Red Hat Certified Specialist in Developing Automation with Ansible Automation Platform exam

Course code: EX374

Exam descriptionThe Red Hat Certified Specialist in Developing Automation with Ansible Automation Platform exam tests your ability to create Ansible playbooks to perform common system administration tasks.By passing this exam, you become a Red Hat Certified Specialist in Developing Automation with Ansible Automation Platform that also counts towards earning a Red Hat Certified Architect (RHCA®).This exam is based on Red Hat Ansible Automation Platform 2.0

Who is the exam for

The Red Hat Certified Specialist in Developing Automation with Ansible Automation Platform 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 automation controller and Ansible automation hub including:

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

Required skills

Prerequisites for this exam

- Take Developing Advanced Automation with Red Hat Ansible Automation Platform (DO374), or possess comparable work experience with Red Hat Enterprise Linux®, Ansible, Ansible automation controller, and Ansible automation hub
- Take Red Hat System Administration III: Linux Automation (RH294), or possess comparable work experience with Red Hat Enterprise Linux and Ansible Automation Platform
- Review the exam objectives
- Take our free assessment to find the course that best supports your preparation for this exam.

Study points for the exam

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

Understand and use Git

- Clone a Git repository
- Create, modify and push files in a 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 for a specific host
- Set up directories containing multiple host variable files for managed hosts
- Override names used in inventory files with a different name or IP address

Manage task execution

- Control privilege execution
- Run selected tasks from a playbook

Transform data with filters and plugins

- Populate variables with data from external sources using lookup plugins
- Use lookup and query functions to incorporate 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
- Control whether facts gathered by a task are delegated to the managed host or the controlling host

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Manage content collections

- Create a content collection
- Install a content collection
- Publish a content collection

Manage execution environments

- Build an execution environment
- Run playbooks in a execution environment
- Upload execution environments into automation hub
- Using execution environments in automation controller

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 automation controller

- Run playbooks in automation controller
- Pull content into automation controller from either Git or automation hub
- Pull an execution environment from automation hub and run a playbook in it

As with all Red Hat performance-based exams, configurations must persist after reboot without intervention.

What you need to know

Preparation

Red Hat encourages you to consider taking Developing Advanced Automation with Red Hat Ansible Automation Platform (DO374) to help prepare for the exam.

Exam format

This hands-on, practical exam requires you to undertake real-world tasks. You will be provided with one or more virtual systems and required to perform tasks similar to those you would perform on the job. Internet access is not provided during the exam, and you are not permitted to bring any hard copy or electronic documentation into the exam. This prohibition includes notes, books, or any other materials. For most exams, the documentation that ships with the product is available during the exam.

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