Managing Enterprise Automation with Red Hat Ansible Automation Platform with Exam (AU468)

ID AU468   **Price** on request   **Duration** 5 days

Course Overview

Manage complex Red Hat Ansible automation workflows at scale and prevent single points of failure.

Managing Enterprise Automation with Managing Enterprise Automation with Red Hat Ansible Automation Platform (AU467) is for experienced DevOps engineers or Linux system administrators who want to centralize and control their automation execution at scale and privately share Ansible content across their organizations.

This course is based on Red Hat Ansible Automation Platform 2.5. The [/productlink is also included in the offering.

Who should attend

This course is designed for users who need to provide, manage, and maintain Ansible automation infrastructure for their organizations, including these roles:

- Ansible automation engineers and architects
- Linux system administrators supporting automation operations
- DevOps engineers

Prerequisites

- Be a Red Hat Certified Engineer (RHCE®) on Red Hat Enterprise Linux 8, or demonstrate equivalent Ansible experience
- Complete Developing Advanced Automation with Red Hat Ansible Automation Platform (AU374).
- Complete EX374 to achieve Red Hat Certified Specialist in Developing Automation with Ansible Automation Platform on Red Hat Ansible Automation Platform 2.

Course Objectives

Impact on the organization

Deploy efficient and reliable management of your Ansible automation infrastructure to streamline IT automation of systems in your enterprise, increasing your cost savings and operational efficiency.

Red Hat has created this course in a way intended to benefit our customers, but each company and infrastructure is unique, and actual results or benefits may vary.

Impact on the individual

As a result of taking this course, you will learn how to install and manage automation controller, private automation hub, and automation mesh components of Red Hat Ansible Automation Platform 2 in order to deploy and operate Ansible automation services for your organization that you can extend to a larger scale.

Course Content

- Discussion of the architecture of Red Hat Ansible Automation Platform 2.
- Installation and configuration of automation controllers and private automation hubs to centrally coordinate and scale Red Hat Ansible Automation Platform.
- Integration of Red Hat Ansible Automation Platform with centralized Git repository.
- Management of users, teams, and access permissions in Red Hat Ansible Automation Platform services.
- Creation and management of workflows that execute automation based on the success or failure of previous jobs.
- Configuration and management of automation mesh to distribute execution between automation controller and remote execution nodes.
- Troubleshooting and maintenance of Red Hat Ansible Automation Platform services.
- Discussion of recommended practices to ensure high availability and scalability of a large automation cluster.

Detailed Course Outline

Installing Red Hat Ansible Automation Platform

Explain what Red Hat Ansible Automation Platform is and explore installation strategies.

Managing user access

Create user accounts, organize users into teams, and assign roles to administer and access Ansible Automation Platform resources.

Managing inventories and machine credentials

Create inventories of machines to manage, and configure credentials necessary for automation controller's execution nodes to log in and run Ansible jobs on those systems.

Managing projects and launch Ansible jobs

Create projects and job templates in the Ansible Automation Platform unified UI, and use them to launch Ansible Playbooks that are stored in Git repositories, in order to automate tasks on managed hosts.

Configuring advanced job configuration

Configure advanced job template features to more effectively and efficiently implement jobs.

Constructing job workflows

Assemble existing job templates into a sequential, branching workflow that can launch multiple jobs, run jobs to recover from a preceding failure in the workflow, and request user approval before the workflow can be advanced past a certain point.

Managing advanced inventories

Manage inventories that are dynamically generated from external data sources by using plug-ins, or are constructed from a filtered set of hosts in existing inventories.

Automating configuration of Ansible Automation Platform

Automate the configuration and deployment of Red Hat Ansible Automation Platform services by using Ansible Content Collections, the automation controller API, and Git webhooks.

Maintaining Red Hat Ansible Automation Platform

Perform routine maintenance and administration of Red Hat Ansible Automation Platform.

Building a large scale Red Hat Ansible Automation Platform deployment

Scale up your Red Hat Ansible Automation Platform deployment by using automation mesh and dispersed execution nodes.

Comprehensive review

Demonstrate skills learned in this course by configuring private automation hub and by configuring and operating a new organization in automation controller using a provided specification, Ansible projects, and hosts to be provisioned and managed.

About Fast Lane

Fast Lane is a global, award-winning specialist in technology and business training as well as consulting services for digital transformation. As the only global partner of the three cloud hyperscalers- Microsoft, AWS and Google- and partner of 30 other leading IT vendors, Fast Lane offers qualification solutions and professional services that can be scaled as needed. More than 4,000 experienced Fast Lane professionals train and advise customers in organizations of all sizes in 90 countries worldwide in the areas of cloud, artificial intelligence, cyber security, software development, wireless and mobility, modern workplace, as well as management and leadership skills, IT and project management.

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