Red Hat Enterprise Linux Automation with Ansible (RH294)

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

Related Exam: EX200; Red Hat Certified System Administrator (RHCSA); RH294

Course Overview

Red Hat System Administration III: Linux Automation (RH294) is designed for Linux® system administrators and developers who need to automate provisioning, configuration, application deployment, and orchestration.

About This Course

Red Hat System Administration III: Linux Automation (RH294) is designed for Linux® system administrators and developers who need to automate provisioning, configuration, application deployment, and orchestration.

Who Should Attend

This course is geared toward Linux system administrators, DevOps engineers, infrastructure automation engineers, and systems design engineers who are responsible for these tasks: Automating configuration management, ensuring consistent and repeatable application deployment, provisioning and deployment of development, testing, and production servers, integrating with DevOps continuous integration/continuous delivery workflows.

Prerequisites & Entry Requirements

General Prerequisites:

Pass the Red Hat Certified System Administrator (RHCSA) exam (EX200), or demonstrate equivalent Red Hat Enterprise Linux knowledge and experience.

Learning Outcomes

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

You will learn: - How to install and configure Ansible® on a management workstation - Prepare managed hosts for automation - Write Ansible Playbooks to automate tasks - Run playbooks to ensure servers are correctly deployed and configured.

Detailed Course Outline

1 - INTRODUCE ANSIBLE

- Describe Ansible concepts and install Red Hat Ansible Engine.

2 - DEPLOY ANSIBLE

- Configure Ansible to manage hosts and run ad hoc Ansible commands.

3 - IMPLEMENT PLAYBOOKS

- Write a simple Ansible Playbook and run it to automate tasks on multiple managed hosts.

4 - MANAGE VARIABLES AND FACTS

- Write playbooks that use variables to simplify management of the playbook and facts to reference information about managed hosts.

5 - IMPLEMENT TASK CONTROL

- Manage task control, handlers, and task errors in Ansible Playbooks.

6 - DEPLOY FILES TO MANAGED HOSTS

- Deploy, manage, and adjust files on hosts managed by Ansible.

7 - MANAGE LARGE PROJECTS

- Write playbooks that are optimized for larger, more complex projects.

8 - SIMPLIFY PLAYBOOKS WITH ROLES

- Use Ansible roles to develop playbooks more quickly and to reuse Ansible code.

9 - TROUBLESHOOT ANSIBLE

- Troubleshoot playbooks and managed hosts.

10 - AUTOMATE LINUX ADMINISTRATION TASKS

- Automate common Linux system administration tasks with Ansible.

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1 - Introduce Ansible

- Describe the fundamental concepts of Red Hat Ansible Automation Platform and how it is used, and install Red Hat Ansible Automation Platform.

2 - Implement an Ansible playbook

- Create an inventory of managed hosts, write a simple Ansible playbook, and run the playbook to automate tasks on those hosts.

3 - Manage variables and facts

- Write playbooks that use variables to simplify management of the playbook and facts to reference information about managed hosts.

4 - Implement task control

- Manage task control, and task errors in Ansible Playbooks.

5 - Deploy files to managed hosts

- Deploy, and adjust files on hosts managed by Ansible.

6 - Manage complex plays and playbooks

- Write playbooks that are optimized for larger, more complex plays and playbooks.

7 - Simplify playbooks with roles

- Use Ansible roles to develop playbooks more quickly and to reuse Ansible code.

8 - Troubleshoot Ansible

- Troubleshoot playbooks and managed hosts.

9 - Automate Linux administration tasks

- Automate common Linux system administration tasks with Ansible.

Additional Course Details

Nexus Humans Red Hat Enterprise Linux Automation with Ansible (RH294) 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 Red Hat Enterprise Linux Automation with Ansible (RH294) 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 Red Hat Enterprise Linux Automation with Ansible (RH294)?

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: Which exam does this course prepare me for?

This course prepares you for the EX200; Red Hat Certified System Administrator (RHCSA); RH294 official exam. You can take this exam at any exam center across United Kingdom including London, Manchester, Birmingham, Edinburgh, or live online wherever you are located.

Q: How many CPD hours does this course provide?

The 5-day Red Hat Enterprise Linux Automation with Ansible (RH294) 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 Red Hat Enterprise Linux Automation with Ansible (RH294) 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 Red Hat Enterprise Linux Automation with Ansible (RH294)?

Yes, we provide corporate training, dedicated training, and closed classes for Red Hat Enterprise Linux Automation with Ansible (RH294). 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 Red Hat Enterprise Linux Automation with Ansible (RH294)?

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 Red Hat Enterprise Linux Automation with Ansible (RH294) training. Please note that only one discount code can be used per booking and cannot be combined with other special offers.

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