Course : JasperReports, design and publish your reports

Practical course - 3d - 21h00 - Ref. JAR
Price : 2310 CHF E.T.

JasperReports is one of the most popular open source reporting tools. In this training course, you'll learn how to install and make the most of this solution. You'll get the data you need to analyze it, and discover the possibilities for grouping, cross-referencing and manipulating data. Finally, you'll see all the steps involved in creating, formatting and distributing your analysis reports.

Teaching objectives

At the end of the training, the participant will be able to:

- Installing JasperReports
- Configure a report's data source
- Understand the structure and basic objects of a JasperReports report
- Design a simple report from a data source
- Create a more advanced report with crosstabs and sub-reports

Intended audience
Consultants, project managers and analysts wishing to implement an open source reporting solution.

Prerequisites
Knowledge of relational databases, SQL and XML technologies.

Course schedule

1   **Presentation**

- Report interests.
- Report generation issues.
- State of the art, open source solutions.
- JaperSoft offer: JasperReports Library, Jaspersoft Studio, JasperReports Server...
- XML basics.
- The usefulness of XML for the JasperReports solution.

② JasperReports, getting started

- Prerequisites and installation procedure.
- Tools overview: JasperSoft Studio at a glance.
- Supported data sources.
- Declaration of data sources.
- SQL queries, sorting and filters.
- Analysis of sample reports.
- State generation process.
- Compilation.

Hands-on work
JasperReports installation and demonstrations. Configuration of a data source from a database.

③ Report design

- Report structure: sections, bands, columns...
- Fields in a report: declaration, types, rules.
- The different elements: text, image, graphic forms.
- Parameters, expressions and variables
- Report formatting.
- Report formatting.
- Styles and templates.

Hands-on work
Design a simple report from a data source.

④ Advanced design elements

- Groups: principle, nesting, page breaks...
- Sub-reports: principle, sizing, referencing...
- Graphs and pivot tables: datasets, dataset run.

Hands-on work
Advanced report design with crosstabs and sub-reports.

⑤ Publication of reports

- JasperServer installation procedure.
- Web and database server configuration.
- Publish reports from JasperReports Server.
- Connecting to JasperReports Server from JasperSoft Studio
- Publish reports with JasperSoft Studio.

Dates and locations

REMOTE CLASS
2026 : 18 Mar., 1 June, 9 Sep.