

Updated on 27/02/2025

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Platform.sh training: Deploying your Web Applications

2 days (14 hours)

Presentation

Our Platform.sh training course will teach you how to master this PaaS fully designed to deploy and manage your web applications. Fully automated and flexible, Platform.sh is the most popular cloud solution among developers.

The course will familiarize you with the platform.sh integration, its environment and deployment with Git. You'll learn about the main security features, from SSL certificate configuration to maintenance automation. You'll also learn how to design, deploy and optimize a complete project with Platform.sh.

In this training course, you'll gain both theoretical and practical skills for deploying your projects. Our training courses are designed to give you maximum operational skills.

As with all our training courses, it will cover the latest versions of the following tools: [Platform.sh](#)

Objectives

- Understanding creation and deployment with Platform.sh
- Learn how to manage your environment and set up a Git workflow
- Configure, secure and manage with Platform.sh
- Case studies

Target audience

- **DevOps**
- Cloud architects
- Developers

Prerequisites

- account with access to Platform.sh

Platform.sh training program

Introduction to Platform.sh

- Introduction to Platform.sh and key concepts
- Understanding PaaS
- Identify the advantages and benefits for your web projects
- Analyze concrete examples of successful implementations
- Understanding Platform.sh architecture and concepts

Preparing and setting up the environment

- Creating and configuring your account on Platform.sh
- Install and configure CLI to optimize its use
- Deployment with Git
- Project configuration via web interface and command line
- Use of different interface functions
- Testing and validation of initial environment setup

Environment management and Git workflow

- Creating cloneable environments
 - test
 - preprod
 - prod
- Setting up a Git workflow
- Application of merge and continuous deployment best practices
- Efficient management of environment creation and deletion
- Rollback strategy in case of error or bug

Advanced configuration and optimization of Platform.sh

- File configuration
 - platform.app.yaml
 - services.yaml
- integration and management
- application performance optimization
- automatic scalability and traffic management
- monitoring and logging configurations
- use diagnostics to solve performance and configuration problems

Safety and Maintenance

- Applying best security practices with Platform.sh
- Configuring SSL certificates
- implementation of log monitoring
- alerting and notifications
- Automated infrastructure updates and maintenance
- Backup and disaster recovery

Case studies and final project

- Design a complete application architecture on Platform.sh
- Integration of all modules
- Deploy and manage the application infrastructure in real-life conditions
- Optimization and adjustment
- Analysis of feedback and planning of areas for continuous improvement

Companies concerned

This 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 enabling 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 with regard to 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, 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.