

Cognos Certification

A Cognos Certification Study Guide for **Cognos 8 BI Data Warehouse Developer**

The Cognos 8 BI Data Warehouse 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 DATA WAREHOUSE DEVELOPER certification requires passing one (1) exam: Cognos 8 BI Data Warehouse Developer. The course and documentation supporting this certification are:

- Cognos 8 BI Data Manager: Building Datamarts with Enterprise Data (version 8.3)
- Cognos 8 BI Data 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 Data Warehouse Developer exam. Answering these questions correctly does not guarantee that you will pass the actual exam.

EXAM INFORMATION

Exam Number	BI0-125
Exam Title	Cognos 8 BI Data Warehouse Developer
Number of questions	84
Format	Multiple choice – single response
Passing score	75%
Time	90 minutes
Cost	\$ 200 USD
Registration	http://www.prometric.com/Cognos

KEY TOPICS

- Data Manager and Data Warehousing
- Catalogs and Data Source Connections
- Dimensions and Basic Hierarchies
- Basic Dimension Builds and Fact Builds
- Derivations and Derived Dimensions
- Conformed Dimensions
- Hierarchies and Lookups
- Dimensional History and Late Arriving Data
- Data Delivery and Data Processing
- User-Defined Functions (UDFs) and Variables
- Troubleshooting and Tuning

Data Manager and Data Warehousing

- Identify how Data Manager can be used
- Distinguish between OLTP systems and data warehouses

Catalogs and Data Source Connections

- Describe the process of creating a catalog
- Identify how to use SQLTerm
- Describe how to configure text files using SQLTXT Designer
- Describe how to package catalog components
- Describe how to navigate through catalog components
- Describe how to export catalog metadata to Cognos 8

Dimensions and Basic Hierarchies

- Determine appropriate situations for using a hierarchy
- Describe the use of the Reference Explorer tool
- Describe the use of the Date Hierarchy wizard

Basic Dimension Builds and Fact Builds

- Describe the types of builds
- Describe the use of the Dimension Build wizard
- Describe the process of creating a fact build
- Describe the modification of build settings

Derivations and Derived Dimensions

- Identify the benefits of creating a derivation
- Determine the appropriate location to create a derivation
- Identify when it would be useful to create a derived dimension

Conformed Dimensions

- Describe the advantages of conformed dimensions
- Describe surrogate keys
- Describe how to deliver conformed dimensions
- Describe how to check data integrity

Hierarchies and Lookups

- Describe ways to modify hierarchies and lookups
- Describe how to manipulate data using hierarchies and lookups

Dimensional History and Late Arriving Data

- Describe the use of slowly changing dimensions (SCDs)
- Describe the handling of late arriving fact and dimension data

Data Delivery and Data Processing

- Describe delivering fact and dimension data
- Describe how to merge and aggregate fact data
- Describe how to restrict fact data delivery
- Describe how to implement job control
- Describe how to pivot fact data

User-Defined Functions (UDFs) and Variables

- Describe how to create UDFs
- Describe the use of variables

Troubleshooting and Tuning

- Describe options to address memory and performance issues
- Describe how to interpret the log files

SAMPLE QUESTIONS

1. Which of the following is contained in a Data Manager catalog?
 - A. Cognos 8 packages
 - B. Flat files
 - C. Fact tables
 - D. User-defined functions
2. Where can an administrator create a derivation?
 - A. DataStream
 - B. Fact Delivery module
 - C. Reference dimension
 - D. User-defined function
3. When pivoting data in Data Manager, where must the pivot values be declared?
 - A. In the data source
 - B. In the DataStream
 - C. In the relational table delivery
 - D. In the data source connection
4. Where can a user-defined function be utilized in the transformation model?
 - A. In a dimension element
 - B. In an attribute element
 - C. In a derivation element
 - D. In a measure element
5. What can be done to reduce the amount of memory that is used by a dimension build when it is executed?
 - A. Disable file caching on the underlying hierarchy levels.
 - B. Enable auditing on the dimension build.
 - C. Enable file caching on the underlying hierarchy levels.
 - D. Disable logging on the dimension build.

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

CONTACT INFORMATION

For further inquiries, please send an email to cognos.certification@ca.ibm.com.

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