

## Automation with Ansible I (DO407)

- **Formato do curso:** Presencial
- **Localidade:** Porto
- **Data:** 24 Fev. 2020 a 28 Fev. 2020
- **Preço:** 2160€
- **Horário:** Laboral - das 09h00 às 17h00
- **Duração:** 27 horas

Through hands-on labs, students will learn to automate system administration tasks on managed hosts with Ansible, learn how to write Ansible playbooks to standardize task execution, centrally manage playbooks and schedule recurring execution through a web interface with Ansible Tower. Students will also learn to manage encryption for Ansible with Ansible Vault, deploy Ansible Tower and use it to manage systems, and use Ansible in a DevOps environment with Vagrant.

### Course content summary

- Install and troubleshoot Ansible on central nodes and managed hosts
- Use Ansible to run ad-hoc commands and playbooks to automate tasks
- Write effective Ansible playbooks
- Protect encrypted data needed for tasks with Ansible Vault
- Use Ansible Tower to more easily manage enterprise Ansible deployments
- Work with Ansible in conjunction with Vagrant in a DevOps environment

## Diagnóstico de Competências

Teste previamente os seus conhecimentos, ou os da sua equipa, em:

- Red Hat Satellite
- Ansible
- RH JBoss Enterprise Application Platform
- RH Gluster Storage
- RH OpenShift
- RH OpenStack Platform
- RH Enterprise Linux 7
- RH Fuse
- RH Camel
- RH AMQ
- RH Ceph Storage
- RH Identify Management

- RH Enterprise Linux 8

[Aceda aqui ao diagnóstico!](#)

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## Destinatários

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

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## Pré-requisitos

- Have a [Red Hat Certified System Administrator \(RHCSA\) certification](#) or equivalent experience.
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## Objetivos

As a result of attending this course, students should be able to implement Ansible for the purpose of automation, configuration, and management in a DevOps environment.

Students should be able to demonstrate the following skills:

- Use Ansible to automate system administration tasks on managed hosts.
  - Write Ansible Playbooks to standardize task executions.
  - Manage playbook execution centrally, using Ansible Tower.
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## Programa

- Course introduction
- Introduce Ansible
- Deploy Ansible
- Implement playbooks
- Manage variables and inclusions
- Implement task control
- Implement Jinja2 templates
- Implement roles
- Configure complex playbooks
- Implement Ansible Vault
- Troubleshoot Ansible
- Implement Ansible Tower
- Implement Ansible in a DevOps environment
- Comprehensive review