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Sign up

Puppet-Data Code training

1 day (7 hours)

Presentation

Our Puppet Data Code training course is aimed at companies looking to automate their server configuration using Puppet Data Code. It is aimed at system administrators and developers wishing to optimize their infrastructure by automating server configuration. Puppet Data Code is an open source solution for automating server configuration using Puppet code files. It lets you configure files, services, packages and parameters, while offering centralized management and reduced configuration time. In this course, you'll learn how to configure files, services, packages and settings with Puppet Data Code. You'll also learn how to use [existing Puppet modules](#) to automate the configuration of your servers. As with all our training courses, this one will introduce you to the latest stable release ([Puppet 8.0](#) at the time of writing).

Objectives

- Understand the fundamentals.
- Use Puppet-Data Code to automate server configuration.
- Configure files, services, packages and parameters.
- Use existing modules to automate server configuration.

Target audience

- Developers
- System administrators

Prerequisites

- Basic knowledge of a Unix/Linux system, basic scripting/shell skills
- Basic knowledge of system administration and IT development.

- Learn the basics of object-oriented programming
- Previous experience with deployment tools

Our Puppet Data Code training program

Introduction to Puppet Data Code

- Understanding the fundamentals
- Understanding the importance of infrastructure
- Use to automate server configuration

Using Puppet Data Code

- Configuring the development environment
 - Roles
 - Profiles
- Structured files
- The classes
- The resources
- Resource types
- Custom resource types
- Create and manage files
- Create and manage services
- Managing packages
- Parameter settings
- Use of existing modules (Puppet Forge)

Deployment

- Puppet Data Code deployment process
- Different deployment environments
- Create and manage environments
- Understanding how nodes are configured and classified
- Error management

Advanced configuration

- Using templates
- Function definitions
- Class parameters
- Using indicators
- File configuration with external sources
- Using flow control functions

- Data separation (HIERA)

Companies concerned

This training course is aimed at both individuals and companies, large or small, wishing to train their teams in a new advanced computer technology, or to acquire specific business knowledge or modern methods.

Positioning on entry to training

Positioning at the start of training complies with Qualiopi quality criteria. As soon as registration is finalized, the learner receives a self-assessment questionnaire which enables us to assess his or her estimated level of proficiency in different types of technology, as well as his or her expectations and personal objectives for the training to come, within the limits imposed by the selected format. This questionnaire also enables us to anticipate any connection or security difficulties within the company (intra-company or virtual classroom) which could be problematic for the follow-up and smooth running of the training session.

Teaching methods

Practical course: 60% Practical, 40% Theory. Training material distributed in digital format to all participants.

Organization

The course alternates theoretical input from the trainer, supported by examples, with brainstorming sessions and group work.

Validation

At the end of the session, a multiple-choice questionnaire verifies the correct acquisition of skills.

Sanction

A certificate will be issued to each trainee who completes the course.