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Sign up

Sonarqube training: Code analysis, security and quality tool

3 days (21 hours)

Presentation

Our Sonarqube training course will teach you how to use this automatic code review tool to help you deliver clean code, analyzing and detecting any defects in your code so you can fix them.

The training course will familiarize you with this tool, so that your development team has a code quality and security technology that will fit into your company's environment.

In this course, you'll learn how to integrate it into various [DevOps platforms](#). It's easy to integrate with GitHub, GitLab, Azure and Bitbucket.

The tool will integrate into your workflow and detect problems in your code to help you carry out continuous code inspections of your projects.

As with all our training courses, this one will highlight the [latest advances](#) in this technology, ensuring that you are always up to date with the tool's new features.

Objectives

- Master Sonarqube
- Integrate on different DevOps platforms
- Mastering project management

Target audience

Developers.

Prerequisites

Basic programming skills.

Sonarqube training program

Introduction to Sonarqube

- Tool initiation
- Features
- Use cases

Configuration and upgrade

- Server installation
- Server configuration and operation
- Installing a plugin
- Configuring and operating a cluster
- Deployment on Kubernetes
- Server refresh
- Troubleshooting

Source code analysis

- Scanners
- Analysis parameters
- Test coverage
- Importing external problems
- Background stains
- Analysis of print requests
- Branches
- CI integration
- GDS integration
- Custom configuration of the security engine
- Scanner environment

DevOps platform integration

- Bitbucket integration
- Azure DevOps integration
- GitHub integration
- GitLab integration

Project management

- Creating and importing projects
- Portfolio management
- Application management
- Project history management
- Scope of analysis
- Project parameters
- Webhooks

Instance administration

- **Quality profiles**
- Security
- Authentication and procurement
- Plugin version matrix
- Project relocation
- Calculation engine performance
- SonarQube database copy tool
- Audit logs
- Backup and restoration
- Telemetry

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 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 is used to check correct acquisition.

skills.

Sanction

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