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Sign up

Spinnaker training: Optimize your deployments

2 days (14 hours)

Presentation

Our Spinnaker training will enable you to orchestrate and automate your deployment processes. Spinnaker offers advanced pipeline management for secure, reliable deployments.

Spinnaker enables you to create flexible deployment pipelines, manage multi-cloud deployments and guarantee high application availability. With Spinnaker, you can optimize your development cycles and reduce deployment risks.

In this course, you'll learn how to install, configure and use Spinnaker for successful deployments.

You'll discover best practices for creating efficient pipelines, automating your deployments and integrating Spinnaker into your DevOps workflow.

As with all our training courses, this one will introduce you to the latest Spinnaker resources.

Objectives

- Understanding the fundamentals of Spinnaker
- Master the installation and configuration of Spinnaker on a Kubernetes cluster
- Create efficient deployment pipelines using Spinnaker
- Apply advanced deployment strategies

Target audience

- System administrators

- Developers
- DevOps engineers

Prerequisites

Basic knowledge of infrastructure management and deployment concepts is recommended.

Spinnaker training program

Introduction to Spinnaker

- Introducing Spinnaker
- History and development
- Advantages of using Spinnaker
- Common applications

Spinnaker installation

- Installation requirements
- Installing Spinnaker on Kubernetes
- Spinnaker configuration
- Installation check

Understanding fundamental concepts

- Spinnaker deployment model
- Applications
- Stacks
- Clusters
- Pipelines and deployment
- Version management

Pipeline creation

- Creation of an initial pipeline
- Adding internships to the pipeline
- Trigger parameters
- Flow control and conditions
- Automated pipeline testing

Advanced deployments with Spinnaker

- Deployment strategies
- Canary deployments
- Blue-Green deployments
- Rolling deployments
- Version promotion

Integrating Spinnaker into a DevOps workflow

- Using Spinnaker with Jenkins
- Spinnaker integration with Git
- Deployment automation
- Monitoring and reporting
- Security and access management

Best practices

- Error handling and rollback
- Managing secrets and sensitive configurations
- Spinnaker scaling
- Advanced use of Spinnaker
  - Customized courses
  - Using other Cloud Providers
  - Extensions and plugins
  - Developing your own courses

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 inputs from the trainer supported by examples and

brainstorming sessions and group work.

Validation

At the end of the session, a multiple-choice questionnaire is used to check that skills have been correctly acquired.

Sanction

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