



Enterprise Computing Solutions - Education Services

## TRAINING OFFERING

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

<b>CODE:</b>	<b>DURÉE:</b>	<b>PRIX H.T.:</b>
B5A05G	16 Hours (2 Jours)	€1,400.00

## Description

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.

## Objectifs

Please refer to course overview for information.

## Audience

This advanced course is for:

- Developers
- Modelers
- Application Developers

## Prérequis

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)*

## Programme

### 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

## **Informations supplémentaires**

Prior to enrolling, IBM Employees must follow their Division/Department processes to obtain approval to attend this public training class. Failure to follow Division/Department approval processes may result in the IBM Employee being personally responsible for the class charges.

GBS practitioners that use the EViTA system for requesting external training should use that same process for this course. Go to the EViTA site to start this process: <http://w3.ibm.com/services/gbs/evita/BCSVTEnr1.nsf>

Once you enroll in a GTP class, you will receive a confirmation letter that should show:

- The current GTP list price

- The 20% discounted price is available to IBMers for GTP delivered courses only. This is the price you will be invoiced for the class.

## **Dates de session**

Sur demande. [Merci de nous contacter](#)

## **Informations Complémentaires**

Cette formation est également disponible sous forme de formation sur site. [Veuillez nous contacter pour en savoir plus.](#)