Ansible for Network Automation

Course#:DO457
Duration:4 Days
Price:0.00

Course Description

Configure and manage network infrastructure using Red Hat Ansible Automation for Networking

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 organizations network infrastructure.

This course is based on Red HatAnsible Engine 2.5 and Red HatAnsible Tower 3.2.

Learn 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.

Objectives

Install and configure Red Hat Ansible Automation for Networking on a management system
Use Ansible to run ad hoc commands and playbooks to automate tasks
Write effective Ansible playbooks for network automation
Gather information about network infrastructure configuration and backup
Automate specific network administration use cases, including configuration of routers and switches, ports, VLANs, SNMP monitoring, and routing protocols
Use Ansible playbooks to target devices from various hardware vendors, including Cisco, Juniper, and Arista

Audience

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.

Prerequisites

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

Knowledge equivalent to Red HatSystem Administration I (RH124)or better is recommended

Prior Ansible knowledge is not required

Content

Deploy Ansible

Install Ansible and create Ansible inventories.

Run commands and plays

Execute ad hoc commands and prepare Ansible playbooks.

Parameterize Ansible

Control tasks with loops and conditions.

Administer Ansible

Safeguard information with Ansible Vault and manage inventories.

Automate simple network operations

Gather network information with Ansible and configure network devices.

Automate complex operations

Solve new MACD challenges and overcome real-world challenges.