

## Configuration Management with Puppet (DO405)

- **Formato do curso:** Presencial e Live Training
- **Localidade:** Live Training
- **Data:** 08 Fev. 2021 a 12 Fev. 2021
- **Preço:** 2160€
- **Horário:** Laboral - das 9h00 às 15h00
- **Duração:** 27 horas

This course will cover case studies involving Red Hat products that use Puppet: Red Hat Enterprise Linux OpenStack® Platform and Red Hat Satellite. Key Puppet concepts will be introduced, including language constructs, modules, classes, and resources. This course will cover the deployment of Puppet server on Red Hat Enterprise Linux and the deployment of Puppet as a client.

### Course content summary

- Write Puppet manifests that utilize a variety of Puppet DSL resources.
- Deploy a GIT repository and use it to maintain Puppet modules.
- Write Puppet modules that deploy and configure network services.
- Configure a Puppet master and client nodes.
- Implement Puppet configuration management in a DevOps environment.
- Use Red Hat Satellite 6 to manage client configurations with Puppet.

## 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 Identity Management
- RH Enterprise Linux 8

[Aceda aqui ao diagnóstico!](#)

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## Destinatários

System administrators and cloud administrators responsible for the management of systems and cloud client systems on either Red Hat Enterprise Linux OpenStack Platform or Red Hat Satellite

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## Pré-requisitos

Have received an [Red Hat Certified Engineer \(RHCE®\)](#) certification or have equivalent experience

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## Objetivos

As a result of attending this course, students should be able to implement Puppet in an operations or cloud computing environment. Students should be able to demonstrate the following skills:

- Compose Puppet manifests using a variety of Puppet DSL resources.
  - Author Puppet modules for deployment and configuration of network services.
  - Implement Puppet master and client nodes.
  - Use Red Hat Satellite 6 to manage system configuration using Puppet.
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## Programa

- Course introduction
- Identify system administration functions in Puppet
- Puppet architecture
- Implement a Puppet manifest
- Troubleshoot Puppet manifests
- Implement Git
- Find information with Facter
- Implement Puppet modules
- Implement relationships in a Puppet module
- Implement variables and conditionals in a Puppet module
- Identify advanced system administration functions in Puppet
- Implement Puppet
- Implement external Puppet modules
- Implement Puppet in a DevOps environment
- Implement Puppet in Red Hat Satellite 6