

Red Hat Enterprise Linux Automation with Ansible (AU294)

Duration: 4 Days Course Code: AU294

Overview:

Learn how to automate Linux system administration tasks with Ansible.

Red Hat Enterprise Linux Automation with Ansible (AU294) is designed for Linux administrators and developers who need to automate repeatable and error-prone steps for system provisioning, configuration, application deployment, and orchestration.

Participants will be able to apply automation-first principles to solve real-world Linux system and services problems through the effective creation of Ansible playbooks. You will gain the skills to automate your workflows, build the foundation for DevOps practices, and learn how to leverage Ansible for developmental efficiencies.

This course is based on Red Hat® Enterprise Linux® 10, Ansible Core 2.16 and Ansible development tools in alignment with Red Hat Ansible Automation Platform 2.5 and 2.6.

Note : Starting January 1, 2026, Red Hat introduces RHLS-Course — a flexible subscription model now included with this catalog offering. This replaces the previous direct virtual class enrollment from Global Knowledge.

When you purchase this item, you'll receive an RHLS subscription at the course level, giving you the freedom to choose the schedule that works best and self-enroll in your selected class.

Your RHLS subscription includes:

- One live, instructor-led virtual session
- 12 months of self-paced learning access
- One certification exam with a free retake

Onsite Classroom-based sessions and closed course options remain unchanged.

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Virtual Learning

This interactive training can be taken from any location, your office or home and is delivered by a trainer. This training does not have any delegates in the class with the instructor, since all delegates are virtually connected. Virtual delegates do not travel to this course, Global Knowledge will send you all the information needed before the start of the course and you can test the logins.

Target Audience:

This course is geared toward: Linux system administrators, DevOps engineers, Site Reliability Engineers, Infrastructure automation engineers, And developers who are responsible for repeatable tasks such as: 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

Objectives:

- After this course participants should be able to:
 - Write effective playbooks at scale.
- Install and configure Ansible development tools in VS Code and configure Ansible settings.
- Create and update inventories of managed hosts and manage connections to them.
- Automate administration tasks with Ansible Playbooks.
- Protect sensitive data used by Ansible Automation Platform with Ansible Vault.
- Reuse code and simplify playbook development with Ansible Roles and Ansible Content Collections.

Prerequisites:

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

Take Red Hat free assessment to gauge whether this offering is the best fit for your skills [Red Hat Skills Assessment](#)

Testing and Certification

- Red Hat Certified Engineer (RHCE) exam (EX294)

Follow-on-Courses:

- Developing Advanced Automation with Red Hat Ansible Automation Platform (AU374)
- AU374 - Developing Advanced Automation with Red Hat Ansible Automation Platform
- EX294 - Red Hat Certified Engineer (RHCE) exam for Red Hat Enterprise Linux 8

Content:

An introduction to Ansible

- Describe the fundamental concepts of Ansible and how it is used, install and configure Ansible development tools in VS Code, and configure Ansible settings.

Developing automation content

- Build Ansible inventories, write and run simple and complex playbooks, and troubleshoot playbooks and host failures.

Developing Automation Content: Variables

- Write playbooks that use variables to simplify management of the playbook, protect sensitive data in variables, and use facts and magic variables to reference information about managed hosts.

Developing Automation Content: Task Control

- Write plays that use task control features to efficiently specify a task that must run once for each item in a list, or that only runs if certain conditions are met.

Developing Automation Content: Deploying Files

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

Developing Automation Content at Scale

- Manage complex Ansible Playbooks by importing or including other playbooks and tasks, as well as by using advanced host patterns to efficiently select specific hosts from your inventory.

Reusing Code with Ansible Roles and Content Collections

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

Automate Linux administration tasks

- Automate common Linux system administration tasks with Ansible.

Additional Information:

Official course book provided to participants

Further Information:

For More information, or to book your course, please call us on Head Office Tel.: +974 40316639

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