

Developing Advanced Automation with Red Hat Ansible Automation Platform

Durée: 90 Jours **Réf de cours: DO374** **Méthodes d'apprentissage: E-learning**

Résumé:

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 (DO374) is designed for automation content developers to leverage the new, container focused tools from Red Hat Ansible Automation Platform to efficiently develop automation that can be managed by the automation controller. Learn recommended practices for automation development using reusable code, advanced playbook techniques, shared execution environments, and preparing for scalable automation with the automation content navigator.

This course is based on Red Hat Ansible Automation Platform 2.0.

e-Learning

Interactive self-paced content that provides flexibility in terms of pace, place and time to suit individuals and organisations. These resources also consist of online books, educational podcasts and vodcasts, and video-based learning.

Public visé:

This course is designed for users who create automation content, including these roles: DevelopersDevOps engineersLinux system administratorsOther IT professionals with basic expertise using Red Hat Ansible Automation Platform to automate, provision, configure, and deploy applications and services in a Linux environment

Objectifs pédagogiques:

- Apply recommended practices for effective and efficient automation with Ansible.
- Perform automation operations as rolling updates.
- Use advanced features of Red Hat Ansible Automation Platform to work with data, including filters and plugins.
- Create automation execution environments to contain and scale Red Hat Ansible Automation.
- Leverage capabilities of the automation content navigator to develop Ansible Playbooks.

Pré-requis:

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 8, or demonstrate equivalent Ansible experience

Technology considerations

No BYOD/BYDW or internet required. (Implementation of SSH access for VT/ROLE will require internet for that purpose.)

Après cette formation, nous vous conseillons le(s) module(s) suivant(s):

Managing Enterprise Automation with Red Hat Ansible Automation Platform (DO467, coming soon)

- RH358 - Red Hat Services Management and Automation
- DO417 - Automatisation de Microsoft Windows avec Red Hat Ansible
- DO457 - Automatisation du réseau avec Red Hat Ansible Automation Platform

Contenu:

Develop Playbooks with Ansible Automation Platform 2	Work with Ansible Configuration Settings	Transform Data with Filters and Plugins
Develop Ansible Playbooks following recommended practices with Red Hat Ansible Automation Platform 2.	Examine and adjust the configuration of automation content navigator and the Ansible runner inside execution environments to simplify development and troubleshoot issues.	Populate, manipulate, and manage data in variables using filters and plugins.
Manage Content Collections and Execution Environments	Manage Inventories	Coordinate Rolling Updates
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.	Manage inventories by using advanced features of Ansible.	Use advanced features of Ansible to manage rolling updates in order to minimize downtime and to ensure maintainability and simplicity of Ansible Playbooks.
Run Playbooks with Automation Controller	Manage Task Execution	Create Content Collections and Execution Environments
Use the automation controller to run playbooks that you developed with automation content navigator.	Control and optimize the execution of tasks by Ansible Playbooks.	Write your own Ansible Content Collections, publish them, embed them in a custom execution environment, and run them in playbooks by using the automation controller.

Méthodes pédagogiques :

Impact on the organization

This course is intended to develop the skills needed for basic administration and configuration of Red Hat Enterprise Linux. This course introduces key command line concepts and enterprise-level tools, laying the foundation for the rapid deployment of Red Hat Enterprise Linux. The curriculum also introduces the basic administration skills needed for resolving configuration issues and integrating Red Hat Enterprise Linux systems with other existing environments.

This offering lays the foundation for secure user and group administration, and develops skills that allow administrators to use available storage solutions more efficiently and securely. This course is the first of a two-part series that turns a computer professional who knows nothing about Linux into a fully capable Linux administrator.

Red Hat has created this course in a way intended to benefit our customers, but each company and infrastructure is unique, and actual results or benefits may vary.

Impact of this training

As a result of attending this course, you should be able to perform essential Linux administration tasks, including installation, establishing network connectivity, managing physical storage, and basic security administration.

You should be able to demonstrate these skills: Access the command line Manage files from command line Create, view, and edit text files Manage local users and groups Monitor and manage Linux processes Control services and daemons Control access to files with file system permissions Analyze and store log files Configure and secure the OpenSSH service Install and update software packages Access Linux file systems Manage Linux networking