

Network Automation with Red Hat Ansible Automation Platform and Exam

Cursusduur: 5 Dagen Cursuscode: DO458 Trainingsmethode: Virtual Learning

Beschrijving:

Configure and manage network infrastructure using Red Hat Ansible Automation Platform.

Network Automation with Red Hat Ansible Automation Platform (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. Learn how to use Red Hat Ansible Automation Platform to remotely automate the configuration of network devices, test and validate the current network state, and perform compliance checks to detect and correct configuration drift.

This package (course + exam) is based on Red Hat® Ansible Automation Platform 2.3 and includes an exam voucher.

Note: Starting January 2026 this bundle (Course + Exam) only exists in CR (classroom) if scheduled or Closed course modalities.

If you are targeting a virtual class, please consider DO457LS the new RHLS-course subscription which includes as well an exam voucher.

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Virtueel en Klassikaal™

Virtueel en Klassikaal™ is een eenvoudig leerconcept en biedt een flexibele oplossing voor het volgen van een klassikale training. Met Virtueel en Klassikaal™ kunt u zelf beslissen of u een klassikale training virtueel (vanuit huis of kantoor) of fysiek op locatie wilt volgen. De keuze is aan u! Cursisten die virtueel deelnemen aan de training ontvangen voor aanvang van de training alle benodigde informatie om de training te kunnen volgen.

Doelgroep:

This course is designed for network administrators, network automation engineers, and infrastructure automation engineers who are responsible for deploying, managing, and automating the network infrastructure of their organization or enterprise.

Doelstelling:

- After this course participants should be able to:
- Prepare a development environment for Ansible network automation
- Write and troubleshoot effective Ansible Playbooks for network automation
- Gather information about network infrastructure configuration for infrastructure awareness and configuration backup
- Automate specific network administration use cases, including configuration of routers and switches, ports, VLANs, SNMP monitoring, and routing protocols
- Use Ansible Playbooks to manage devices from various hardware vendors, including Cisco, Juniper, and Arista
- Centrally manage Ansible content in Git and run it centrally with automation controller
- Reuse existing, tested network automation code with Ansible Roles, Ansible Content Collections, and Ansible validated content

Vereiste kennis en vaardigheden:

- 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; or Arista EOS
 - Knowledge equivalent to Red Hat System Administration I (RH124) or better is recommended
 - Prior Ansible knowledge is not required
- Take Red Hat free assessment to gauge whether this offering is the best fit for your skills [Red Hat Skills Assessment](#)

Examens en certificering

- Red Hat Certified Specialist in Ansible Network Automation exam (EX457) - exam voucher included

Vervolg cursussen:

■ Developing Advanced Automation with Red Hat Ansible Automation Platform (DO374 - AU374)

Cursusinhoud:

Introducing Red Hat Ansible Automation Platform	Managing Variables and Facts	Automating Network Automation Tasks
Describe the fundamental concepts of Ansible and how it is used, and install development tools from Red Hat Ansible Automation Platform	Write playbooks that use variables to simplify management of the playbook and facts to reference information about managed nodes	Automate common network administration tasks, discussing recommended practices and approaches to cross-vendor automation
Implementing an Ansible Playbook	Implementing Task Control	Comprehensive Review
Create an inventory of managed nodes, write a simple Ansible Playbook, and run the playbook to automate tasks on those nodes	Manage task control and task errors in Ansible Playbooks	Demonstrate skills learned in this course by installing, optimizing, and configuring Ansible for the management of network devices and infrastructure
Managing and Running Playbooks	Simplifying Playbooks with Roles and Ansible Content Collections	
Manage automation code in version control and run Ansible Playbooks from a centrally managed automation controller	Use Ansible Roles and Ansible Content Collections to develop playbooks more quickly and to reuse Ansible code	

Extra informatie:

Official course book provided to participants

Nadere informatie:

Neem voor nadere informatie of boekingen contact op met onze Customer Service Desk 030 - 60 89 444

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