

## AU245

### **Configuration as Code for Enterprise Automation with Red Hat Ansible Automation Platform**

#### **Course Description**

**Introduction to Configuration as Code (CaC) using Git and CI/CD principles to establish a robust, version-controlled, and automated pipeline for Red Hat Ansible Automation Platform configuration management.**

Configuration as Code for Enterprise Automation with Red Hat Ansible Automation Platform (AU245) is designed to teach IT professionals how to scale and manage Red Hat Ansible Automation Platform applying Configuration as Code core principles.

#### **Course Content Summary**

- Introducing configuration as code and CI/CD principles to overcome barriers to reliably scaling automation.
- Managing code and configuration files using the Git distributed version control system.
- Collaborating in Git repositories and synchronizing local and remote content to enable distributed workflows.
- Managing Red Hat Ansible Automation Platform with configuration as code, utilizing git, validated Ansible content collections and automated CI/CD pipelines.

#### **Configuration as Code and CI/CD Principles**

Overcome barriers to reliably scaling automation by using the Configuration as Code methodology, and understand its relationship to continuous integration/continuous delivery (CI/CD) principles.

#### **Introduction to Git**

Manage, store, and revise code and configuration files by using the Git distributed version control system; understand its key principles of operation; and collaborate efficiently by using tags, branches, and conflict resolution.

## **Collaborating in Git Repositories**

Collaboratively develop code and manage configuration files in Git repositories, using methods that can enable distributed or centralized workflows.

## **Configuration as Code for Ansible Automation Platform**

Manage a Red Hat Ansible Automation Platform organization by applying Configuration as Code and CI/CD principles.

## **Prerequisites for this course**

- Practical experience writing and running Ansible Playbooks.
- A solid understanding of core Ansible concepts, including inventories, variables, Ansible Roles, and Ansible Content Collections.
- Basic familiarity with the Red Hat Ansible Automation Platform interface and concepts such as projects, inventories, and job templates.
- Recommended but not required- Complete [Managing Enterprise Automation with Red Hat Ansible Automation Platform \(AU467\)](#).

