



# IBM Cognos Framework Manager: Design Metadata Models (V10.2) (B5252G)

## IBM Course Code: B5252

IBM Cognos Framework Manager: Design Metadata Models (V10.2) 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.

### Who Needs to Attend

This course is intended for Developers.

### Prerequisites

This advanced offering is intended for developers who design metadata models for use in IBM Cognos.

- [IBM Cognos Report Studio: Author Professional Reports Fundamentals \(V10.2\) \(B5258G\)](#)

### Follow-On Courses

There are no follow-ons for this course.

### Course Outline

#### 1. Overview of IBM Cognos BI

- Discuss IBM Cognos and Performance Management
- Describe IBM Cognos components
- Describe IBM Cognos architecture at a high level
- Define IBM Cognos groups and roles
- Explain how to extend IBM Cognos

#### 2. Identify Common Data Structures

- Examine the characteristics of operational databases and databases designed for reporting
- Examine relationships and cardinality
- Identify different data traps
- Examine dimensional data sources

#### 3. Gather Requirements

- Examine key modeling recommendations
- Define reporting requirements
- Explore data sources to identify data access strategies

#### 4. Create a Baseline Project

- Examine the IBM Cognos BI and Framework Manager workflow processes
- Define a project and its structure
- Describe the Framework Manager environment
- Create a baseline project
- Enhance the model with additional metadata

#### 5. Prepare Reusable Metadata

- Identify facts and dimensions
- Examine relationships, and data traps
- Verify relationships and query item properties
- Ensure efficient filters by configuring prompt properties



## **17. 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

## **18. Use Advanced Parameterization Techniques in Framework Manger**

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

## **19. 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

## **20. 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

## **21. Work in a Multi-Modeler Environment**

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

## **22. Manage Framework Manager Packages**

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

## **23. Appendix A: Employ Additional 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

## **24. Appendix B: Model Multilingual Metadata**

- Customize metadata for a multilingual audience

## **25. Appendix C: Additional Resources**

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

### **Further Information:**

For More information, or to book your course, please Call/Email us on - +254 713 027 191

[KENYA - training.kenya@clclearingafrica.com](mailto:training.kenya@clclearingafrica.com)

[TANZANIA - training.tanzania@clclearingafrica.com](mailto:training.tanzania@clclearingafrica.com)

[UGANDA - training.uganda@clclearingafrica.com](mailto:training.uganda@clclearingafrica.com)

[RWANDA - training.rwanda@clclearingafrica.com](mailto:training.rwanda@clclearingafrica.com)

[BURUNDI - training.burundi@clclearingafrica.com](mailto:training.burundi@clclearingafrica.com)

[ETHOPIA - training.ethopia@clclearingafrica.com](mailto:training.ethopia@clclearingafrica.com)