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Course Name

Red Hat Enterprise Linux Automation with Ansible (RH294)

Sector Name

Information Technology

Document Type

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Red Hat Enterprise Linux Automation with Ansible (RH294)

Course Introduction

This course is designed and based on Red Hat® Enterprise Linux® 9 and Red Hat Ansible Automation Platform 2.2. This comprehensive course in Red Hat Enterprise Linux Automation with Ansible covers essential concepts and practical applications over three days.

Participants learn how to install Red Hat Ansible Automation Platform and implement playbooks to automate tasks on managed hosts. Advanced topics include managing task control, file deployment, and troubleshooting common issues. By the end of the course, learners will master techniques for simplifying playbooks with roles, troubleshooting, and automating Linux administration tasks effectively.

Training Course Methodology

This course is designed to be interactive and participatory, and includes various learning tools to enable the participants to function effectively and efficiently. The course will use sessions, exercises, case applications, and presentations about proven-by-practice methods, new insights, and ideas about emotional intelligence and its effects in the corporate world.

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Target Audience

✓ Linux System Administrator
✓ DevOps Engineer
✓ Cloud Engineer
✓ IT Automation Engineer
✓ Infrastructure Engineer
✓ Site Reliability Engineer (SRE)
✓ Security Engineer
✓ Network Engineer
✓ Technical Support Engineer
✓ Configuration Management Engineer
✓ Software Developer
✓ Database Administrator (DBA)
✓ IT Consultant

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Learning Objectives

- ✓ Implement Red Hat Ansible Automation Platform on control nodes.
- ✓ Establish and maintain inventories of managed hosts and manage connections to them efficiently.
- ✓ Streamline administrative tasks through the automation of Ansible Playbooks and ad hoc commands.
- ✓ Develop scalable and efficient playbooks to ensure effective task execution.
- ✓ Safeguard confidential information utilized by the Ansible Automation Platform using Ansible Vault.
- ✓ Enhance playbook development by reusing code and simplifying processes with Ansible Roles and Ansible Content Collections.

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Course Outline

✓ Day 01

Introduce Ansible

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

Implement an Ansible playbook

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

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Course Outline

✓ Day 02

Manage variables and facts

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

Implement task control

✓ Manage task control, handlers, and task errors in Ansible Playbooks.

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Course Outline

✓ Day 03

Deploy files to managed hosts

✓ Deploy, manage, and adjust files on hosts managed by Ansible.

Manage complex plays and playbooks

✓ Write playbooks that are optimized for larger, more complex plays and playbooks.

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Course Outline

✓ Day 04

Simplify playbooks with roles

✓ Use Ansible roles to develop playbooks more quickly and to reuse Ansible code.

Troubleshoot Ansible

✓ Troubleshoot playbooks and managed hosts.

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Course Outline

✓ Day 05

Automate Linux administration tasks

✓ Automate common Linux system administration tasks with Ansible.

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Confirmed Sessions

FROM	TO	DURATION	FEES	LOCATION
Aug. 23, 2027	Aug. 27, 2027	5 days	4950.00 $	England , London
April 4, 2027	April 8, 2027	5 days	4250.00 $	Bahrain , Manama
June 28, 2027	July 2, 2027	5 days	4250.00 $	UAE , Dubai
Oct. 19, 2026	Oct. 23, 2026	5 days	4250.00 $	UAE , Dubai

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