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Register

Open WebUI Training: Deploying Secure LLMs

2 days (14 hours)

Overview

Open WebUI is an open source platform for deploying and operating LLMs in a local or server environment, with a self-hosted approach focused on security and governance.

Our training will enable you to install, configure, and secure an internal AI platform tailored to professional requirements.

You will learn how to connect different models (local and API-compatible), optimize performance, structure business prompts, and implement usage controls.

By the end of this training, you will be able to industrialize the use of LLMs in your organization while ensuring security, traceability, and compliance.

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 of LLMs.
- Deploy and configure Open WebUI.
- Manage multiple AI models in a secure environment.
- Structure professional and shared prompts.
- Industrialize the use of LLMs in business.

Target audience

- System administrators
- DevOps
- Cloud engineers
- Innovation/AI managers
- Backend developers

Prerequisites

- Basic system administration skills
- Knowledge of Docker
- Understanding of cloud concepts

Open WebUI: Deploying Secure LLMs

[Day 1 - Morning]

LLM architecture and the role of Open WebUI

- Understanding how LLMs work
- Difference between cloud APIs and local models
- Positioning Open WebUI in an AI ecosystem
- Overall technical architecture
- Integration with Ollama and compatible APIs
- Hands-on workshop: Installing Open WebUI and connecting to a secure local model.

[Day 1 - Afternoon]

Secure deployment and configuration

- Deployment via Docker and runtime best practices
- Setting environment variables and persistence
- User management and authentication
- Network configuration and secure exposure (HTTPS, reverse proxy)
- Isolation and access control
- Hands-on workshop: Setting up a secure multi-user instance.

Model management and optimization

- Downloading and managing Ollama models
- Connection to external APIs (OpenAI and other LLMs)
- Configuration: context, temperature, tokens
- Server performance optimization
- Resource management and limitations

- Hands-on workshop: Multi-model configuration with performance testing.

[Day 2 - Morning]

Prompts, templates, and usage control

- Structuring professional prompts
- Creating reusable templates
- History and log management
- Moderation and control of interactions
- Governance of AI usage
- Hands-on workshop: Creating a secure, shared business template.

[Day 2 - Afternoon]

Integration into a corporate environment

- Deployment in a cloud or hybrid environment
- Integration with internal tools and industrialization practices
- Management of rights and roles
- Business use cases (support, documentation, internal assistant)
- Deployment strategy by scope

Supervision, compliance, and LLM strategy

- Usage monitoring and alerting
- Sensitive data security and compartmentalization
- Compliance and traceability
- LLM limitations and safeguards
- Adoption strategy and ramp-up plan
- Hands-on workshop: Developing a secure deployment plan for your organization.

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, the learner receives a self-assessment questionnaire that allows us to assess their estimated level of knowledge of different types of technologies, their expectations, and their personal objectives

regarding 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.