Accelerate SAP operations with Red Hat Ansible Automation Platform

Red Hat | **SAP** Platinum Partner

Brief

Accelerate SAP S/4HANA migration
Improve migration speed and reliability with Red Hat Ansible Automation Platform

Migrate your SAP environments more easily

Many organizations rely on SAP databases and applications to manage their business and must migrate to SAP HANA and S/4HANA by 2027 to continue receiving support from SAP. Key migration steps include:

- Creating and configuring the target infrastructure.
- Deploying new SAP software on the target infrastructure.
- Replicating data from the existing to the target environment.
- Testing the new setup.
- Moving virtual IP addresses to the new copy of the data.
- Deprecating the old environment.

You can automate most of these steps to increase the speed and accuracy of your migration.

SAP migration is imperative

Your SAP® landscape is the core of critical business operations like enterprise resource planning, supply-chain management, and customer experience administration. SAP HANA® and SAP S/4HANA® provide increased speed, scale, and innovation, as well as cloud capabilities, for your organization. To take advantage of new features and continue receiving support from SAP, you must migrate to SAP HANA and SAP S/4HANA by 2027.

Even so, migration can be challenging. Migrating to SAP S/4HANA is a long and complex process. You must create and correctly configure your target infrastructure, replicate data, test and validate your new setup, and redirect workloads to the new environment. Performing these steps manually can be time consuming and error-prone, leading to schedule delays, inconsistencies, inaccuracies, and potential downtime.

Automation can help you migrate to SAP S/4HANA more rapidly, efficiently, and reliably. With the right platform, you can automate most of the steps involved in SAP environment migrations. In fact, 39% of SAPinsider Community members plan to use automation for SAP S/4HANA migration.[1]

Red Hat® Ansible® Automation Platform can help you migrate to SAP S/4HANA today and allows you to adopt and expand automation throughout your IT and SAP environment at your own pace.

Simplify migration with Red Hat Ansible Automation Platform

A foundation for building and operating automation services at scale, Red Hat Ansible Automation Platform delivers all the tools and capabilities you need to streamline your SAP S/4HANA migration and automate your IT and SAP environments. It combines a simple, easy-to-read automation language with a trusted, composable execution environment and security-focused sharing and collaboration capabilities. Multiple domain teams can use Red Hat Ansible Automation Platform, allowing you to create, scale, and deploy your automation across your entire organization.

Red Hat Ansible Automation Platform is a single framework that helps you automate all aspects of your SAP and IT infrastructure, from servers and network devices to operating systems, applications, and security. Through modules, it connects your existing tools and processes with a common language. Red Hat Ansible Automation Platform also provides SAP-specific content that you can build into automation playbooks and use in migration scenarios. The agentless architecture lets you easily introduce automation into your existing infrastructure. And Red Hat Ansible Automation Platform includes tools to help you optimize your automation content and use.

Red Hat Ansible Automation Platform delivers many benefits for SAP S/4HANA migrations.

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1 SAPinsider: "Integrating Process Automation and SAP S/4HANA," June 2020.

Your business relies on your SAP environment

Your organization depends on your SAP® landscape for critical business operations. Manually managing this environment in a digital, cloud-based world can be time-consuming and error-prone, leading to poor performance, potential downtime, and increased security risks.

IT automation can help you streamline repetitive SAP environment management tasks to increase speed, consistency, and reliability. Through automation, you can free time and resources for innovation and create more value for your organization. In fact, 43%

of SAPinsider Community members plan to use automation to increase employees' capacity to focus on high-value activities.[1]

Red Hat® Ansible® Automation Platform lets you automate SAP operations so your staff can focus on development and innovation to deliver a competitive advantage.

Simplify SAP operations with Red Hat Ansible Automation Platform

58% of SAPinsider Community members plan to integrate automation capabilities across both SAP and non-SAP applications.[1] A foundation for building and operating automation services at scale, Red Hat Ansible Automation Platform delivers all the tools and capabilities you need to streamline operation of your SAP S/4HANA® environment, as well as automate your IT infrastructure and security operations—all at your own pace. It combines a simple, easy-to-read automation language with a trusted, composable execution environment and security-focused sharing and collaboration capabilities. Multiple domain teams can use Red Hat Ansible Automation Platform, allowing you to create, scale, and deploy your automation across your entire organization.

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Red Hat Ansible Automation Platform delivers many benefits for SAP and IT operations.

Speed infrastructure operations

Automating operations with Red Hat Ansible Automation Platform streamlines both SAP and non-SAP IT management tasks. As a result, organizations that use Red Hat Ansible Automation Platform experience 44% faster change management, 41% faster patching, and 40% faster provisioning.[2]

Automate individual tasks—as well as entire workflows—to reduce time spent on manual work, deliver resources faster, and rapidly adapt to market and vendor changes. Create predictable and repeatable processes for managing configurations across SAP and non-SAP systems to improve consistency.

Accelerate application development

Red Hat Ansible Automation Platform provides the tools needed to adopt modern development approaches, accelerating time to market for new applications and features. Accordingly, organizations that use Red Hat Ansible Automation Platform develop 75% more new features and 135% more applications per year.[2]

Build automated, DevOps-based development and deployment pipelines to speed integration, proofs of concept, testing, and hand-offs between teams. Provide self-service capabilities that automate provisioning of preapproved environments and resources to reduce wait times for developers.

Boost productivity and efficiency

SAP and IT teams can operate more efficiently and accomplish more each day with Red Hat Ansible Automation Platform. In fact, organizations that use Red Hat Ansible Automation Platform experience 68% more productive IT infrastructure management teams, 41% more efficient application environment management teams, and 31% more productive network management teams.[2]

Automate common infrastructure, application, and network management tasks—like provisioning, patching, and configuration—to free staff to focus on strategic initiatives and high-value tasks.

Increase reliability and availability

Red Hat Ansible Automation Platform can help you increase the reliability and availability of both your SAP and non-SAP services. Correspondingly, organizations that use Red Hat Ansible Automation Platform reduce unplanned downtime by 53% and speed incident management by 8%.[2]

Create automation content to consistently build and deploy SAP-certified systems when expanding your environment or replacing nodes. Speed recovery from incidents with automated failover and backup processes.

Improve security and compliance

Red Hat Ansible Automation Platform can help you improve security and compliance across your entire organization. Consequently, organizations that use Red Hat Ansible Automation Platform speed IT security updates by 39% and network and application security management by 20%.[2]

Automate patching processes to update systems and applications faster and more easily. Apply and enforce policies across your entire SAP and non-SAP environment—without manual intervention. Monitor for vulnerabilities and respond faster to security threats using automation.

Learn more about automating your SAP operations at redhat.com/sap.