

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.
- JasperSoft offer: JasperReports Library, Jaspersoft Studio, JasperReports Server...
- XML basics.
- The usefulness of XML for the JasperReports solution.

PARTICIPANTS

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

PREREQUISITES

Knowledge of relational databases, SQL and XML technologies.

TRAINER QUALIFICATIONS

The experts leading the training are specialists in the covered subjects. They have been approved by our instructional teams for both their professional knowledge and their teaching ability, for each course they teach. They have at least five to ten years of experience in their field and hold (or have held) decision-making positions in companies.

ASSESSMENT TERMS

The trainer evaluates each participant's academic progress throughout the training using multiple choice, scenarios, hands-on work and more.

Participants also complete a placement test before and after the course to measure the skills they've developed.

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.

TEACHING AIDS AND TECHNICAL RESOURCES

- The main teaching aids and instructional methods used in the training are audiovisual aids, documentation and course material, hands-on application exercises and corrected exercises for practical training courses, case studies and coverage of real cases for training seminars.
- At the end of each course or seminar, ORSYS provides participants with a course evaluation questionnaire that is analysed by our instructional teams.
- A check-in sheet for each half-day of attendance is provided at the end of the training, along with a course completion certificate if the trainee attended the entire session.

TERMS AND DEADLINES

Registration must be completed 24 hours before the start of the training.

ACCESSIBILITY FOR PEOPLE WITH DISABILITIES

Do you need special accessibility accommodations? Contact Mrs. Fosse, Disability Manager, at psh-accueil@orsys.fr to review your request and its feasibility.