Developing Advanced Automation with Red Hat Ansible Automation Platform (DO374)

Category: Software Development & Programming | **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

Advance your Ansible skills and develop automation that scales by applying recommended practices with the new, container focused tools from Red Hat Ansible Automation Platform Developing Advanced Automation with Red Hat Ansible Automation Platform (DO374) is designed for automation content developers to leverage the new, container focused tools from Red Hat® Ansible Automation Platform to efficiently develop automation that can be managed by the automation controller. Learn recommended practices for automation development using reusable code, advanced playbook techniques, shared execution environments, and preparing for scalable automation with the automation content navigator. This course is based on Red Hat Ansible Automation Platform 2.0.

About This Course

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Developing Advanced Automation with Red Hat Ansible Automation Platform (DO374) is designed for automation content developers to leverage the new, container focused tools from Red Hat® Ansible Automation Platform to efficiently develop automation that can be managed by the automation controller. Learn recommended practices for automation development using reusable code, advanced playbook techniques, shared execution environments, and preparing for scalable automation with the automation content navigator.

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Who Should Attend

Developers DevOps engineers Linux system administrators Other IT professionals with basic expertise using Red Hat Ansible Automation Platform to automate, provision, configure, and deploy applications and services in a Linux environment

Prerequisites & Entry Requirements

General Prerequisites:

- Red Hat Enterprise Linux Automation with Ansible (RH294)
- Be a Red Hat Certified Engineer (RHCE®) on Red Hat Enterprise Linux 8, or demonstrate equivalent Ansible experience

Learning Outcomes

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

Apply recommended practices for effective and efficient automation with Ansible. Perform automation operations as rolling updates. Use advanced features of Red Hat Ansible Automation Platform to work with data, including filters and plugins. Create automation execution environments to contain and scale Red Hat Ansible Automation. Leverage capabilities of the automation content navigator to develop Ansible Playbooks.

Detailed Course Outline

1 - Develop Playbooks with Ansible Automation Platform 2

- Develop Ansible Playbooks following recommended practices with Red Hat Ansible Automation Platform 2.

2 - Manage Content Collections and Execution Environments

- Run playbooks that use content collections not included in ansible-core, either from an existing execution environment or by downloading them from the automation hub.

3 - Run Playbooks with Automation Controller

- Use the automation controller to run playbooks that you developed with automation content navigator.

4 - Work with Ansible Configuration Settings

- Examine and adjust the configuration of automation content navigator and the Ansible runner inside execution environments to simplify development and troubleshoot issues.

5 - Manage Inventories

- Manage inventories by using advanced features of Ansible.

6 - Manage Task Execution

- Control and optimize the execution of tasks by Ansible Playbooks.

7 - Transform Data with Filters and Plugins

- Populate, manipulate, and manage data in variables using filters and plugins.

8 - Coordinate Rolling Updates

- Use advanced features of Ansible to manage rolling updates in order to minimize downtime and to ensure maintainability and simplicity of Ansible Playbooks.

9 - Create Content Collections and Execution Environments

- Write your own Ansible Content Collections, publish them, embed them in a custom execution environment, and run them in playbooks by using the automation controller.

Additional Course Details

Nexus Humans Developing Advanced Automation with Red Hat Ansible Automation Platform (DO374) 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 Developing Advanced Automation with Red Hat Ansible Automation Platform (DO374) 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 Developing Advanced Automation with Red Hat Ansible Automation Platform (DO374)?

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 Developing Advanced Automation with Red Hat Ansible Automation Platform (DO374) 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 Developing Advanced Automation with Red Hat Ansible Automation Platform (DO374) 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 Developing Advanced Automation with Red Hat Ansible Automation Platform (DO374)?

Yes, we provide corporate training, dedicated training, and closed classes for Developing Advanced Automation with Red Hat Ansible Automation Platform (DO374). 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 Developing Advanced Automation with Red Hat Ansible Automation Platform (DO374)?

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 Developing Advanced Automation with Red Hat Ansible Automation Platform (DO374) 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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