



Speed and simplify SAP deployments

Automate operations with Red Hat
Enterprise Linux system roles



**Adopt a reliable,
trusted foundation
for SAP workloads**

The result of a long-standing collaborative relationship between Red Hat and SAP, [Red Hat Enterprise Linux for SAP Solutions](#) combines the reliability, scalability, and performance of [Red Hat Enterprise Linux](#) with features and capabilities that meet specific SAP workload requirements.

Learn more about [Red Hat solutions for SAP](#).

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Your SAP environment supports critical business operations

Your organization depends on your SAP landscape to streamline business processes, improve efficiency, increase competitiveness, and promote growth and innovation. By configuring and tuning your environment based on SAP recommendations, you can optimize application performance and support efficient, error-free operations for fast, reliable access to critical data.

Even so, SAP deployments are complicated and require detailed configuration. With automation technologies from Red Hat, you can speed and streamline many common IT operations—including complete installation and configuration workflows—to ensure consistency, enhance performance, and reduce potential errors across your SAP environment.

Simplify operations across your SAP landscape

Based on the [SAP LinuxLab](#) upstream project, [Red Hat® Enterprise Linux® system roles for SAP](#) are a collection of automation content that eases deployment of SAP workloads across hybrid cloud environments. These purpose-built system roles use the capabilities of [Red Hat Ansible® Automation Platform](#) to simplify and speed SAP environment setup, including SAP HANA® and SAP NetWeaver deployments within Red Hat Enterprise Linux high-availability (HA) clusters. Because they are included with your [Red Hat Enterprise Linux for SAP Solutions](#) subscription, Red Hat supports these system roles across major releases following the same [10-year life cycle](#) as Red Hat Enterprise Linux.

When you're ready to expand your automation, Ansible Automation Platform can help you streamline administration of your entire SAP landscape—from SAP HANA migrations to ongoing Day 2 operations. And with [Red Hat Ansible Certified Content](#) collections, you can access fully supported and maintained precomposed content—including modules, roles, plug-ins, and documentation—that automates many common SAP tasks.

Automate SAP installation and configuration workflows

Red Hat Enterprise Linux system roles for SAP include a set of automated installation and configuration tasks that you can run independently or as part of a comprehensive workflow. Options within the system roles let you configure and customize these tasks to meet the needs of your SAP landscape. And with built-in validation capabilities like verification of available swap space, system roles automatically stop if an error occurs, ensuring the reliability of the installation and configuration processes.



Automate complete workflows rapidly and efficiently

Red Hat Ansible Content Collections include tested, trusted content that speeds and simplifies automation projects across hybrid cloud environments. With a variety of reusable modules, playbooks, plug-ins, roles, and related documentation, you can add automation to your systems and solutions efficiently and in less time.

These SAP-specific system roles are included with Red Hat Enterprise Linux for SAP Solutions:

- ▶ **sap_general_preconfigure**. Perform installation and configuration tasks common to both SAP HANA and SAP NetWeaver, including base package installation and repository setup.
- ▶ **sap_netweaver_preconfigure**. Perform additional installation and configuration tasks for SAP NetWeaver.
- ▶ **sap_hana_preconfigure**. Perform additional installation and configuration tasks for SAP HANA.
- ▶ **sap_hana_install**. Perform a SAP HANA scale-up or scale-out installation on Red Hat Enterprise Linux systems using the noninteractive **hdb1cm** installation method with a configuration file. You can also add additional nodes to an existing SAP HANA installation.
- ▶ **sap_ha_install_hana_hsr**. Set up SAP HANA System Replication on 2 nodes to ensure high availability of SAP HANA systems.
- ▶ **sap_ha_pacemaker_cluster**. Install Pacemaker and configure the SAP cluster and resources.
- ▶ **sap_swpm**. Install software—including SAP S/4HANA®, SAP BW/4HANA, SAP Solution Manager, SAP Netweaver Business Suite Applications, and SAP Web Dispatcher—using SAP Software Provisioning Manager (SWPM).

Learn more

Red Hat Enterprise Linux system roles for SAP help you automate, speed, and simplify deployment of your entire SAP landscape.

- ▶ Consult the Red Hat Enterprise Linux system roles for SAP [documentation](#) to get started.
- ▶ Join our courses to learn how you can automate SAP operations:
 - ▶ RH045: [Red Hat Ansible Automation for SAP](#)
 - ▶ RH445: [Red Hat High Availability Clustering for SAP Solutions](#)



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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