

AU294

Red Hat Enterprise Linux Automation with Ansible

Course description

Learn how to automate Linux system administration tasks with Ansible.

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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.

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.

Course content summary

- 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.
- Write effective playbooks at scale.
- Protect sensitive data used by Ansible Automation Platform with Ansible Vault.
- Reuse code and simplify playbook development with Ansible Roles and Ansible Content Collections.

Course Outline

- **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.

Prerequisites for this course

- [Take our free assessment](#) to gauge whether this offering is the best fit for your skills.
- Pass the [Red Hat Certified System Administrator \(RHCSA\) exam \(EX200\)](#), or demonstrate equivalent Red Hat Enterprise Linux knowledge and experience.

