
Configuration Management with Puppet

Duration: 4 Days Course Code: DO405

Overview:

Configuration Management with Puppet (DO405) is designed for system administrators and cloud administrators who intend to implement Puppet as integrated with Red Hat® products in an operations environment or a cloud computing environment.

This course is on Red Hat Enterprise Linux® 7 and Red Hat Satellite 6.

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.

Target Audience:

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.

Objectives:

- 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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Prerequisites:

- Certified as a Red Hat Certified Engineer (RHCE®) or have equivalent experience

Testing and Certification

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Content:

Course introduction	Implement Git	Identify advanced system administration functions in Puppet
Introduction to the course.	Implement Git to manage software.	Identify advanced system administration functions in Puppet code.
Identify system administration functions in Puppet	Find information with Facter	Implement Puppet
Identify system administration functions in Puppet code.	View information about systems using Facter.	Deploy and configure a Puppet master and a Puppet client.
Puppet architecture	Implement Puppet modules	Implement external Puppet modules
Describe the Puppet architecture and describe a state model.	Create Puppet modules and implement classes in a manifest.	Implement Puppet modules from Puppet Forge.
Implement a Puppet manifest	Implement relationships in a Puppet module	Implement Puppet in a DevOps environment
Build, validate, and deploy a Puppet manifest.	Implement namespaces, relationships, and dependencies in a Puppet module.	Implement Puppet in a DevOps environment.
Troubleshoot Puppet manifests	Implement variables and conditionals in a Puppet module	Implement Puppet in Red Hat Satellite 6
Find documentation and diagnose errors in Puppet manifests.	Implement variables and conditionals in a Puppet module.	Implement Puppet in a Red Hat Satellite 6 environment.

Additional Information:

Red Hat Learning Subscriptions:

The Red Hat Learning Subscription is an exclusive program that provides users with 12-months access to all Red Hat Online Learning and video classroom courses. All subscribers will receive unlimited access to online learning content, up to 400 hours of hands-on lab time and more than 300 recorded instructor videos.

There are two versions available: Basic and Standard. These are also available in an Enterprise variant for large companies. The Standard is the most extensive subscription and offers access to Red Hat exams as an extra.

For more information please see LS120 and LS220 below

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Further Information:

For More information, or to book your course, please call us on Head Office 01189 123456 / Northern Office 0113 242 5931

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