

Training: Red Hat
DO407 Automation with Ansible I

FORM OF TRAINING	MATERIALS	PRICE	DURATION
Traditional	Hardcopy	2250 EUR	4 days
Traditional	CTAB Tablet	2350 EUR	4 days

LOCATIONS

Krakow - 5 Tatarska Street, II floor, hours: 9:00 am - 4:00 pm

Warsaw - 17 Bielska Street, hours: 9:00 am - 4:00 pm

TRAINING GOALS:

Learn to write and manage Ansible playbooks and automate system administration tools

Automation with Ansible I (DO407) is designed for system administrators who are intending to use Ansible for automation, configuration, and management. Learn how to install and configure Ansible, create and run playbooks to configure systems, and learn to manage inventories.

This course is based on Red Hat® Enterprise Linux® 7.3 and Ansible 2.3.

Audience for this course:

- System and cloud administrators who need to automate cloud provisioning, configuration management, application deployment, intra-service orchestration, and other IT needs.

CONSPECT:

- Course introduction
 - Introduce and review the course.
- Introduce Ansible
 - Describe the terminology and architecture of Ansible.
- Deploy Ansible
 - Install Ansible and run ad hoc commands.
- Implement playbooks
 - Write Ansible plays and execute a playbook.
- Manage variables and inclusions
 - Describe variable scope and precedence, manage variables and facts in a play, and

manage inclusions.

- Implement task control
 - Manage task control, handlers, and tags in Ansible playbooks.
- Implement Jinja2 templates
 - Implement a Jinja2 template.
- Implement roles
 - Create and manage roles.
- Configure complex playbooks
 - Configure connection types, delegations, and parallelism.
- Implement Ansible Vault
 - Manage encryption with Ansible Vault.
- Troubleshoot Ansible
 - Troubleshoot the Ansible control machine and managed nodes.
- Implement Ansible Tower
 - Implement Ansible Tower.
- Implement Ansible in a DevOps environment
 - Implement Ansible in a DevOps environment using Vagrant.
- Comprehensive review
 - Review tasks from the Automation with Ansible course.

REQUIREMENTS:

- Red Hat recommends these prerequisites:
 - Have a [Red Hat Certified System Administrator \(RHCSA\)](#) **certification** or equivalent experience.

Difficulty level



CERTIFICATE:

Participants will obtain certificates signed by Red Hat.

TRAINER:

Red Hat Certified Instructor.

ADDITIONAL INFORMATION:

Recommended next exam or course:

- [EX407 Red Hat Certificate of Expertise in Ansible Automation exam](#)
- [DO409 Automation with Ansible II: Ansible Tower](#)