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Essentials for IBM Cognos BI: Supplement for Metadata Modelers (V10.2)
Information

Length: 2.0 Days
__Ref: B5205G-X
Delivery method: Classroom
Price: EUR

Overview

Essentials for IBM Cognos BI: Supplement for Metadata Modelers (V10.2) is an advanced, 2 day course that provides participants with introductory to advanced knowledge of metadata modeling concepts, and how to model metadata for predictable reporting and analysis results using Framework Manager. Participants will learn 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 advance course is intended for Developers who design metadata models for use in IBM Cognos.

Prerequisites

Required:

- *Essentials for IBM Cognos BI (V10.2) (B5270)*
- Knowledge of common industry standard data structures**and** design
- Experience with SQL
- Experience gathering requirements **and** analyzing data

Objective

Please refer to course overview.

Topics

Work with Different Query Subject Types

- Identify key differences and recommendations for using data source, model, and stored procedure query subjects
- Identify the effects on generated SQL when modifying query subjects, SQL settings and relationships

Set Security in Framework Manager

- Examine the IBM Cognos BI 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

Use Advanced Parameterization Techniques in Framework Manager

- Identify environment and model session 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 and implement techniques to optimize and tune your Framework Manager models
- Use Dynamic Query Mode in Framework Manager

Work in a Multi-Modeler Environment

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

Manage Framework Manager Packages

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

Appendix A: Employ Additional Framework Manager Modeling Techniques

- Leverage a user defined function
- Set the order of operations in a model calculation
- Externalize query subjects
- Prepare IBM Cognos 10 content for use as a data source in Transformer
- Create query sets
- Use external source control through Windows Explorer

Appendix B: Model Multilingual Metadata

- Customize metadata for a multilingual audience

Appendix C: Access Additional Resources

- Links to sites where the customer can find more information about course-related material.