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Register

Trae training: L'IDE IA First

2 days (14 hours)

Overview

Trae is a next-generation development environment designed around an AI-First approach.

Unlike traditional editors enhanced with extensions, Trae integrates intelligent agents capable of understanding a project as a whole, planning complex tasks, and generating multi-file code autonomously.

Our Trae training will enable you to master the mechanisms of an IDE enhanced by generative AI and integrate these agents into a professional workflow.

You will learn how to use SOLO mode, automate feature generation, optimize your refactorings, and secure AI-generated code.

At the end of this training course, you will be able to industrialize the use of Trae within a technical team and measure its impact on performance and productivity.

Like all our training courses, this one will introduce you to **the latest stable version** of the technology and its new features.

Objectives

- Understand how an AI-First IDE works.
- Leverage Trae's intelligent agents.
- Automate code generation and refactoring.
- Integrate Trae into a Git and CI/CD workflow.
- Industrialize the use of AI in a technical team.

Target audience

- Full-stack developers
- Tech leads
- Technical engineering managers

Prerequisites

- Proficiency in a programming language
- Knowledge of Git
- Experience in application development

Trae training: Developing with a New Generation AI IDE

[Day 1 - Morning]

Understanding Trae's AI-First architecture

- Positioning an AI-First IDE
- Difference between code assistant and intelligent agent
- How integrated LLMs work
- Conversational interaction with code
- Overall architecture of the Trae environment
- Hands-on workshop: Installation and comprehensive introduction to the Trae environment.

[Day 1 - Afternoon]

Intelligent agents and SOLO mode

- Understanding autonomous agents
- How SOLO mode works
- Automatic planning of complex tasks
- Multi-file generation and assisted refactoring
- Automatic execution and validation
- Hands-on workshop: Developing a complete feature using an autonomous agent.

Increased developer productivity

- Contextual code generation
- Intelligent refactoring and optimization
- Automated documentation and comments
- Unit test generation and correction
- Error analysis and guided correction
- Hands-on workshop: Improving an existing project with full AI assistance.

[Day 2 - Morning]

Integration into a professional workflow

- Integration with Git and version management
- Interaction with the integrated terminal
- Team collaboration with AI
- Branch management and assisted code review
- Integration into a CI/CD pipeline
- Hands-on workshop: Setting up a complete Git workflow with AI assistance.

[Day 2 - Afternoon] Governance,

security, and limitations

- Understanding the limitations of LLMs
- Securing generated code
- Human validation and supervision
- Dependency management and compliance
- Best practices for enterprise use

Industrialization and adoption strategy

- Identifying high-value use cases
- Deploy Trae in a technical team
- Measuring the impact on developer productivity
- Change management
- Roadmap for gradual integration
- Hands-on workshop: Developing a Trae adoption plan for a team.

Companies concerned

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

Positioning at the start of training

The positioning at the start of the training complies with Qualiopi quality criteria. Upon final registration, the learner receives a self-assessment questionnaire that allows us to assess their estimated level of proficiency in different types of technologies, as well as their expectations and personal objectives for the upcoming training, within the limits imposed by the selected format. This questionnaire also allows us to anticipate certain connection or internal security issues within the company (intra-company or virtual classroom) that could be problematic for the monitoring and smooth running of the training session.

Teaching methods

Practical training: 60% practical, 40% theory. Training materials distributed in digital format to all participants.

Organization

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

Assessment

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

Certification

A certificate will be issued to each trainee who has completed the entire training course.