

# Red Hat Enterprise Linux Automation with Ansible

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**Code:** RH294  
**Length:** 4 days  
**URL:** [View Online](#)

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Red Hat System Administration III: Linux Automation (RH294) is designed for Linux® system administrators and developers who need to automate provisioning, configuration, application deployment, and orchestration. You will learn how to install and configure Ansible® on a management workstation; prepare managed hosts for automation; write Ansible Playbooks to automate tasks; and run playbooks to ensure servers are correctly deployed and configured.

This course is based on Red Hat® Enterprise Linux 8 and Red Hat® Ansible Engine 2.8.

## Skills Gained

As a result of attending this course, you should be able to use Ansible for the purpose of automation, configuration, and management. You should be able to demonstrate these skills:

- Install and configure Ansible or Red Hat Ansible Engine on a control node.
- Create and manage inventories of managed hosts, as well as prepare them for Ansible automation.
- Run individual ad hoc automation tasks from the command line.
- Write Ansible Playbooks to consistently automate multiple tasks and apply them to managed hosts.
- Parameterize playbooks using variables and facts, and protect sensitive data with Ansible Vault.
- Write and reuse existing Ansible roles to simplify playbook creation and reuse code.
- Automate common Red Hat Enterprise Linux system administration tasks using Ansible.

## Who Can Benefit

This course is geared toward Linux system administrators, DevOps engineers, infrastructure automation engineers, and systems design engineers who are responsible for these tasks:

- Automating configuration management
- Ensuring consistent and repeatable application deployment
- Provisioning and deployment of development, testing, and production servers
- Integrating with DevOps continuous integration/continuous delivery workflows

## Prerequisites

Pass the Red Hat Certified System Administrator (RHCSA) exam (EX200), or demonstrate equivalent Red Hat Enterprise Linux knowledge and experience

## Course Details

### Course Outline

Introduce Ansible

- Describe Ansible concepts and install Red Hat Ansible Engine.

Deploy Ansible

- Configure Ansible to manage hosts and run ad hoc Ansible commands.

Implement playbooks

- Write a simple Ansible Playbook and run it to automate tasks on multiple managed hosts.

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.

Deploy files to managed hosts

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

Manage large projects

- Write playbooks that are optimized for larger, more complex projects.

Simplify playbooks with roles

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

Troubleshoot Ansible

- Troubleshoot playbooks and managed hosts.

Automate Linux administration tasks

- Automate common Linux system administration tasks with Ansible.

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## Schedule (as of 4 )

**Date**

**Location**

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Apr 29, 2024 – May 3, 2024	Virtual	GTR	<a href="#">Enroll</a>
May 6, 2024 – May 10, 2024	Virtual	GTR	<a href="#">Enroll</a>
May 13, 2024 – May 17, 2024	Virtual	GTR	<a href="#">Enroll</a>
May 20, 2024 – May 24, 2024	Virtual	GTR	<a href="#">Enroll</a>
Jun 3, 2024 – Jun 7, 2024	Virtual	GTR	<a href="#">Enroll</a>
Jun 10, 2024 – Jun 14, 2024	Virtual	GTR	<a href="#">Enroll</a>
Jun 17, 2024 – Jun 21, 2024	Virtual	GTR	<a href="#">Enroll</a>
Jun 24, 2024 – Jun 28, 2024	Virtual	GTR	<a href="#">Enroll</a>
Apr 29, 2024 – May 2, 2024	Herndon		<a href="#">Enroll</a>
Jun 3, 2024 – Jun 6, 2024	Irving		<a href="#">Enroll</a>

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