


INTER-COMPANY TRAINING · COURSE CONTENT

# HFSQL C/S

**Thematic Training · 3 days (21 h)**

You will learn to install an HFSQL server, use the HFSQL Control Center, migrate an HFSQL Classic database, optimize processes, stored procedures and queries, triggers, persistent parameters, manage rights and users programmatically, replication, set up SQL and materialized views, use HFSQL in the cloud, etc.

## Prerequisites (Who is this training course intended for?)

**Target audience:** developers who need to install, administer and optimize HFSQL Client/Server databases.

**Prerequisite:** have already developed applications with PCSoft's DevOps IDEs (WINDEV/WEBDEV) or have previously attended the WINDEV or WEBDEV Fundamentals training courses.

## Practical information

**Format**
Inter-company

**PCSoft Level**
Level 2

**Duration**
3 days (21 h)

**Price**
1969 € (excl. tax)

**Training Provider Registration Number (NDA)**
91340055934

**Last updated**
September 2026

## Detailed Program

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.

## HFSQL C/S

3 days (21 hours)

### OBJECTIVES

- Install the HFSQL Client/Server database (topics 1, 2, 6)
- Use the HFSQL Control Center (topic 2)
- Migrate an HFSQL Classic database and the associated projects (topic 3)
- Manage and administer databases (topics 2, 4, 5)
- Manage and administer user access rights (topics 2, 4)

### CONTENT

#### Topic 1. Overview of HFSQL Client/Server — 30 min

- Features and installation prerequisites
- The benefits of Client/Server

#### Topic 2. Installation and configuration — 1 h

- Installation principles
- Creating databases
- Network configuration (opening ports)
- Updating
- Managing HFSQL in the cloud
- Implementing GDPR
- Data anonymization
- The vault

#### Topic 3. Migrating an existing HFSQL Classic database — 1 h

- Importing HFSQL Classic files
- Adapting the analysis
- Adapting the projects
- Creating and managing connections

#### Topic 4. Programming — 17 h 30

- User management
- Rights management
- Managing subdirectories in Client/Server mode
- Optimization: divide your execution times by 4
- Transactions
- Stored procedures and queries
- Query optimization
- Query EXPLAIN
- Asynchronous queries
- Security (server side and application side)
- Record locks
- Sending messages between users
- Persistent parameters
- Triggers

- SQL views
- Materialized views
- Turn your HFSQL Control Center into a "user-friendly" querying tool
- Universal replication
- HFSQL C/S server replication
- Spatial data

Topic 5. Scheduled tasks and backups — 30 min

- Creating and configuring administration tasks
- Managing database backups

Topic 6. Deploying an application on an HFSQL Client/Server database — 30 min

- Generating the setup and its specific features

## Teaching, technical and supervisory resources

### In-person training

During the training, you will be provided with a suitable computer (one per trainee) and a software license.

PCSoft also provides all the supplies:

- a USB flash drive to save your exercises
- a notebook
- a pen
- a PCSoft-branded case to store everything

Not to mention lunch and coffee breaks, which are also included.

Learn more about the in-person format

### 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

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|---|---|
| **Price** | The price includes the course materials. The price is guaranteed for the stated period. |
| **Financing** | skills development plan, OPCO, direct funding. |
| **Cancellation or postponement** | Requests must be made in writing. Free of charge up to 3 weeks before the start of the session. After that, 50% of the price remains due, and 100% within the 7 days before the session. Full terms:<br>Special Terms for Services |
| **Equipment** | In-person, each trainee is provided with a workstation tailored to the subject matter of this training. |
| **Schedules** | From 9:00 a.m. to 12:30 p.m. and from 1:30 p.m. to 5:00 p.m. (for a total of 7 hours per day). |
| **General conditions** | PCSoft's general terms and conditions and specific training terms and conditions apply.<br>General Terms and Conditions<br>Special Terms and Conditions of Service |
| **Rules and Regulations** | Please review the rules and regulations for trainees at the PCSoft training center.<br>Rules and Regulations<br>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

Registration is open until 10 days before the start of the session, subject to availability.

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

Learn more