and workloads distributed across multiple environments can be and complicated.

As a critical component of the IT stack, operating system migration, deployment, configuration, and management are key to successful hybrid and multicloud operations. Together, [Red Hat® Enterprise Linux®](#) and [Red Hat Ansible® Automation Platform](#) can help you efficiently build and manage a consistent, reliable, security-focused foundation for your applications and workloads.

Migrate your Red Hat Enterprise Linux systems to the cloud

Performed manually, operating system and workload migrations can be time- and resource-intensive, taking months to complete. Ansible Automation Platform helps you migrate systems and applications to cloud environments rapidly, efficiently, and reliably. Move your Red Hat Enterprise Linux workloads to where you need them—from on-site to a public cloud, between public clouds, or from traditional compute architectures to cloud-native platforms. Ansible Automation Platform works with all types of infrastructure, including traditional, virtualized, and containerized. As a result, you can use the migration strategy that works best for your organization—classic back up and restore, scan and recreate, or even Infrastructure-as-Code (IaC). And with the workflow visualizer, you can orchestrate your entire migration from 1 tool.

Build automation into your hybrid and multicloud environments

Ansible Automation Platform lets you orchestrate, operationalize, and govern complete hybrid cloud workflows, from provisioning and deployment, to Day 2 operations and management, to policy application and enforcement. Here are some examples of the many tasks that you can automate across Red Hat Enterprise Linux deployments in hybrid and multicloud environments.

Orchestrate resources in the cloud

- ▶ Provision and retire systems using IaC tools integrated into your existing automation workflows.
- ▶ Configure and deploy Red Hat Enterprise Linux instances easily using [system roles](#)—a curated, supported library of common services and tasks based on Ansible Automation Platform.
- ▶ Manage and scale workloads across any combination of on-site, private, and public cloud infrastructure using a centralized [automation mesh](#).



Take advantage of system roles

Red Hat Enterprise Linux system roles can help you automate many common system deployment and management tasks:

- ▶ Ensure repeatable configuration across multiple systems.
- ▶ Streamline daily system administration.
- ▶ Execute system management tasks consistently across cloud environments.

- ▶ Manage the entire life cycle of popular workloads—including ServiceNow, SAP S/4HANA®, Microsoft Windows, and Microsoft SQL Server—using [Red Hat Ansible Certified Content Collections](#) and [Ansible validated content](#).
- ▶ Upgrade Red Hat Enterprise Linux systems across your environment to the latest version.

Operationalize management processes

- ▶ Analyze and fix potential system issues identified by [Red Hat Insights](#)—before they impact users and without manual intervention—using [Event-Driven Ansible](#).
- ▶ Monitor and remediate configuration drift across your Red Hat Enterprise Linux instances.
- ▶ Manage your Red Hat Enterprise Linux server inventory along with other cloud resources.

Govern cloud environments

- ▶ Apply Red Hat Enterprise Linux security policies automatically using system roles.
- ▶ Verify that Red Hat Enterprise Linux security settings are consistent across your cloud environment and automatically remediate any detected issues.
- ▶ Set up Red Hat Enterprise Linux [identity and access management](#) across your infrastructure.
- ▶ Share and reuse trusted automation content for managing Red Hat Enterprise Linux across your organization using [Ansible automation hub](#).
- ▶ Manage and control access to cloud resources through Red Hat Enterprise Linux user groups.
- ▶ Redistribute traffic among cloud-based instances to balance workloads across regions.

Learn more

By automating many common Red Hat Enterprise Linux management tasks with Ansible Automation Platform, you can optimize your processes, reduce the risk of configuration errors, and avoid configuration drift across your entire environment. [Learn about how](#) Ansible Automation Platform integrates with Red Hat Enterprise Linux to bring IT automation to all aspects of your cloud operations.



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.

f facebook.com/redhatinc
@RedHat
in linkedin.com/company/red-hat

redhat.com
451273_0723_KVM

North America

1 888 REDHAT1
www.redhat.com

Europe, Middle East, and Africa

00800 7334 2835
europe@redhat.com

Asia Pacific

+65 6490 4200
apac@redhat.com

Latin America

+54 11 4329 7300
info-latam@redhat.com