



## RH294 – Red Hat Enterprise Linux Automation with Ansible

Red Hat

- **Nível:** Avançado
  - **Duração:** 30h
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### Sobre o curso

#### Learn how to automate Linux system administration tasks with Ansible

Red Hat System Administration III: Linux Automation (RH294) is designed for Linux® system administrators and developers who need to automate provisioning, configuration, application deployment, and orchestration. You will learn how to install and configure Ansible® on a management workstation; prepare managed hosts for automation; write Ansible Playbooks to automate tasks; and run playbooks to ensure servers are correctly deployed and configured.

This course is based on Red Hat® Enterprise Linux 8 and Red Hat® Ansible Engine 2.8.

Este curso também está disponível no formato E-learning. Para mais informações acesse o link: [Red Hat System Administration III: Linux Automation with Ansible Online \(e-Learning\)](#)

#### Objetivos

- Install Ansible / Red Hat Ansible Engine 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 with Ansible Vault.
  - Reuse code and simplify playbook development with Ansible roles.
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### Destinatários

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

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## Pré-requisitos

Pass the [Red Hat Certified System Administrator \(RHCSA\) exam \(EX200\)](#), or demonstrate equivalent Red Hat Enterprise Linux knowledge and experience

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## Programa

- Introduce Ansible
- Deploy Ansible
- Implement playbooks
- Manage variables and facts
- Implement task control
- Deploy files to managed hosts
- Manage large projects
- Simplify playbooks with roles
- Troubleshoot Ansible
- Automate Linux administration tasks

**Note:** Course outline is subject to change with technology advances and as the nature of the underlying job evolves.

### **Introduce Ansible**

Describe Ansible concepts and install Red Hat Ansible Engine.

### **Deploy Ansible**

Configure Ansible to manage hosts and run ad hoc Ansible commands.

### **Implement playbooks**

Write a simple Ansible Playbook and run it to automate tasks on multiple managed 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 large projects**

Write playbooks that are optimized for larger, more complex projects.

## **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.

**Note:** Course outline is subject to change with technology advances and as the nature of the underlying job evolves.