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Essentials for IBM Cognos BI: Supplement for Metadata Modelers (V10.2.2)  
Information

**Length:** 2.0 Days  
**\_\_\_Ref:** B5A05G-X  
**Delivery method:** Classroom  
**Price:** EUR

Overview

This offering is designed as a follow-up to the Essentials for IBM Cognos BI (V10.2.2) course. It provides participants with the remainder of the metadata modeling concepts, found in the IBM Cognos Framework Manager: Design Metadata Models (V10.2.2) offering. Participants will complete their learning of the full scope of the metadata modeling process, from initial project creation, to publishing of metadata to the Web, enabling end users to easily author reports and analyze data.

Public

This advanced course is for:

- Developers
- Modelers
- Application Developers

Prerequisites

You should have:

- Knowledge of common industry-standard data structures and design.
- Experience with SQL
- Experience gathering requirements and analyzing data.
- Taken the course *Essentials for IBM Cognos BI (B5A70G)*

Objective

Please refer to course overview for information.

Topics

**Working with Different Query Subject Types**

- Identify the effects of modifying query subjects on generated SQL

- Specify two types of stored procedure query subjects
- Use prompt values to accept user input

## **Setting Security in Framework Manager**

- Examine the IBM Cognos 10 security environment
- Restrict access to packages
- Create and apply security filters
- Restrict access to objects in the model

## **Manage OLAP Data Sources**

- Connect to an OLAP data source (cube) in a Framework Manager project

Publish an OLAP model

- Publish a model with multiple OLAP data sources
- Publish a model with an OLAP data source and a relational data source

## **Advanced Generated SQL Concepts and Complex Queries**

- Governors that affect SQL generation
- Stitch query SQL
- Conformed and non-conformed dimensions in generated SQL
- Multi-fact/multi-grain stitch query SQL
- Variances in Report Studio generated SQL
- Dimensionally modeled relational SQL generation
- Cross join SQL
- Various results sets for multi-fact queries

## **Using Advanced Parameterization Techniques**

- Identify session and model parameters
- Leverage session, model, and custom parameters
- Create prompt macros
- Leverage macro functions associated with security

## **Model Maintenance and Extensibility**

- Perform basic maintenance and management on a model
- Remap metadata to another source
- Import and link a second data source
- Run scripts to automate or update a model

- Create a model report

## **Optimize and Tune Framework Manager Models**

- Identify how minimized SQL affects model performance
- Use governors to set limits on query execution
- Identify the impact of rollup processing on aggregation
- Apply design mode filters
- Limit the number of data source connections
- Use the quality of service indicator

## **Working in a Multi-Modeler Environment**

- Segment and link a project
- Branch a project and merge results

## **Managing Packages in Framework Manager**

- Specifying package languages and function sets
- Control model versioning
- Nest packages

## **Appendix A - Additional Framework Manager Modeling Techniques**

- Leverage a user defined function
- Identify the purpose of query sets
- Use source control to manage Framework Manager files

## **Appendix B - Modeling Multilingual Metadata**

- Customize metadata for a multilingual audience