Network Automation with Red Hat Ansible Automation Platform (DO457)

Category: AI, Data & Analytics | **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

As a network administrator or infrastructure automation engineer, this course will empower you to use network automation to centrally manage the switches, routers, and other devices in your organization's network infrastructure. You will discover how to use Red Hat Ansible Automation for Networking to remotely automate configuration of network devices, test and validate the current network state, and perform compliance checks to detect and correct configuration drift. This course is based on Red Hat® Ansible Engine 2.5 and Red Hat® Ansible Tower 3.2.

About This Course

As a network administrator or infrastructure automation engineer, this course will empower you to use network automation to centrally manage the switches, routers, and other devices in your organization's network infrastructure. You will discover how to use Red Hat Ansible Automation for Networking to remotely automate configuration of network devices, test and validate the current network state, and perform compliance checks to detect and correct configuration drift. This course is based on Red Hat® Ansible Engine 2.5 and Red Hat® Ansible Tower 3.2.

Who Should Attend

This course is designed for network administrators, network automation engineers, and infrastructure automation engineers who want to learn how to use Ansible to automate the administration, deployment, and configuration management of the network infrastructure of their organization or enterprise. Experience with network administration, including a solid understanding of TCP/IP, routers, and managed switches. Familiarity with managing network devices from the command line, preferably with one or more of Cisco IOS, IOS XR, or NX-OS; Juniper JUNOS; Arista EOS; or VyOS. You will work with text files and run commands in a Red Hat Enterprise Linux environment. A working knowledge of Linux, including how to edit text files and run commands from the shell, and how to use SSH to log in to remote systems. Prior Ansible knowledge is not required.

Learning Outcomes

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

Ansible for Network Automation (DO457) is designed for network administrators or infrastructure automation engineers who want to use network automation to centrally manage the switches, routers, and other devices in the organization's network infrastructure.

Detailed Course Outline

1 - DEPLOY ANSIBLE

- Install Ansible and set up Ansible inventories.

2 - RUN COMMANDS AND PLAYS

- Execute ad hoc commands and prepare Ansible playbooks.

3 - PARAMETERIZE ANSIBLE

- Control tasks with loops and conditionals.

4 - ADMINISTER ANSIBLE

- Safeguard information with Ansible Vault and manage advanced inventories.

5 - AUTOMATE SIMPLE NETWORKING OPERATIONS

- Gather network information with Ansible and modify networks.

6 - AUTOMATE COMPLEX OPERATIONS

- Solve new MACD challenges and resolve real-world problems.

Additional Course Details

Nexus Humans Network Automation with Red Hat Ansible Automation Platform (DO457) 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 Network Automation with Red Hat Ansible Automation Platform (DO457) 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 Network Automation with Red Hat Ansible Automation Platform (DO457)?

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 Network Automation with Red Hat Ansible Automation Platform (DO457) 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 Network Automation with Red Hat Ansible Automation Platform (DO457) 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 Network Automation with Red Hat Ansible Automation Platform (DO457)?

Yes, we provide corporate training, dedicated training, and closed classes for Network Automation with Red Hat Ansible Automation Platform (DO457). 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 Network Automation with Red Hat Ansible Automation Platform (DO457)?

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 Network Automation with Red Hat Ansible Automation Platform (DO457) training. Please note that only one discount code can be used per booking and cannot be combined with other special offers.

Nexus Human

Professional Training & Development

Email: info@nexushuman.com

Website: www.nexushuman.com

Phone: +353 1 889 8700 (Ireland) | +44 20 8142 8961 (UK)

© 2026 Nexus Human. All rights reserved. This brochure was generated on 14/11/2026.