Managing Enterprise Automation with Red Hat Ansible Automation Platform (DO467)

Category: Networking & Security | **Vendor:** Red Hat

Duration: 40.00 hours (5 days) **32.5 CPD Hours** **Rating:** ⭐ 4.6 (5,878 reviews)

Course Information

Delivery Format: Instructor Led - Online

Course Overview

Managing Enterprise Automation with Red Hat Ansible Automation Platform (DO467) is for experienced Ansible automation engineers, DevOps practitioners, and Linux system administrators seeking to deploy, control, and support centralized automation execution on a large scale. Students will use Red Hat Ansible Automation Platform 2 to scale up Ansible automation. They will deploy automation controller to centrally manage automation workflows, automation mesh to scale up and distribute execution capacity, and private automation hub to manage Ansible Content Collections and automation execution environments for use by automation developers. Large scale automation cluster design and approaches to ensure high availability of Ansible Automation Platform will also be discussed. This course is based on Red Hat Ansible Automation Platform 2.2.

About This Course

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Who Should Attend

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

Prerequisites & Entry Requirements

General 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 (DO374). Complete EX374 to achieve Red Hat Certified Specialist in Developing Automation with Ansible Automation Platform on Red Hat Ansible Automation Platform 2.

Learning Outcomes

Upon successful completion of this course, participants will be able to:

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. Integration of Red Hat Ansible Automation Platform with centralized Git repository services such as GitLab. 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

1 - Install Red Hat Ansible Automation Platform

- Explain what Red Hat Ansible Automation Platform is and perform a basic installation of automation controller and automation hub.

2 - Manage user access

- Create user accounts and organize them into teams/groups in automation controller and automation hub, and assign them permissions to administer and access resources in each service.

3 - Manage 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.

4 - Manage projects and launch Ansible jobs

- Create projects and job templates in the web UI, using them to launch Ansible Playbooks that are stored in Git repositories, in order to automate tasks on managed hosts.

5 - Configure advanced job configuration

- Configure advanced features of automation controller in order to more effectively and efficiently implement jobs.

6 - Construct job workflows

- Use advanced features of job templates to improve performance, simplify the customization of jobs, launch multiple jobs, schedule automatically recurring jobs, and provide notification of job results.

7 - Manage advanced inventories

- Manage inventories that are generated dynamically from scripts or the automation controller smart inventory feature.

8 - Automate 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.

9 - Maintain Red Hat Ansible Automation Platform

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

10 - Get insights into automation performance

- Get information from Red Hat Insights for Red Hat Ansible Automation Platform to evaluate the performance of your Ansible automation and identify possible ways to improve it.

11 - Build a large scale Red Hat Ansible Automation Platform deployment

- Use high availability techniques and automation mesh to scale up your Red Hat Ansible Automation Platform deployment.

12 - 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.

Additional Course Details

Nexus Humans Managing Enterprise Automation with Red Hat Ansible Automation Platform (DO467) training program is a workshop that presents an invigorating mix of sessions, lessons, and masterclasses meticulously crafted to propel your learning expedition forward.

This immersive bootcamp-style experience boasts interactive lectures, hands-on labs, and collaborative hackathons, all strategically designed to fortify fundamental concepts.

Guided by seasoned coaches, each session offers priceless insights and practical skills crucial for honing your expertise. Whether you're stepping into the realm of professional skills or a seasoned professional, this comprehensive course ensures you're equipped with the knowledge and prowess necessary for success.

While we feel this is the best course for the Managing Enterprise Automation with Red Hat Ansible Automation Platform (DO467) course and one of our Top 10 we encourage you to read the course outline to make sure it is the right content for you.

Additionally, private sessions, closed classes or dedicated events are available both live online and at our training centres in Dublin and London, as well as at your offices anywhere in the UK, Ireland or across EMEA.

Frequently Asked Questions

Q: What delivery options are available for Managing Enterprise Automation with Red Hat Ansible Automation Platform (DO467)?

We offer multiple delivery formats:

- Live Instructor-Led Classroom Online (Virtual/Live Online)
- Traditional Instructor-Led Classroom Training (ILT)
- On-site delivery at your offices anywhere in United Kingdom
- Private dedicated courses customized for your team

Q: How many CPD hours does this course provide?

The 5-day Managing Enterprise Automation with Red Hat Ansible Automation Platform (DO467) course provides up to 32.5 CPD hours of structured learning. CPD certificates can be provided upon request.

Q: What is the duration of the Managing Enterprise Automation with Red Hat Ansible Automation Platform (DO467) training?

The training takes place over 5 day(s), with each day lasting approximately 40.00 hours including breaks for lunch and refreshments.

Q: Do you provide corporate training for Managing Enterprise Automation with Red Hat Ansible Automation Platform (DO467)?

Yes, we provide corporate training, dedicated training, and closed classes for Managing Enterprise Automation with Red Hat Ansible Automation Platform (DO467). Training can take place anywhere in United Kingdom including London, Manchester, Birmingham, Edinburgh, or live online allowing teams from across United Kingdom or internationally to attend.

Q: Why choose Nexus Human for Managing Enterprise Automation with Red Hat Ansible Automation Platform (DO467)?

Nexus Human is recognized as one of the leading training providers. Our trainers have won multiple awards including:

- Small Firms Best Trainer Award
- National Training Partner of the Year (Ireland) - Multiple Years
- Global Top 30 Instructor Awards (2012, 2019, 2021)
- Tech Excellence Award Nominations
- Learning Performance Institute (LPI) External Training Provider Sponsor 2024

Q: Are there any discount codes available?

Yes! Use discount code **PENPAL5** when booking your Managing Enterprise Automation with Red Hat Ansible Automation Platform (DO467) training. Please note that only one discount code can be used per booking and cannot be combined with other special offers.

Nexus Human

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