

Updated on September 10, 2026

Sign Up

Agent Zero Training

2 days (14 hours)

Overview

Agent Zero is an AI agent framework that enables the design of autonomous assistants capable of utilizing tools, a browser, a Linux environment, and project storage to perform complex tasks.

Our Agent Zero training will enable you to master the implementation of autonomous AI agents in a controlled environment. You'll learn how to configure models, access permissions, and workspaces to transform business requests into executable workflows.

You'll discover how to structure effective instructions, leverage projects, organize files, and manage available tools. The training also covers memory management to maintain relevant context and improve the continuity of interactions.

By the end of the training, you will be able to connect Agent Zero to external services via MCP and APIs, schedule automations, and monitor the actions performed by your agents. You will know how to define access rights, the data being processed, and the necessary validations.

Finally, this training covers best practices for security, traceability, and reliability. You will put into practice mechanisms for testing, verifying results, and continuous improvement in order to deploy assistants tailored for professional use.

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 Agent Zero with the appropriate templates and access permissions
- Design precise and reusable agent instructions
- Manage projects, files, tools, and memory in a structured manner
- Connect external services using MCP and APIs
- Build and monitor reliable and secure AI automations

Target Audience

- AI Developer
- Automation Engineer
- AI Project Manager
- Digital Transformation Consultant
- System Administrator

Prerequisites

- Familiarity with the fundamentals of generative AI and large language models (LLMs)
- Be comfortable using IT tools and web applications
- Basic command-line skills are recommended

Technical Prerequisites

- A computer capable of running a modern web browser
- Stable internet connection to access the lab environment
- Agent Zero environment required for the workshops will be provided during the training

Agent Zero Training Curriculum

[Day 1 - Morning]

Agent Zero Fundamentals and Environment

- Agent Zero's Position in the AI Agent Ecosystem and Professional Use Cases
- General architecture, isolated environment, built-in browser, and Linux environment
- Installation with Docker or the launcher, accessing the interface, and data persistence
- Configuring language models, providers, and essential settings
- Getting started with the interface, conversations, attachments, and workspaces
- Hands-on workshop: Install or set up an Agent Zero instance, configure a model, and complete a guided introductory task

[Day 1 - Afternoon]

Designing agents and managing their tools

- Principles of an agent instruction: objective, context, constraints, deliverables, and validation criteria
- Structuring interactions with agent profiles, persistent instructions, and variables
- Using tools: web browsing, files, terminal, code execution, and remote desktop
- Managing complex requests: breaking them down, iterations, intermediate checks, and final summary
- Limits of autonomy: human supervision, confirmations, and prevention of unwanted actions
- Hands-on workshop: creating a document monitoring agent capable of searching, analyzing, and producing a structured summary

[Day 2 - Morning]

Storage, projects, and external integrations

- Project organization: dedicated context, instructions, files, and separation of uses
- How the repository works: viewing, searching, editing, deleting, and preventing obsolete information
- Designing a usable knowledge base from documents and business
- Introduction to MCP: the role of servers, overview of tools, and authorization management
- Connecting to external APIs and managing credentials, secrets, and access scopes
- Hands-on workshop: Setting up a business project with controlled memory and connecting an external tool to the agent

[Day 2 - Afternoon]

Automating, Securing, and Ensuring the Reliability of Workflows

- Designing automated tasks: triggers, scheduling, steps, outputs, and notifications
- Building robust workflows with consistency checks, error handling, and manual recovery
- Security best practices: least privilege, isolation, secrets, sensitive data, and remote access
- Quality assessment: traceability, source verification, scenario testing, and acceptance criteria
- Gradual industrialization: prompt templates, documentation, maintenance, and continuous
- Hands-on workshop: Design an automated workflow for processing business requests, test it, and then define its monitoring and security rules

Relevant companies

This training program is designed for both individuals and businesses—large and small—that wish to train their teams in new, advanced IT technologies or to acquire specific industry knowledge or modern methods.

Placement Assessment at the Start of Training

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 in 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 running 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.