Red Hat Enterprise Linux Automation with Ansible («RH294»)

As a result of attending this course, you will be able to use Ansible for the purpose of automation, configuration, and management.

Duration: 4 days
Price: 3'650.–
Vendor code: RH294

Content

Red Hat Enterprise Linux Automation with Ansible and Exam (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.

Content

Introduction to 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

- Installing Ansible / Red Hat Ansible Engine on control nodes
- Creating and updating inventories of managed hosts and manage connections to them
- Automating administration tasks with Ansible Playbooks and ad hoc commands
- Writing effective playbooks at scale
- Protecting sensitive data used by Ansible with Ansible Vault
- Reusing code and simplifying 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

Requirements

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

- RHCSA Rapid Track with RHCSA exam («RH200»)

Further courses

- Red Hat Certified Engineer (RHCE) («EX294»)
- Developing Advanced Automation with Red Hat Ansible Automation Platform («DO374»)
- Red Hat Certified Specialist in Advanced Automation: Ansible Best Practices Exam («EX447»)

Any questions?

We are happy to advise you on +41 44 447 21 21 or info@digicomp.ch. You can find detailed information about dates on www.digicomp.ch/courses-digital-transformation-technologies/cloud/course-red-hat-enterprise-linux-automation-with-ansible-rh294