Network Automation with Red Hat Ansible Automation Platform

Kód kurzu: AU457

Od ledna 2026 je možné za původních podmínek zakoupit pouze prezenční Red Hat školení. Virtuální kurzy (VT) jsou dostupné výhradně v rámci ročního předplatného RHLS Course.Jak si naplánovat virtuální kurz v Red Hat Learning Subscription Course naleznete zde.
Network Automation with Red Hat Ansible Automation Platform (AU457) 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 course is based on Red Hat® Ansible Automation Platform 2.3

Pro koho je kurz určen

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.

Co Vás naučíme

- 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, LANs, 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.

Požadované vstupní znalosti

- Take our
- free assessment
- to gauge whether this offering is the best fit for your skills.
- 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.

Studijní materiály

Red Hat guide book for this course.

Osnova kurzu

Introducing Red Hat Ansible Automation Platform

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

Implementing an Ansible Playbook

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

GOPAS Praha
Na Strži 2097/63
140 00 Praha 4 - Krč
Tel.: +420 226 201 390
info@gopas.cz

GOPAS Brno
Nové sady 996/25
602 00 Brno
Tel.: +420 530 513 590
info@gopas.cz

GOPAS Bratislava
Dr. Vladimíra Clementisa 10
Bratislava, 821 02
Tel.: +421 902 903 132
info@gopas.sk

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Managing and Running Playbooks

Manage automation code in version control and run Ansible Playbooks from a centrally managed automation controller.

Managing Variables and Facts

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

Implementing Task Control

Manage task control and task errors in Ansible Playbooks.

Simplifying Playbooks with Roles and Ansible Content Collections

Use Ansible Roles and Ansible Content Collections to develop playbooks more quickly and to reuse Ansible code.

Automating Network Automation Tasks

Automate common network administration tasks, discussing recommended practices and approaches to cross-vendor automation.

Comprehensive Review

Demonstrate skills learned in this course by installing, optimizing, and configuring Ansible for the management of network devices and infrastructure.

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