

BUSINESS ANALYTICS BY QLIK DATA INTEGRATION AND KAFKA

Date:

22 Feb, 2024 & 29 Feb, 2024 (2 Days)

Time:

10:00 am - 5:00 pm

Venue:

Vantis Solutions Limited
27/F, Easy Tower, 609 Tai Nan West Street,
Cheung Sha Wan, Kowloon, Hong Kong

Language:

Cantonese

Course Fee:

HK\$6,000

COURSE DESCRIPTION

- Learn how the Qlik platform can streamline data integration, transform data into analytics ready, and deliver real-time data and analytics, enabling your team to share key insights that drive organizational value
- Introduce Qlik Replicate and Compose and demonstrate how to create basic task and explore task settings
- Provide general introduction and hands on exercise of basic operations of Confluent Kafka and other supporting features available on Confluent Cloud

Course Outline

DAY 1

PART I: INTRODUCTION TO QLIK DATA INTEGRATION

1. Introduction

- Qlik Cloud End-to-End
- Data Gateway
- Data Movement
- Using Qlik Cloud Data Integration to Onboard and Transform Data

2. Qlik Catalog

- Introduction to Qlik Catalog
- Onboarding Data with Qlik Catalog
- Discover, Prepare, and Publish with Qlik Catalog
- Security
- Administration
- APIs

3. Qlik Replicate

- Introduction to Qlik Replicate
- Console Navigation
- Creating Replication Task
- Filtering and Data Manipulation
- Control Tables
- Data Types
- Connection with Apache Kafka as Target Endpoint
- Connection with MS SQL as Source Endpoint
- Connection with Azure Databricks as Target Endpoint
- Connection from Oracle to Amazon Redshift
- Connection from SAP to MS SQL
- Connection from SAP to Snowflake
- Using SAP Extractor Endpoints

4. Qlik Compose for Data Warehouse

- Introduction to Qlik Compose for Data Warehouse
- Console Navigation
- Data Vaults
- ETL
- ETL Mapping
- ETL Data Rules
- Hard and Soft Deletes

5. Qlik Compose for Data Lakes

- Introduction to Qlik Compose for Data Lake
- Comparison with Qlik Compose for Data Warehouse
- Console Navigation
- Objected by Compose
- Row Level Computation
- Schema Evolution
- Development Operation

Course Outline

DAY 2

PART II: INTRODUCTION TO CONFLUENT KAFKA

1. What is Kafka

- Introduction to Kafka
- Topics
- Partitioning
- Brokers
- Replication
- Producers
- Consumers
- Ecosystem

2. What is Kafka Connect

- Introduction to Kafka Connect
- Connector, Configuration, Converters, and Transforms
- Confluent Cloud Managed Connector API
- Kafka Connect's REST API
- Monitoring Kafka Connect

3. What is Confluent Schema Registry

- Introduction to Confluent Schema Registry
- Establish Client Connection
- The Schema Workflow
- Managing Schemas
- Integrating Schema Registry with Client Applications

4. What is Kafka Streams

- Introduction to Kafka Streams
- Basic Operations
- KTable
- Serialization
- Joins
- Stateful Operations

Enrollment & Inquiry

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