

# Synchronize your SAP landscapes with automation

From Devoteam and Red Hat Ansible Automation Platform

*“The provisioning of infrastructure and cloud components in preparation for SAP S/4HANA migration can be successfully automated using Red Hat Ansible and its Collections, Roles, and Playbooks. As a result, both the speed and quality of provisioning can be massively improved.”*

**Carl-Rainer Weller**  
Lead Consultant  
Devoteam

**Devoteam helps customers with complex SAP® landscapes reduce manual tasks to achieve fast, consistent, and secure provisioning plus simplified day-2 operations by automating the synchronization of SAP installations.**

## Increase the efficiency of SAP provisioning and operations

Enterprises with complex SAP landscapes often face high operating costs and challenges migrating to S/4 HANA® due to a lack of standard installations and the use of different technologies across organizational silos. As a result, Operations teams have to undertake time-consuming repetitive tasks.

By combining the capabilities of Red Hat® Ansible® Automation Platform with Devoteam’s long-term SAP experience, customers can automate the synchronization of their SAP installations, whether deployed on-prem or in a public, private, or hybrid cloud to achieve:

- ▶ Harmonization of SAP tools using a central and automated installation function.
- ▶ Consistent versioning, for example of the SAP host agents across the whole SAP landscape or the kernel patches on each SAP system line.
- ▶ Fully automated installation of SAP applications such as S/4HANA, reducing the efforts of the SAP BASIS team and TCO.
- ▶ Setup Monitoring of SAP Servers, reducing the coordination and activity of and between the affected IT Groups (SAP BASIS, Monitoring Team).

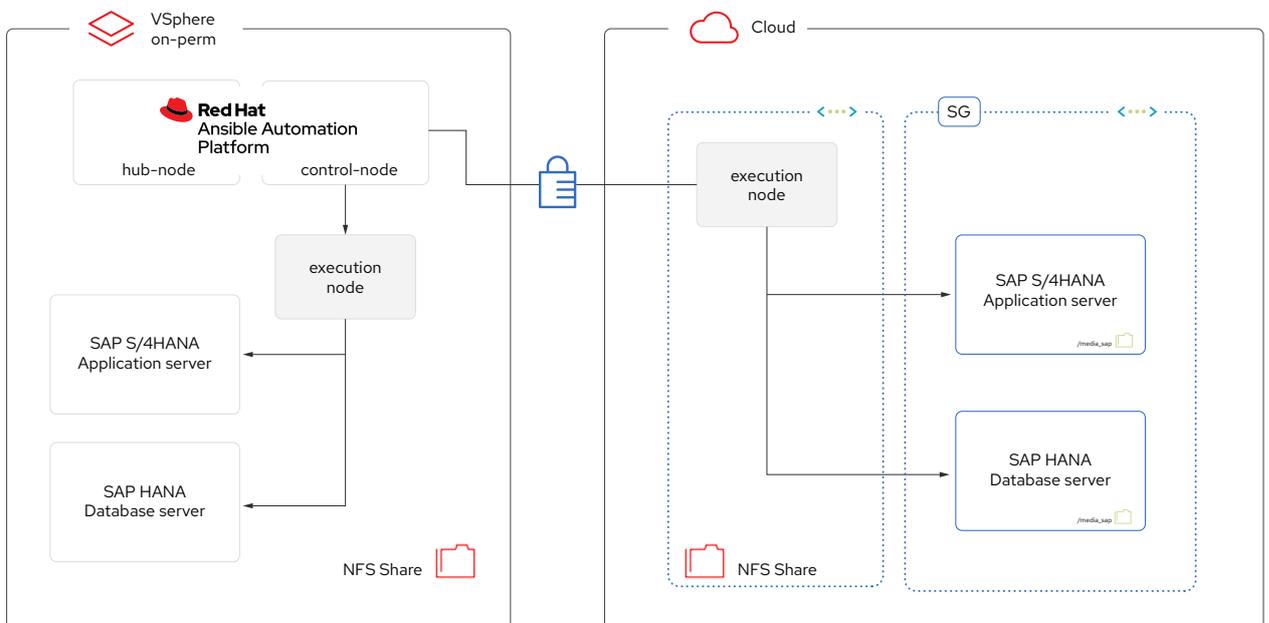
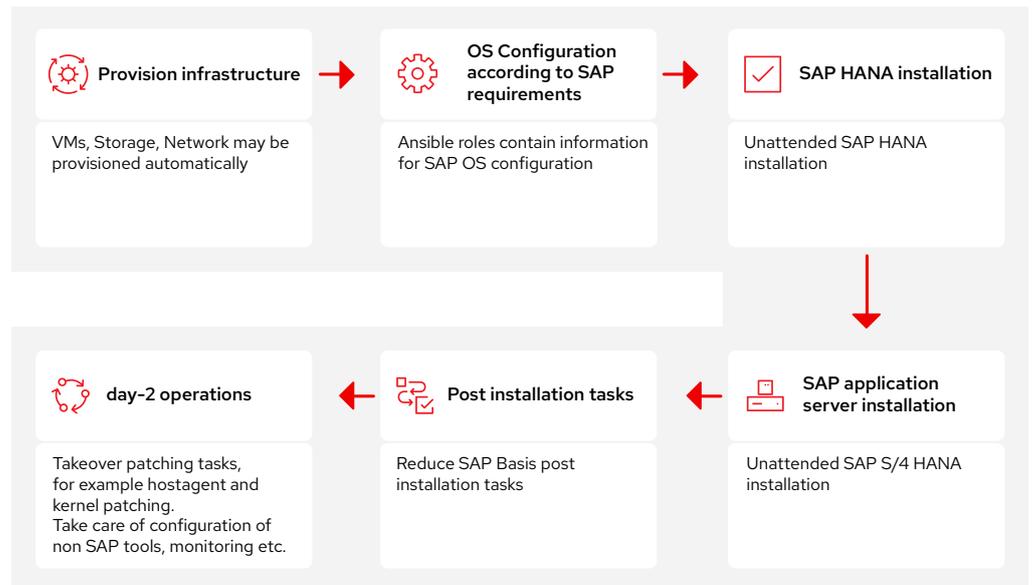
## SAP processes reduced from days to hours with cloud agnostic automation

