MIGRATING TERADATA USERS TO BIGQUERY

Course Code: 899014

In this course you will learn how to translate various concepts in Teradata to the analogous concepts in BigQuery. You will learn how the high-level architectures of Teradata and BigQuery compare, understand di erences in how to con gure datasets and tables, map data types in Teradata to data types in BigQuery, understand schema mapping from Teradata to BigQuery, optimize your new schemas in BigQuery, and do a high-level comparison of SQL dialects in Teradata and BigQuery.

What You'll Learn

- Comparing architecture and provisioning of resources in Teradata and BigQuery
- Con guring datasets and tables in BigQuery
- Mapping data types in Teradata to data types in BigQuery
- Mapping and optimizing schemas from Teradata to BigQuery
- SQL translation from Teradata to BigQuery

Who Needs to Attend

Current users of Teradata (Data Engineers, Data Analysts, Data Scientists, Application Developers) migrating to BigQuery.

Prerequisites

Completion of a course covering an introduction to BigQuery (e.g., From Data to Insights with Google Cloud) or equivalent experience using BigQuery.

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VIRTUAL CLASSROOM LIVE	$900 USD	1 Day

Virtual Classroom Live Outline

What is out of scope:

- • Detailed instructions for all activities required to migrate from Teradata to BigQuery.
- • Solutions for every use case of migrating Teradata in BigQuery. Our goal is to create a solid foundation your journey from Teradata to BigQuery
- • This is not a replacement for more detailed BigQuery specific training nor BigQuery documentation.

Course Outline

Module 1: Understanding BigQuery Architecture

- Quick reminder of Teradata architecture
- Overview of BigQuery architecture
- Separation of compute and storage in BigQuery
- BigQuery Slots
- Workload management in BigQuery

Module 2: Creating Datasets and Tables in BigQuery

- Resource Hierarchy in Teradata
- Resource Hierarchy in BigQuery
- Creating resources in BigQuery
- Sharing resources in BigQuery

Module 3: Mapping Data Types

- How data types map from Teradata to BigQuery
- Understand data types unique to BigQuery

Module 4: Schema Mapping and Optimization

- Schema definitions in BigQuery
- Partitioning in BigQuery
- Clustering in BigQuery

Module 5: SQL Translation from Teradata to BigQuery

- SELECT statements
- DML statements
- DDL statements
- UDFs and Procedures

Virtual Classroom Live Labs

- Lab 1: Provisioning and Managing Resources in BigQuery
- Lab 2: Schema Migration to BigQuery
- Lab 3: Writing SQL for BigQuery

Visit us at www.globalknowledge.com or call us at 1-866-716-6688.

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