

# Red Hat Enterprise Linux Automation with Ansible and Exam («RH295»)

Take this course and pass the exam EX294 to become a Red Hat Certified Engineer !

**Duration:** 5 days

**Price:** 4'050.–

## Content

Red Hat Enterprise Linux Automation with Ansible and Exam (RH295) is designed for Linux® system administrators and developers who need to learn and validate how to automate provisioning, configuration, application deployment, and orchestration. You will prove your ability 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.

- **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.

## Key Learnings

- 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

## Target audience

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

## Certification

The [Red Hat Certified Engineer \(RHCE\) exam for Red Hat Enterprise Linux 8 \(EX294\)](#) is included in this offering. This offering is based on Red Hat® Enterprise Linux 8 and Red Hat Ansible Engine 2.8.

## Any questions?

We are happy to advise you on +41 44 447 21 21 or [info@digicomp.ch](mailto:info@digicomp.ch). You can find detailed information about dates on [www.digicomp.ch/courses-digital-transformation-technologies/cloud/red-hat/red-hat-enterprise-linux/course-red-hat-enterprise-linux-automation-with-ansible-and-exam](http://www.digicomp.ch/courses-digital-transformation-technologies/cloud/red-hat/red-hat-enterprise-linux/course-red-hat-enterprise-linux-automation-with-ansible-and-exam)