Migrating Amazon Redshift Users to BigQuery

Category: AI, Data & Analytics | **Vendor:** Google Cloud

Duration: 8.00 hours (1 days) **6.5 CPD Hours** **Rating:** ⭐ 4.6 (5,878 reviews)

Course Information

Delivery Format: Instructor Led - Online

Course Overview

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

About This Course

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Who Should Attend

Current users of Amazon Redshift (Data Engineers, Data Analysts, Data Scientists, Application Developers) migrating to BigQuery

Prerequisites & Entry Requirements

General Prerequisites:

Experience using Amazon Redshift as a data warehouse for managing data and performing SQL analysis. Basic experience with BigQuery is recommended, but not required for this course.

Learning Outcomes

Upon successful completion of this course, participants will be able to:

- Compare architecture and provisioning of resources in Amazon Redshift and BigQuery
- Configure datasets and tables in BigQuery
- Map and compare data types in Amazon Redshift to data types in BigQuery
- Map and optimize schemas from Amazon Redshift to BigQuery
- Translate SQL from Amazon Redshift to BigQuery

Detailed Course Outline

Module 1 - Understanding BigQuery Architecture

- Quick reminder of Amazon Redshift 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 Amazon Redshift
- Resource Hierarchy in BigQuery
- Creating resources in BigQuery
- Sharing resources in BigQuery
- Lab: Provisioning and Managing Resources in BigQuery

Module 3 - Mapping Data Types from Amazon Redshift to BigQuery

- How data types map from Amazon Redshift to BigQuery

- Understand data types unique to BigQuery

Module 4 - Schema Optimization and Mapping

- Schema definitions in BigQuery
- Partitioning in BigQuery
- Clustering in BigQuery
- Lab: Schema Migration to BigQuery

Module 5 - SQL Translation from Amazon Redshift to BigQuery

- SELECT statements
- DML statements
- DDL statements
- UDFs and Procedures
- Lab: Writing SQL for BigQuery

Skills You Will Learn:

- Compare architecture and provisioning of resources in Amazon Redshift and BigQuery
- Configure datasets and tables in BigQuery
- Map and compare data types in Amazon Redshift to data types in BigQuery
- Map and optimize schemas from Amazon Redshift to BigQuery
- Translate SQL from Amazon Redshift to BigQuery

Frequently Asked Questions

Q: What delivery options are available for Migrating Amazon Redshift Users to BigQuery?

We offer multiple delivery formats:

- Live Instructor-Led Classroom Online (Virtual/Live Online)
- Traditional Instructor-Led Classroom Training (ILT)
- On-site delivery at your offices anywhere in United Kingdom
- Private dedicated courses customized for your team

Q: How many CPD hours does this course provide?

The 1-day Migrating Amazon Redshift Users to BigQuery course provides up to 6.5 CPD hours of structured learning. CPD certificates can be provided upon request.

Q: What is the duration of the Migrating Amazon Redshift Users to BigQuery training?

The training takes place over 1 day(s), with each day lasting approximately 8.00 hours including breaks for lunch and refreshments.

Q: Do you provide corporate training for Migrating Amazon Redshift Users to BigQuery?

Yes, we provide corporate training, dedicated training, and closed classes for Migrating Amazon Redshift Users to BigQuery. Training can take place anywhere in United Kingdom including London, Manchester, Birmingham, Edinburgh, or live online allowing teams from across United Kingdom or internationally to attend.

Q: What related terms do people search for?

Popular related searches include: Migrating Amazon Redshift Users to BigQuery, Data Engineering, MARUBQ

Q: Why choose Nexus Human for Migrating Amazon Redshift Users to BigQuery?

Nexus Human is recognized as one of the leading training providers. Our trainers have won multiple awards including:

- Small Firms Best Trainer Award
- National Training Partner of the Year (Ireland) - Multiple Years
- Global Top 30 Instructor Awards (2012, 2019, 2021)
- Tech Excellence Award Nominations
- Learning Performance Institute (LPI) External Training Provider Sponsor 2024

Q: Are there any discount codes available?

Yes! Use discount code **PENPAL5** when booking your Migrating Amazon Redshift Users to BigQuery training. Please note that only one discount code can be used per booking and cannot be combined with other special offers.

Nexus Human

Professional Training & Development

Email: info@nexushuman.com

Website: www.nexushuman.com

Phone: +353 1 889 8700 (Ireland) | +44 20 8142 8961 (UK)

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