# Red Hat Enterprise Linux Automation with Ansible

**Durée: 5 Jours** **Réf de cours: RH294**

## Résumé:

**Learn how to automate Linux system administration tasks with Red Hat Ansible Automation Platform**
Red Hat Enterprise Linux Automation with Ansible (RH294) is designed for Linux administrators and developers who need to automate repeatable and error-prone steps for system provisioning, configuration, application deployment, and orchestration.
This course is based on Red Hat® Enterprise Linux® 9 and Red Hat Ansible Automation Platform 2.2.
Following course completion, you will receive a 45-day extended access to hands-on labs for any 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.
**Course content summary**
- Install Red Hat Ansible Automation Platform on control nodes.
- Create and update inventories of managed hosts and manage connections to them.
- Automate administration tasks with Ansible Playbooks and ad hoc commands.
- Write effective playbooks at scale.
- Protect sensitive data used by Ansible Automation Platform with Ansible Vault.
- Reuse code and simplify playbook development with Ansible Roles and Ansible Content Collections.

## Public visé:

This course is geared toward Linux system administrators, DevOps engineers, infrastructure automation engineers, and systems design engineers who are responsible for these tasks:
- Automating configuration management
- Ensuring consistent and repeatable application deployment
- Provisioning and deployment of development, testing, and production servers
- Integrating with DevOps continuous integration/continuous delivery workflows

## Objectifs pédagogiques:

- **Impact on the organization**
- - Bring operational efficiency by removing manual processes through automation.
- - Easily scale the organization's dynamic IT infrastructure.
- - Accelerate application time to value.
- - Rapidly adapt and implement needed innovation through DevOps practices.
- 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 on the individual**
- You will be able to apply automation first principles to solve real-world Linux system and services problems through the effective creation of Ansible playbooks and application of Red Hat Ansible Automation Platform. You will gain the skills to automate your workflows, build the foundation for DevOps practices, and learn how to leverage Ansible Automation Platform for developmental efficiencies.

## Pré-requis:

- Pass the Red Hat Certified System Administrator (RHCSA) exam (EX200), or demonstrate equivalent Red Hat Enterprise Linux knowledge and experience.
- Take our free assessment to gauge whether this offering is the best fit for your skills.

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

- EX294 - Red Hat Certified Engineer (RHCE) exam for Red Hat Enterprise Linux 8
- DO447 - Automatisation avancée : Meilleures pratiques avec Ansible

## Contenu:

Introduce Ansible

Describe the fundamental concepts of Red Hat Ansible Automation Platform and how it is used, and install Red Hat Ansible Automation Platform.

Implement an Ansible playbook

Create an inventory of managed hosts, write a simple Ansible playbook, and run the playbook to automate tasks on those hosts.

Manage variables and facts

Write playbooks that use variables to simplify management of the playbook and facts to reference information about managed hosts.

Implement task control

Manage task control, handlers, and task errors in Ansible Playbooks.

Deploy files to managed hosts

Deploy, manage, and adjust files on hosts managed by Ansible.

Manage complex plays and playbooks

Write playbooks that are optimized for larger, more complex plays and playbooks.

Simplify playbooks with roles

Use Ansible roles to develop playbooks more quickly and to reuse Ansible code.

Troubleshoot Ansible

Troubleshoot playbooks and managed hosts.

Automate Linux administration tasks

Automate common Linux system administration tasks with Ansible.

## Méthodes pédagogiques :

Learn how to automate Linux system administration tasks with Red Hat Ansible Automation Platform
Red Hat Enterprise Linux Automation with Ansible (RH294) is designed for Linux administrators and developers who need to automate repeatable and error-prone steps for system provisioning, configuration, application deployment, and orchestration.
This course is based on Red Hat® Enterprise Linux® 9 and Red Hat Ansible Automation Platform 2.2.
Following course completion, you will receive a 45-day extended access to hands-on labs for any 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.

## Autres moyens pédagogiques et de suivi:

• Compétence du formateur : Les experts qui animent la formation sont des spécialistes des matières abordées et ont au minimum cinq ans d'expérience d'animation. Nos équipes ont validé à la fois leurs connaissances techniques (certifications le cas échéant) ainsi que leur compétence pédagogique.
• Suivi d'exécution : Une feuille d'émargement par demi-journée de présence est signée par tous les participants et le formateur.
• En fin de formation, le participant est invité à s’auto-évaluer sur l’atteinte des objectifs énoncés, et à répondre à un questionnaire de satisfaction qui sera ensuite étudié par nos équipes pédagogiques en vue de maintenir et d'améliorer la qualité de nos prestations.

Délais d’inscription :

• Vous pouvez vous inscrire sur l’une de nos sessions planifiées en inter-entreprises jusqu’à 5 jours ouvrés avant le début de la formation sous réserve de disponibilité de places et de labs le cas échéant.
• Votre place sera confirmée à la réception d'un devis ou """"booking form""""" signé. Vous recevrez ensuite la convocation et les modalités d'accès en présentiel ou distanciel.
• Attention, si cette formation est éligible au Compte Personnel de Formation, vous devrez respecter un délai minimum et non négociable fixé à 11 jours ouvrés avant le début de la session pour vous inscrire via moncompteformation.gouv.fr.

Accueil des bénéficiaires :

• En cas de handicap : plus d’info sur globalknowledge.fr/handicap
• Le Règlement intérieur est disponible sur globalknowledge.fr/reglement