Red Hat Certified Specialist in Advanced Automation: Ansible Best Practices exam

Code: EX447
Length: 0.5 days
URL: View Online

The Red Hat Certified Engineer Specialist in Advanced Automation: Ansible Best Practices exam (EX447) is a performance-based test of your knowledge and skill in managing multiple systems using Red Hat® Ansible® Engine and Red Hat Ansible Tower.

By passing this exam, you become a Red Hat Certified Specialist in Advanced Automation: Ansible Best Practices, which also counts toward becoming a Red Hat Certified Architect (RHCA®).

This exam is based on Red Hat Enterprise Linux 8.0, Red Hat Ansible 2.8, and Red Hat Ansible Tower 3.5.

Who Can Benefit

The Red Hat Certified Specialist in Advanced Automation: Ansible Best Practices exam will be of interest to anyone seeking to demonstrate a broader knowledge and understanding of Ansible best practices, applying Ansible in larger and more complex projects, and using Ansible Tower, including those in these roles:

- Experienced Linux system administrators
- DevOps engineers
- Cloud administrators
- Other IT professionals

Prerequisites

- Take Advanced Automation: Ansible Best Practices (DO447), or possess comparable work experience with Red Hat Enterprise Linux®, Ansible, and Ansible Tower
- Take Red Hat System Administration III: Linux Automation (RH294), or possess comparable work experience with Red Hat Enterprise Linux and Ansible
- Review the exam objectives

Course Details

You should be able to accomplish the following grouped tasks without assistance:

- Understand and use Git
- Clone a Git repository
- Update, modify and create files in a Git repository
- Add those modified files back into the Git repository
- Manage inventory variables
- Structure host and group variables using multiple files per host or group
- Use special variables to override the host, port, or remote user Ansible uses for a specific host
- Set up directories containing multiple host variable files for some of your managed hosts
- Override the name used in the inventory file with a different name or IP address
- Manage task execution
- Control privilege execution
- Run selected tasks
- Transform data with filters and plugins
- Populate variables with data from external sources using lookup plugins
- Use lookup and query functions to template data from external sources into playbooks and deployed template files
- Implement loops using structures other than simple lists using lookup plugins and filters
- Inspect, validate, and manipulate variables containing networking information with filters
- Delegate tasks
- Run a task for a managed host on a different host, then control whether facts gathered by that task are delegated to the managed host or the other host
- Install Ansible Tower
- Perform basic configuration of Ansible Tower after configuration
- Manage access for Ansible Tower
- Create Ansible Tower users and teams and make associations of one to the other
- Manage inventories and credentials
- Manage advanced inventories
- Create a dynamic inventory from an identity management server or a database server
- Create machine credentials to access inventory hosts
- Create a source control credential
- Manage projects
- Create a job template
- Manage job workflows
- Create a job workflow template
- Work with the Ansible Tower API
- Write an API scriptlet to launch a job
- Back up Ansible Tower
- Back up an instance of Ansible Tower
- As with all Red Hat performance-based exams, configurations must persist after reboot without intervention.

Schedule (as of 5)

Date	Location