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Open Interpreter Training

2 days (14 hours)

Overview

Open Interpreter is an AI agent that can be used from the terminal to read, modify, and execute actions in your projects. Thanks to language models, system tools, and validation mechanisms, it allows you to automate technical tasks with full control.

Our Open Interpreter training will help you get up to speed with this environment so you can effectively delegate development, file analysis, and automation tasks to a conversational agent.

You'll learn how to install and configure Open Interpreter, connect to a hosted or local model, formulate precise instructions, and manage sessions from the command line.

By the end of the training, you'll be able to design AI-assisted workflows, generate and verify code, manipulate files, and oversee the execution of generated commands.

This training also covers sandboxes, approval requests, configuration profiles, MCP connectors, and the security best practices necessary for reliable use in a professional environment.

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

Objectives

- Install and configure Open Interpreter in a work environment

- Connect to and select a language model suited to the tasks at hand
- Write effective instructions to automate technical operations
- Use sessions, context files, and non-interactive commands
- Configure sandboxes and validations to secure executions
- Implement reproducible workflows with MCP and reusable skills

Target Audience

- Software developer
- DevOps Engineer
- System administrator
- Data Analyst
- IT Project Manager

Prerequisites

- Knowledge of the fundamentals of generative AI and LLMs
- Be comfortable using a computer, working with files, and using technical applications
- Basic understanding of the command line and scripting
- Some experience in development or automation is recommended

Technical Prerequisites

- Access to an Open Interpreter environment dedicated to training
- Access to a compatible LLM model, either locally or via a provider configured for the workshops
- Sufficient permissions to execute commands, manipulate files, and run the scripts required for the exercises
- Access to a terminal and an isolated workspace for testing the actions generated by the agent
- Access to MCP servers, tools, and external resources used during hands-on exercises

Our Open Interpreter Training Program

[Day 1 - Morning]

Discover the AI agent in the terminal

- Open Interpreter's role in AI automation and development support.
- General architecture: agent, language model, tools, terminal, workspace, and .
- Installation, startup, and getting started with the interactive CLI interface.
- Connecting to a hosted or local model, choosing a provider, and selection criteria based on use cases.

- Structuring requests: objective, context, constraints, validation criteria, and breaking down the task into steps.
- Hands-on workshop: install Open Interpreter, connect to a model, and complete a guided initial task in a working folder.

[Day 1 – Afternoon]

Managing actions and ensuring secure execution

- Understanding the execution cycle: request analysis, scheduling, command generation, and result output.
- Manipulate files, generate code, run scripts, and interpret execution output.
- Use the read-only, workspace-write, and danger-full-access modes.
- Configure approval policies, control sensitive operations, and respond to unexpected actions.
- Apply security rules: scope of work, secrets, sensitive data, traceability, and review of changes.
- Hands-on workshop: Automate the analysis and reorganization of a set of files in a sandboxed environment, then validate the proposed changes.

[Day 2 - Morning]

Build reproducible workflows

- Manage the project context with AGENTS.md, persistent instructions, and team conventions.
- Leverage sessions, resume a previous session, and isolate work variants.
- Use configuration profiles to tailor the model, reasoning level, sandbox, and validations to each scenario.
- Run non-interactive requests with `exec` to integrate the agent into .
- Design robust instructions for code generation, code review, diagnostics, and fixing simple issues.
- Hands-on workshop: Create a code review profile and run a workflow for diagnosing, fixing, and change control on a sample project.

[Day 2 - Afternoon]

Extending and Industrializing Open Interpreter

- Discover the MCP protocol and its role in connecting external tools and resources.
- Configure and use MCP servers in a controlled environment.
- Structure reusable skills to leverage procedures, controls, and task sequences.
- Choose between on-premises and hosted models based on confidentiality, cost, performance, and the expected quality.

- Prepare for scaling: sample testing, human supervision, logging, and acceptance criteria.
- Hands-on workshop: Design a mini-business workflow combining project context, a secure profile, and MCP tool, then present your validation strategy.

Target Audience

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

Entry-Level Assessment

The pre-training assessment complies with Qualiopi quality standards. Upon final registration, the learner receives a self-assessment questionnaire that allows us to evaluate their estimated proficiency level across various types of technologies, as well as their expectations and personal goals 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 pose challenges for monitoring and ensuring the smooth operation of the training session.

Teaching Methods

Hands-On Training: 60% Practical, 40% Theoretical. Training materials distributed in digital format to all participants.

Organization

The course alternates between theoretical input from the instructor—supported by examples and reflection sessions—and group work.

Assessment

At the end of the session, a multiple-choice quiz is administered to verify that participants have successfully acquired the skills.

Certification

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