

# Teradata Certification

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## Associate 2.3 Exam

### Exam Objectives

The Associate 2.3 Exam covers the features and functionality of Vantage 2.3 including the Advanced SQL Engine through release 17.10.

#### **General Concepts – 19%**

- Identify the definition of the terms associated with relational concepts.
- Identify the characteristics of a relational database.
- Identify the characteristics of a dimensional model.
- Identify the use cases for deploying a relational model.
- Identify the use cases for deploying a dimensional model.
- Identify the analytic capabilities in Vantage.

#### **Data Warehouse Architectures – 19%**

- Identify the high-level concepts of the data warehouse architecture.
- Identify the major components of the architecture.
- Identify deployment options for data warehouses.
- Identify types of implementations of data warehouses.
- Identify the flow of data in a data warehouse.
- Identify reasons for deploying a data warehouse architecture.
- Identify scalability options on Cloud.
- Identify integration options with Cloud service providers.

#### **Teradata Advanced SQL Engine Architecture and Components – 24%**

- Identify the flow of data from source to consumption in an analytic environment.
- Identify the purpose of the logical components of the Advanced SQL Engine.
- Identify the features and benefits of the Advanced SQL Engine.
- Identify the definitions of Advanced SQL Engine objects.
- Identify space classifications and how the Advanced SQL Engine uses space.
- Identify the components of a table definition.
- Identify the purpose of Workload Management.

#### **Database Distribution and Access – 12%**

- Identify use cases of Primary, Secondary and Join indexes.
- Identify the impact the Primary Index has on data distribution.
- Identify the differences between Primary Index and Primary Key.
- Identify the types, levels, and functionality of locking provided by the Advanced SQL Engine.

- Identify the purpose and components of the access layer.

### **Security and Privacy – 14%**

- Identify user security mechanisms available to the Advanced SQL Engine.
- Identify the features for managing user privileges in the Advanced SQL Engine.
- Identify the functions and types of authentication in the Advanced SQL Engine.
- Identify database privacy mechanisms available within the Advanced SQL Engine.

### **Teradata Tools and Utilities – 12%**

- Identify common data integration techniques for Advanced SQL Engine and their uses.
- Identify the features and functions of the administering and monitoring tools available within the Vantage product suite (for example: Viewpoint and Teradata Studio.)
- Identify the common access tools available within the Vantage client tools and their uses (for example: Teradata Studio Express and BTEQ).