

Cognos Certification

A Cognos Certification Study Guide for Cognos 8 BI Metadata Model Developer

The Cognos 8 BI Metadata Model Developer Exam covers key concepts, technologies, and functionality of the Cognos products. In preparation for an exam, we recommend a combination of training and hands-on experience, and a detailed review of product documentation.

Earning the COGNOS 8 BI METADATA MODEL DEVELOPER certification requires passing one (1) exam: Cognos 8 BI Metadata Model Developer. The course and documentation supporting this certification are:

- Cognos 8 BI Framework Manager: Designing Metadata Models (version 8.3)
- Cognos 8 Framework Manager User Guide (8.3)

The following information will provide you with targeted areas of study to help you prepare for the exam. We also have provided sample questions that represent the format and content of the Cognos 8 BI Metadata Model Developer exam. Answering these questions correctly does not guarantee that you will pass the actual exam.

EXAM INFORMATION

Exam Number	BI0-132
Exam Title	Cognos 8 BI Metadata Model Developer
Number of questions	55
Format	Multiple choice – single response
Passing score	80%
Time	60 minutes
Cost	\$ 200 USD
Registration	http://www.prometric.com/Cognos

KEY TOPICS

- Common Data Structures and Traps
- Framework Manager Basics
- Predictable Results
- Security
- Project Management and Maintenance
- Query Subject Types
- Generated SQL and Complex Queries
- Optimization and Tuning
- Advanced Techniques



Common Data Structures and Traps

- Identify Common Data Structures
- Identify different data traps

Framework Manager Basics

- Identify the different model types that can be published from Framework Manager
- Define the purpose of Framework Manager
- Create a project
- Identify recommendations for preparing metadata

Predictable Results

- Identify recommendations to achieve predictable results
- Describe why and how to implement a time dimension
- Identify techniques for creating intuitive business views

Security

- Describe the Cognos 8 security environment
- Describe how to implement security on models and packages

Project Management and Maintenance

- Identify techniques for managing Framework Manager projects
- Identify techniques for managing Framework Manager packages

Query Subject Types

- Identify different query subject types and uses

Generated SQL and Complex Queries

- Identify SQL Generation in Complex Queries
- Identify aggregated result sets for multi-fact queries
- Identify aggregations in Report Studio SQL

Optimization and Tuning

- Describe the performance impact of queries

Advanced Techniques

- Describe how to leverage user defined functions
- Describe how to resolve a recursive relationship
- Identify considerations for drill-through values and managing MUNs

SAMPLE QUESTIONS

1. Which of the following is a common technique used in Framework Manager to dynamically control queries at runtime?
 - A. Use a macro in a SQL expression, calculation or filter.
 - B. Alter default SQL statements to select specific columns.
 - C. Change the data source connection before publishing the model.
 - D. Create an environment session parameter and then reference it in a macro.

2. Where can connection information for data sources listed in the Framework Manager Metadata Wizard be edited?
 - A. Cognos Connection
 - B. Framework Manager Metadata Wizard
 - C. Content store resource in Cognos Configuration
 - D. Data Sources folder in the Framework Manager Project Viewer
3. In Framework Manager, unwanted query splits (full outer joins) occur in which one of the following scenarios?
 - A. Multi-fact queries where determinants have not been specified.
 - B. Single fact queries where determinants have not been specified.
 - C. Conformed and non-conformed dimensions are mixed in one query.
 - D. Query subjects are incorrectly identified as facts in the context of a query.
4. What does a relationship with a cardinality of 1..n to 1..n indicate?
 - A. Optional cardinality
 - B. Many-to-many relationship
 - C. Determinants need to be specified
 - D. A filter is required to focus the record set
5. When basic data source query subjects are modified in Framework Manager, it can cause which of the following outcomes?
 - A. The data source connection referenced in the data source query subject may need to be resolved.
 - B. The data source query subject may need to be converted to a model query subject to improve model maintenance.
 - C. The data source query subject may cause native SQL generation errors at run time when creating queries in the studios.
 - D. The data source query subject may be considered "complex" and require metadata requests from the database at run time.
6. A contiguous result set uses only what type of dimension?
 - A. Regular dimension
 - B. Irregular dimension
 - C. Conformed dimension
 - D. Non-conformed dimension

ANSWERS: 1-A; 2-A; 3-D; 4-B; 5-D; 6-C

CONTACT INFORMATION

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