AMBIENT-IT

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Register

Zed Training

2 days (14 hours)

Overview

Zed is a next-generation native code editor designed for performance, real-time collaboration, and advanced artificial intelligence integration. Written in Rust, it takes full advantage of modern architectures by efficiently utilizing multi-core CPUs and GPUs, providing a fast and fluid editing experience on macOS, Linux, and Windows.

Our Zed training will enable you to master the editor as a whole, with a particular focus on Zed AI, the set of LLMs-assisted editing features integrated natively. You will learn how to use agentic editing via the Agent Panel, speed up code writing with editing prediction, and perform targeted transformations directly in the editor with the Inline Assistant.

The training also covers the integration of different language models (hosted, BYOK, or local), extending Zed's capabilities with the Model Context Protocol (MCP), and best practices for security, control, and governance. By the end of this training, you will be able to integrate Zed and Zed AI effectively and confidently into your development projects.

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

Objectives

- Understand the architecture and philosophy of Zed.
- Effectively leverage the features of Zed AI.
- Speed up and improve the reliability of code editing with AI.
- Integrate different LLMs and external tools via MCP.
- Implement security and governance practices.

Target audience

- Developers
- Software engineers
- Technical profiles wishing to modernize their development environment

Prerequisites

- Good command of at least one programming language
- Experience with a code editor
- Familiarity with AI tools for development

Zed training

[Days 1 - Morning]

Zed: native editor, performance, and collaboration

- Introduction to Zed and its Rust architecture
- Leveraging multi-core CPUs and GPUs
- Differences from traditional editors
- Integrated real-time collaboration
- Product vision and ecosystem
- Hands-on workshop: Installing and getting started with Zed.

[Day 1 - Afternoon] Zed

AI and Agentic Editing

- Presentation of Zed AI
- Using the Agent Panel
- Understanding AI-assisted codebase
- Principle of tool calling
- Controlling agentic actions
- Hands-on workshop: Agent editing on a real project.

Edit Prediction: intelligent completion

- How editing prediction works
- Inline suggestions and acceptance
- Zeta model
- Alternative providers
- Relevance optimization
- Hands-on workshop: Comparing providers.

[Day 2 - Morning]

Inline Assistant and code transformations

- Code transformations directly in the editor
- Manual prompting and fine control
- Context management with @mentions
- Multi-variants and navigation
- Refactoring and documentation
- Hands-on workshop: Refactoring existing code.

[Day 2 - Afternoon]

Text threads and conversational workflows

- Introduction to text threads
- Structured conversational editing
- Suitable use cases
- Limitations without tool calling
- Choosing the right interaction mode
- Hands-on workshop: AI-assisted writing.

Models, integrations, and governance

- Hosted models and BYOK
- Local models via Ollama
- API key security
- Introduction to MCP
- Governance and AI deactivation
- Hands-on workshop: MCP and external LLM integration.

Target companies

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, learners receive 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.