

## AU374

# Developing Advanced Automation with Red Hat Ansible Automation Platform

## Course Description

Advance your Ansible skills and develop automation that scales by applying recommended practices with the new, container-focused tools from Red Hat Ansible Automation Platform.

*Developing Advanced Automation with Red Hat Ansible Automation Platform (AU374)* is designed for automation content developers to use the container-focused tools from Red Hat® Ansible Automation Platform to efficiently develop automation that can be managed through the Ansible Automation Platform unified UI. Learn recommended practices for automation development using reusable code, advanced playbook techniques, shared automation execution environments, and preparing for scalable automation with automation content navigator.

This course is based on Red Hat Ansible Automation Platform 2.5.

Following course completion, hands-on lab access will remain available for up to 45 days for any live course that includes a virtual environment.

Note: This course is offered as a four day in person class, a five day virtual class or is self-paced. Durations may vary based on the delivery. For full course details, scheduling, and pricing, select your location then “get started” on the right hand menu.

## Recommended training

- [Take our free assessment](#) to gauge whether this offering is the best fit for your skills
- [Red Hat Enterprise Linux Automation with Ansible \(RH294\)](#)
- Be a [Red Hat Certified Engineer \(RHCE®\)](#) on Red Hat Enterprise Linux 9 or later, or demonstrate equivalent Ansible experience

# Course Outline

- Develop Playbooks with Ansible Automation Platform 2
  - Develop Ansible Playbooks with Red Hat Ansible Automation Platform 2 by following recommended practices.
- Manage Ansible Content Collections and Automation Execution Environments
  - Run playbooks that use content collections not included in ansible-core, either from an existing execution environment or by downloading them from the automation hub.
- Run Playbooks with Automation Controller
  - Explain what automation controller is and demonstrate how to use it to run playbooks that you developed with automation content navigator.
- Work with Ansible Configuration Settings
  - Examine and adjust the configuration of Ansible and automation content navigator to simplify development and to troubleshoot issues.
- Manage Inventories
  - Manage inventories by using advanced features of Ansible.
- Manage Task Execution
  - Control and optimize the execution of tasks by Ansible Playbooks.
- Transform Data with Filters and Plug-ins
  - Populate, manipulate, and manage data in variables using filters and plug-ins.
- Coordinate Rolling Updates
  - Use advanced features of Ansible to manage rolling updates in order to minimize downtime and to ensure maintainability and simplicity of Ansible Playbooks.
- Create Ansible Content Collections and Automation Execution Environments
  - Write your own Ansible Content Collections, publish them, embed them in a custom automation execution environment, and run them in playbooks by using automation controller.