

Red Hat Ansible Automation for SAP

Course Duration: 8 Hours

Course Code: Specialized Training

1. Course Overview

The **Red Hat Ansible Automation for SAP** course is designed to help SAP administrators, system engineers, and IT professionals streamline and automate the deployment, configuration, and management of **SAP workloads on Red Hat Enterprise Linux (RHEL)**.

With Ansible Automation Platform, organizations can **accelerate SAP system provisioning**, reduce manual errors, enforce consistency, and improve overall reliability. This training provides hands-on experience in creating and managing playbooks tailored for SAP landscapes, ensuring smoother operations across hybrid and multi-cloud environments.

2. What You'll Learn?

By the end of this course, participants will:

- Understand the **role of automation** in managing SAP workloads.
- Use **Red Hat Ansible Automation Platform** to provision and configure SAP systems.
- Automate **SAP S/4HANA deployment and lifecycle management**.
- Standardize and enforce compliance across SAP environments.
- Reduce manual intervention through **repeatable automation workflows**.
- Integrate Ansible with **RHEL, cloud, and SAP landscapes**.

3. Target Audience

This course is ideal for:

- **SAP administrators** managing SAP landscapes.
- **System administrators & IT operations teams** supporting SAP workloads.
- **DevOps and automation engineers** looking to apply Ansible to enterprise SAP systems.
- **Architects and consultants** designing scalable SAP infrastructure.

4. Pre-Requisites

- Familiarity with **SAP system administration**.
- Basic knowledge of **Linux system administration (RHEL preferred)**.
- Understanding of **Ansible concepts** (recommended but not mandatory).

5. Course Content

Module 1: Introduction to Ansible Automation for SAP

- Overview of Ansible Automation Platform
- Benefits of automation for SAP workloads

Module 2: Preparing the Environment

- Setting up RHEL for SAP applications
- Installing and configuring Ansible Automation Platform

Module 3: Automating SAP Deployments

- Provisioning infrastructure for SAP

- Automating SAP S/4HANA installation and configuration

Module 4: Managing SAP with Playbooks

- Writing playbooks for SAP lifecycle management
- Automating user, role, and permission management

Module 5: Security and Compliance

- Enforcing SAP security best practices with automation
- Ensuring compliance across SAP environments

Module 6: Scaling and Optimizing Operations

- Multi-host SAP landscape automation
- Monitoring and troubleshooting automation workflows

Module 7: Integration with Cloud and Hybrid Platforms

- Automating SAP in AWS, Azure, and hybrid environments
- Using automation for disaster recovery and high availability