

IN-HOUSE TRAINING · COURSE CONTENT

WINDEV AI

Thematic Training · 2 days (14 h)

This training course covers integrating generative AI into your business applications: the environment's AI Companion, the AI Chat control and WLangage Tools, agents and sub-agents, HFSQL semantic search, RAG on your own documents, the MCP protocol, speech transcription, as well as costs and confidentiality issues.

Prerequisites (Who is this training course intended for?)

Target audience: WINDEV developers who want to integrate generative AI into their business applications.

Prerequisite: have good working knowledge of WINDEV and of the HFSQL database (data files, queries, browsing). No prior knowledge of artificial intelligence is required.

Practical information

Format
In-house

PCSoft Level
Level 3

Duration
2 days (14 h)

Price
Flat rate for 1 to 8 developers on-site and 1 to 6 remote.

Training Provider Registration Number (NDA)
91340055934

Last updated
September 2026

Detailed Program

The following is the suggested content of this training session:
(This content can be fully customized)

The instructor uses the course materials, which are tailored to the training objectives (the materials are provided at the beginning of the course). This course support material is divided into subjects.

All of these methods and exercises will help you put into practice what you have learned, when you return to your company.

Each subject is based on 3 axes:

Axis 1

The trainer gives a theoretical presentation of the topic, followed by any questions and answers.

Axis 2

Practical application exercise (individual work) to be completed within a set time limit. The trainer remains available to help and provide additional explanations.

Axis 3

Correction of the exercise, with all necessary explanations and any questions and answers. The trainer makes sure that each trainee has fully understood the exercise before continuing.

WINDEV AI

2 days (14 hours)

OBJECTIVES

- Understand how generative AI works and master the associated vocabulary: LLM, prompt, token, embedding, RAG, MCP (topics 1, 7, 8)
- Take advantage of the environment's AI Companion to develop faster and with higher quality (topic 2)
- Choose an AI provider and understand the costs and confidentiality issues according to your context (topics 2, 3)
- Implement the AI Chat control and write a system prompt suited to your business domain (topic 4)
- Create Tools in WLangage so that the AI can act directly on your HFSQL data (topic 4)
- Design autonomous AI agents capable of orchestrating complex background processes (topic 6)
- Implement HFSQL semantic search and RAG to query your own documents in natural language (topic 7)
- Open your applications to the AI ecosystem with the MCP protocol (topic 8)
- Use speech transcription to fill in your application controls by dictation (topic 5)
- Identify the right uses and business models according to your profile: in-house development, IT services company, freelancer (topics 2, 3)

CONTENT

Day 1: Fundamentals, AI Companion and AI Chat

Topic 1. Understanding generative AI

30 min

- How it works, without mathematics
- Large language models: training, answers, errors
- Glossary: prompt, token, inference, hallucination, embedding, tool, agent, RAG, MCP
- The token as the unit of consumption and billing

Topic 2. The environment's AI Companion

2 h 30

- The Companion built into the editor: it knows your project and acts on it
- Conversation mode and Action mode
- The /init_project command, @ targeting and the companion.md file
- Analysis of .wdump and .wpf files, Internet search, save points
- Costs and token consumption
- Confidentiality: what leaves the workstation, best practices

Topic 3. AI providers, costs and confidentiality

30 min

- Supported providers and available models
- The API key: configuration in WINDEV and billing
- Model ranges and orders of magnitude for pricing
- Local alternative: AI engine on your own infrastructure

Topic 4. The AI Chat control and Tools — 3 h

- The AI Chat control in your application windows
- Configuring the model and capabilities
- The system prompt: role, rules, business context
- Managing the conversation programmatically
- The principle of a Tool and the <TOOL IA> attribute
- Accessing the HFSQL database from a Tool

Topic 5. Speech transcription — 30 min

- Speech-to-text transcription in WLangage
- Filling in a control by voice dictation

Day 2: Agents, semantic search, RAG and MCP

Topic 6. AI agents and sub-agents — 2 h 30

- The iaAgent variable: an AI that runs without an interface
- When to prefer an agent over an AI Chat control
- Reusing the Day 1 Tools in an agent
- Sub-agents: delegating to specialized agents
- Orchestration by a main agent

Topic 7. Semantic search and RAG — 2 h 30

- Embedding and semantic vector
- Classic search and semantic search
- The Semantic index item in the HFSQL analysis
- The principle of RAG and chunking
- Complete pipeline: question, search, passages, answer

Topic 8. MCP: opening your applications to AI — 2 h

- The MCP protocol: client, server, resources and tools
- Positioning relative to the Day 1 Tools
- Creating and configuring an MCP server with WINDEV
- Exposing resources and defining security rules

Teaching, technical and supervisory resources

In-person in-house training

Each participant is equipped with:

- printed course materials
- a notebook
- a pen

The instructor leading the training is an experienced PCSoft employee.

In-house Online Training

During the training, you will be in constant contact with the trainer via the GoTo Meeting (©) software, which allows you to share your screen and the trainer's screen. You will connect to the workstations using RustDesk (©); the trainer will provide you with the login information on the first day of the training.

You can also interact with the other participants to foster a friendly atmosphere during the training and promote productive technical discussions.

The course materials (PDF format) are sent to you with the joining instructions before the training begins.

Learn more about the online format

Arrangements

Price	Flat rate for 1 to 8 developers on-site and 1 to 6 remote. Ask us for a free quote.
Financing	skills development plan, OPCO, direct funding.
Agreement	A detailed training agreement is available upon request.
General conditions	PCSoft's general terms and conditions and specific training terms and conditions apply. General Terms and Conditions Special Terms and Conditions of Service
Rules and Regulations	Please review the rules and regulations for trainees at the PCSoft training center. Rules and Regulations Procedure for the Prevention and Handling of Violence, Harassment, and Discrimination

Methods for monitoring the execution of the training session

At the end of the training course, participants' mastery of the skills is assessed through a multiple-choice test. Non-certification, non-degree program—certificate of completion.

Prices and VAT

It all depends on where you live:

- Mainland France: The training is subject to French VAT (20% as of 01/01/2014).
- Overseas Departments (DOM): The VAT rate (known as "octroi de mer") varies by DOM (Martinique, Guadeloupe, and Réunion: 8.5%; French Guiana: VAT-exempt).
- COM and POM: excluding tax.
- EEC: Invoicing excluding tax (provide the European VAT number).
- Other countries (outside the EEC): excluding tax.

Accessibility

PCSoft is particularly committed to including people with disabilities in its training programs.

Contact the disability liaison officer

Learn more

Access Lead Times

The training date will be set in consultation with you: it can begin 2 to 4 weeks after the quote is approved, depending on the trainers' availability.

PCSoft is Qualiopi-certified for its training programs; certified process No. 2021/92442.2 (AFNOR Certification).

Learn more