To help customers choose and modify the appropriate Ansible content from the [SAP LinuxLab](#) available in the Ansible Automation Hub, Devoteam sets up a SAP sandbox with Red Hat Ansible Automation platform, to explore the full potential of SAP automation and how it can meet the specific needs of their business. A typical hybrid sandbox environment may look like this:

Four virtual machines:

- ▶ One master node for Red Hat Ansible Automation platform.
- ▶ One node for a private hub to synchronize with Red Hat Ansible Automation Hub on premise.
- ▶ One SAP HANA VM.
- ▶ One SAP AppServer VM in a public cloud such as AWS.
- ▶ Red Hat Enterprise Linux version 8.4 or higher on all nodes.
- ▶ The SAP nodes may also use SLES as an operating system.
- ▶ SAP installation resources for both SAP nodes are available on a shared file system.

The installation of a complete SAP system is carried out through pre-configuring the operating system on the virtual machines, followed by installing the SAP HANA database and the SAP S/4HANA application. Once the installation of the SAP system is complete, day 2 operations are automated by modifying existing Ansible playbooks or implementing new ones. These operations can include patching the host agent, adjusting WebDispatcher ports by modifying the profile, patching the kernel, or the registration of the systems into the enterprise monitoring.

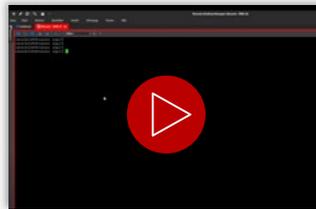


Other IT elements can also be included in this initiative, such as networks, web applications, and security, to extend the scope and impact of automation.

## Free the business to focus on innovation

Using automation to synchronize your SAP landscapes with Devoteam can help:

- ▶ Accelerate the modernization journey.
- ▶ Achieve fast, consistent, and secure SAP installation and operation.
- ▶ Simplify day 2 operations and migration to SAP S/4 HANA.
- ▶ Maximize the value of Red Hat Automation Platform.



Watch the [video](#) to learn more about Devoteam's solution and contact [info@devoteam.com](mailto:info@devoteam.com) to discuss automating your SAP landscapes.

[Watch the video →](#)[Contact us →](#)

## About Devoteam

Devoteam is a leading consulting firm focused on digital strategy, platform technologies, cybersecurity and business transformation to help organizations unlock their future. With 25 years' experience and 9,000 employees across Europe, Middle East and Africa, Devoteam promotes responsible Tech for people. [Learn more.](#)



## About Red Hat

Red Hat helps customers standardize across environments, develop cloud-native applications, and integrate, automate, secure, and manage complex environments with [award-winning](#) support, training, and consulting services.

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**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