

# Course : SQL Server Reporting Services

Versions 2022 to 2012

Practical course - 2d - 14h00 - Ref. BRS

Price : 1680 CHF E.T.

For recurring and shared reporting needs, Reporting Services is the solution. You'll learn how to query data from a cube or other DBMS formats, create and enrich your reports, give users options to choose from, and find out about deployment possibilities.

## Teaching objectives

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

- ✓ Understand the specific features of the suite's reporting tools and how to use them
- ✓ Create your first simple report with SQL Server Reporting Services (SSRS)
- ✓ Create a cube-based report (source Analysis Services)
- ✓ Adding a custom calculation to an SSRS report
- ✓ Adding graphics to an SSRS report
- ✓ Export and publish SSRS reports

## Intended audience

Developers, consultants, project managers, IS architects.

## Prerequisites

Basic knowledge of RDBMS and SQL.

## Course schedule

### 1 Introduction

- Overview.
- Reporting Services architecture.
- Positioning Reporting Services and Power BI: purpose and use.
- Sharing on SharePoint.
- The BIDS development tool.
- Report types: table, matrix, graphs...

### Demonstration

Tools presentation.

## PARTICIPANTS

Developers, consultants, project managers, IS architects.

## PREREQUISITES

Basic knowledge of RDBMS and SQL.

## 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.

## 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

## 2 Report design

- Report creation using the wizard.
- Setting up a shared data source.
- Query editing.
- Use tablix (tables and matrices).
- Group data in a tablix.
- Add calculations to a report.
- Selection parameters. Filters. Sub-reports.

### Exercise

Database connection. Create and present reports with simple calculations.

## 3 Analysis Services source-based report design

- Design an MDX query using the wizard.
- Add variable parameters. Render into a matrix.
- Best practices for SSAS sources.

### Exercise

Report creation based on an Analysis Services cube.

## 4 Enrich your reports

- Drill down to explore data in a report.
- Interactive sorting.
- Navigating from one report to the next.
- "Data Alert". Program an alert on an indicator.

### Exercise

Insert interactive data sorting in a report.

## 5 Programming Reporting Services

- Add custom code to a report.
- Using the Report Viewer in remote mode.

### Exercise

Add a custom calculation expression to a report column.

## 6 Finalize and deploy reports

- Presentation of mobile reports.
- Export and rendering types: XML, CSV, PDF, TIFF, Excel, Word, PowerPoint.
- Use Report Builder.
- Create and publish a report template.
- Design tables and graphs.
- Publish reports. Create a report cache. Report subscription and distribution.
- Administration. Configuration manager. Security, roles.

### Exercise

Add graphics. View deployment and security settings.

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.

