Course : IBM Cognos V11/V12 Data Modules, Additional Modeling

Practical course - 1d - 7h00 - Ref. CGB
Price : 870 CHF E.T.

NEW

The Data Module is the Cognos Analytics v12 feature that adds a modeling layer to the IBM Cognos Analytics 11/12 portal. It is Cognos's latest module for modeling structured and unstructured data. It is designed for business intelligence (BI) consultants, data scientists, and business users.

Teaching objectives

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

- Defining a Data Module in IBM Cognos Analytics v12
- Explore all the features of the data modules
- Generate reports and dashboards from Data Modules data sources

Intended audience

Beginners, intermediate, and advanced users of IBM Cognos.

Prerequisites

Some information about the tools in the IBM Cognos Analytics suite 12.

Practical details

Please enter the instructional description here

Course schedule

PARTICIPANTS

Beginners, intermediate, and advanced users of IBM Cognos.

PREREQUISITES

Some information about the tools in the IBM Cognos Analytics suite 12.

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.

1 The various data sources used by Data Module and their settings

- Data sources for Data Modules: database servers, packages created in Framework Manager, downloaded files, datasets, and other Data Modules.
- Creating the first Data Module.
- Reloading data from a schema.
- Link the data sources.
- Package Enhancements.
- Configuring data storage and caching.
- Data Security.
- An Introduction to Joined Tables.
- Adding data sources and tables to a Data Module.

Hands-on work

Create your first Data Module. Create a report and a dashboard using data from a relational source and a data module.

2 Modeling with the Data Module

- Modeling and Concepts.
- Creating joins and defining cardinalities between tables or views.
- Join Optimization.
- Creating data groups.
- Ideal modeling (star schema with column dependencies and lookup keys).
- Creating custom tables (shortcuts, aliases, views, unions, intersections, exceptions, etc.) to resolve modeling issues.
- The Dimensions of Time.
- Defining column dependencies.
- Organizing data into thematic folders, validating business terminology, and defining tooltips.

Hands-on work

Create a data module and implement properties (typing, joins, calculations).

3 Create simple or complex calculations and filters

- Creating simple and complex calculated fields.
- Arithmetic calculations involving dates and strings.
- Creating data groups or defining "case" calculations.
- Creating business filters.
- Create navigation paths and test the Drill Down, Drill Up, and Navigate functions in a simple report.
- Data formatting.

Hands-on work

Add calculated fields to a data module and test them in a report. Add filters to a data module and test them in a report.

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.

4 In-memory processing with the dataset

- Concepts.
- Compatible data sources.
- Data refresh.
- The dataset's features.
- Analysis of filtered metrics by date ranges relative to a given date.

Hands-on work

Create a report and a dashboard using data from heterogeneous sources (in-memory). Import and create a custom "Gregorian Calendar" to manage relative time periods. Create a Data Module to analyze data based on relative dates. Define Data Module sources, whether linked or unlinked. Define lookup references for event and metric dates. Add calculations or filters for relative dates linked to _as_of_date. Create a report and a dashboard.

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Dates and locations

REMOTE CLASS
2026 : 17 Dec.

2027 : 12 Feb., 19 May, 30 Aug., 26 Nov.