

Qlik Sense Data Architect Masterclass

Introduction

- Course Approach

Qlik Sense Introduction

- Qlik Sense Architecture
- Qlik Sense Tour

Environment Setup

- Qlik Sense Desktop Installation
- Course Folder Structure

Introduction to Qlik Sense Scripting

- Data Load Editor
- Connect, Extract, Load
- Load Fact Tables
- Challenge – Load Fact Table
- Solution – Load Fact Table
- Basic Transformations
- Challenge – Basic Transformations
- Solution – Basic Transformations
- Script Debugging

Synthetic Keys

- Synthetic Keys Basic
- Loading Dimension Tables
- Challenge – Synthetic Key
- Solution – Synthetic Key
- Data Modeling Viewer

Adding Flat Files

- Load Excel Files
- Challenge – Load Suppliers Table
- Solution – Load Suppliers Table
- Challenge – Qualify Statement

- Solution – Qualify Statement
- Variables
- Challenge – Variables
- Solution – Variables
- Include Files
- Challenge – Include Files
- Solution – Include Files

Dealing with Data Model Challenges – Part 1

- Using Record Counters
- Challenge – Record Counters
- Solution – Record Counters
- WHERE Clause
- Resident Load
- WHERE EXIST Clause
- Challenge – WHERE EXIST
- Solution – WHERE EXIST

Master Calendar

- Master Calendar Fundamentals
- FieldValue Function and Flags
- Create a Master Calendar

Mapping Tables

- Mapping Load Fundamentals
- Add Mapping Tables
- Challenge – Mapping Tables
- Solution – Mapping Tables
- Challenge – Preceding Load
- Solution – Preceding Load

Data Model Optimization

- Joins Deep Dive
- Challenge – Join Tables
- Solution – Join Tables
- Concatenation
- Implicit and Forced Concatenation
- Challenge – Concatenate
- Solution – Concatenate

- Consolidate Fact Tables

Dealing with Data Model Challenges – Part II

- Circular Reference
- Cross Table
- Add Cross Table
- Link Table
- Create a Link Table
- Challenge - Class Function
- Solution – Class Function
- Interval Match

All About QVD Files

- QVD Fundamentals
- Creating QVD Files
- Optimized QVD Load

SET Analysis

- Set Analysis Fundamentals
- Create a Chart with Set Expression
- Challenge - Set Modifier
- Solution - Set Modifier
- Aggr()
- Challenge - Set Analysis with Aggr()
- Solution - Set Analysis with Aggr()
- FirstSortedValue Function
- Challenge – FirstSortedValue
- Solution – FirstSortedValue

Section Access

- Introduction
- Chapter Goals
- Layers of Security
- ABAC vs RBAC
- Authentication vs Authorization
- Why Section Access?
- Section Access Basics
- Section Access - App Authorization
- Troubleshooting App Lockdown

- Section Access - Data Authorization

Qualification Project for certification