

IN-HOUSE TRAINING · COURSE CONTENT

WINDEV Full course

WINDEV Training · 10 days (70 h)

Prerequisites (Who is this training course intended for?)

Target audience: developers who want to discover WINDEV and then master all of its features. Intended for new WINDEV users.

Prerequisite: be comfortable with the Windows environment and have basic programming knowledge (algorithmic logic, variables, conditions). No prior knowledge of WINDEV is required.

Practical information

Format
In-house

PCSoft Level
Levels 1 to 4

Duration
10 days (70 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.

Fundamentals 1

2 days (14 hours)

OBJECTIVES

- Become familiar with the development environment (topics 1, 2, 3, 5)
- Master the basic concepts and the main editors (topics 1, 2, 3, 4, 5)
- Design and test your application (topics 2, 3, 4)
- Define your database (topic 2)
- Use the standard WLangage functions (topic 4)
- Create ergonomic windows that follow Windows standards (topic 3)
- Create reports (reporting) (topic 5)

CONTENT

Topic 1. Introduction to WINDEV

45 min

- Managing the lifecycle of your developments
- Mastering the basic concepts and the main editors
- Using L5G

Topic 2. The database

2 h

- The data model editor
- The HFSQL database: description of data files and links (referential integrity)
- Using a third-party database
- Importing and converting an external database
- Simple queries
- Using H*() functions to handle HFSQL databases
- Implementing GDPR

Topic 3. UI: User interface design (Human/Machine Interface)

4 h 30

- The window editor
- The style guide
- RAD (automatic application generation)
- The project, windows: ergonomics, system menu, title bar, styles
- Drop-down menus
- Table controls and file-based looper controls
- Creating a window template

Topic 4. Programming

5 h

- The code editor
- Declaring variables
- WLangage: operators and basic functions
- Self-populating combo boxes
- Basic debugger concepts
- Object properties
- Procedures and functions (with or without parameters)
- Reactive procedures
- Tools: WDMAP, the HFSQL Control Center, ...

Topic 5. Printing — 45 min

- The report editor
- The different creation modes: labels, form, table ...
- The different types of report blocks
- Print settings (PDF, HTML,..., paper format, margins, printer drivers,...)
- Calling a report from the UI & UX

Topic 6. Installation — 1 h

- Implementing the user groupware
- Creating the executable
- Creating the setup procedure
- Deploying on the client computer

Topic 7. The documentation generator — 5 min

- The summary documentation
- The full documentation
- The code documentation
- The generic vocabulary

Fundamentals 2

3 days (21 hours)

OBJECTIVES

- Master new advanced controls (topic 2)
- Use new WLangage functions (topics 3, 4)
- Manage database access conflicts (topic 1)
- Use text, ini and xml files (topic 3)
- Use triggers programmatically (topic 1)
- Create and use queries (topic 1)
- Share resources (topic 5)

CONTENT

Topic 1. The database — 3 h

- Parameterized queries
- Managing concurrent access and locks
- Implementing GDPR

Topic 2. UI: User interface design (Human/Machine Interface) — 9 h

- Programming the Table control
- The Progress Bar control
- Rules for multilingual integration
- INI files
- List Box and Combo Box controls
- The Image control
- The List View control
- Programming the Looper control

- The TreeView control
- The Chart control (Histogram, Pie, ...)
- The Splitter control
- The Toolbox control
- Anchoring
- The Guided Tour
- The Dockable Pane control
- The Layout control
- Managing planes
- The Image Editor control
- The Token control

Topic 3. Programming and concepts — 8 h

- Automatic procedures
- Managing emails (POP, SMTP, Outlook)
- Creating an FTP client
- Object properties
- Creating a text file
- Integrating simple XML and JSON files
- Creating and integrating an external component
- The vault

Topic 4. Printing — 45 min

- Bar codes
- Passing parameters from the UI & UX

Topic 5. Installation — 30 min

- Deployment in Live Update mode

Advanced Level 3 — 2 days (14 hours)

OBJECTIVES

- Improve UI & UX (topic 1)
- Master new advanced controls (topic 1)
- Use new WLangage functions (topics 1, 2)
- Use dynamic compilation (topic 2)
- Perform advanced debugging (topic 2)

CONTENT

Topic 1. UI: User interface design (Human/Machine Interface) — 9 h 30

- Programming the Scheduler control
- The Ribbon control
- The Treemap control
- The Spreadsheet control
- The Word Processing control

- The Map control
- Programming the TreeView Table control
- Control templates
- Programming the Table control: advanced features
- Managing Markdown
- The Code Editor control

Topic 2. Programming and concepts

4 h 30

- Static audit
- Dynamic audit
- Debugging dump
- Dynamic compilation
- Custom-folders (MCU)
- Exception handling
- OCR
- Zombie (managing obsolete procedures, items and variables)

Advanced Level 4

3 days (21 hours)

OBJECTIVES

- Improve UI & UX (topics 1, 2)
- Create multi-window applications (topic 1)
- Master new advanced controls (topic 1)
- Manage continuous integration (topic 2)
- Create interfaces dynamically (topics 1, 2)
- Create Windows services (topic 2)

CONTENT

Topic 1. UI: User interface design (Human/Machine Interface)

9 h

- Multi-window concepts
- "Free" multi-window mode
- MDI multi-window mode
- The Dockable Pane control
- The Dynamic Tab control (MDI tabs)
- Managing independent HFSQL contexts
- The Internal Window control and internal windows
- The Pivot Table (ROLAP pivot table)
- The Dashboard control
- The multi-level Pie chart

Topic 2. Programming and concepts

12 h

- Customizing HFSQL errors
- Remote debugging
- Enabling logs
- User scenarios and automated tests

- The software factory
- Event management
- Indirections
- Dynamic queries
- Cloned controls
- Dynamically created controls
- The performance profiler
- Programmed drag & drop
- Executable with parameters
- Creating a Windows service

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