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PREMIER
PARTNER

Network Automation with Red Hat Ansible Automation Platform

Duration: 4 Days   **Course Code: DO457**   **Delivery Method: Closed Events**

Overview:

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.

Company Events

These events can be delivered exclusively for your company at our locations or yours, specifically for your delegates and your needs. The Company Events can be tailored or standard course deliveries.

Target 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.

Objectives:

- Deploy AnsibleInstall

- 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.

- Note: Course outline is subject to change with technology advances and as the nature of the underlying job evolves. For questions or confirmation on a specific objective or topic, please contact us.

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 Hat System Administration I (RH124) or better is recommended

Prior Ansible knowledge is not required

Content:

- 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

Further Information:

For More information, or to book your course, please call us on 00 966 92000 9278

training@globalknowledge.com.sa

www.globalknowledge.com/en-sa/

Global Knowledge - KSA, 393 Al-Uroubah Road, Al Worood, Riyadh 3140, Saudi Arabia