

CONFIGURATION AS CODE FOR ENTERPRISE AUTOMATION WITH RED HAT ANSIBLE AUTOMATION PLATFORM (AU245)

Course Code: 832025

AU245 - Get an 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

This course proposes an 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.

Implementing a Configuration as Code methodology empowers enterprises to establish a robust, version-controlled, and automated pipeline for configuration management. This approach overcomes the barriers to reliably scaling automation by ensuring configuration consistency, improving change tracking, and significantly reducing the operational risks and downtime associated with manual, error-prone deployments.

You will build a foundation in Git and CI/CD principles to help you transition from the manual administration of Red Hat Ansible Automation Platform to an automated approach. This equips you with the essential, hands-on skills to begin using configurations as code, allowing you to safely validate, test, and promote deployments from staging environments to production.

By adopting these fundamental operations practices, you will improve team collaboration, reduce deployment errors, and learn to confidently execute critical system changes.

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.

Updated July2026

What You'll Learn

After this course participants should be able to:

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

Who Needs to Attend

- Ansible automation architects and platform engineers who need to plan, design, and deploy Ansible automation infrastructure for their organizations.
- System administrators, site reliability engineers, and DevOps engineers who support automation operations and need to provide, manage, operate, and maintain Ansible automation infrastructure.

Prerequisites

- 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).

Confirmation of the correct skill set knowledge can be obtained by passing the online skills assessment at [Red Hat Skills Assessment](#)

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VIRTUAL CLASSROOM LIVE

\$4,582 CAD

3 Day

Virtual Classroom Live Outline

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.



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Date created: 7/24/2026 2:05:14 PM

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