

# **Data Analytics using Qlik Sense**

**Duration: 04 Days**

**Hour: 08 hour/day**

## **Course Contents**

### **Qlik Sense Introduction and Installation**

How does Qlik Sense vary from QlikView, the need for self-service Business Intelligence/Business Analytics tools, Qlik Sense data discovery, intuitive tool for dynamic dashboards and personalized reports and the installation of Qlik Sense and Qlik Sense Desktop

### **Qlik Sense Features**

Drag-and-drop visualization, Qlik Data indexing engine, data dimensions relationships, connect to multiple data sources, creating your own dashboards, data visualization, visual analytics and the ease of collaboration

### **Qlik Sense Data Model**

Understand data modeling, best practices, turning data columns into rows, converting data rows into fields, hierarchical-level data loading, loading new or updated data from database, using a common field to combine data from two tables and handling data inconsistencies

### **Creating a Data Model**

Qlik Sense data architecture, understanding QVD layer, converting QlikView files to Qlik Sense files and working on synthetic keys and circular references

### **Advanced Data Modeling**

Qlik Sense star schema, link table, dimensions table, master calendar, QVD files and optimizing data modeling

### **Qlik Sense Enterprise**

Qlik Sense enterprise class tools, Qlik Sense custom app, embedding visuals, rapid development, powerful open APIs, enterprise-class architecture, Big Data integration, enterprise security and elastic scaling

## **Qlik Sense Visualization**

Learning about Qlik Sense visualization tools, charts and maps creation, rich data storytelling and sharing analysis visually with compelling visualizations

## **Set Analysis**

Understanding set analysis in Qlik Sense, various parts of a set expression like identifiers, operators, modifiers and comparative analysis

## **Advanced Set Analysis**

Learning about set analysis which is a way of defining a set of data values different from normal set, deploying comparison sets and point-in-time analysis

## **Qlik Sense Charts**

Introduction to various charts in Qlik Sense like line chart, bar chart, pie chart, table chart and pivot table chart and the characteristics of various charts

## **Advanced Charts**

## **Master Library**

Introduction to the Qlik Sense Master Library, its benefits, distinct features and user-friendly applications

## **Qlik Sense Storytelling**

Understanding how to do storytelling in Qlik Sense and the creation of storytelling and story playback

## **Mashups**

Understanding mashups in Qlik Sense, creating a single graphical interface from more than one sources, deploying the mashups flowchart, testing of mashups and the various mashup scenarios like simple and normal

## **Extensions**

Understanding the Qlik Sense Extension, working with it, various templates in Qlik Sense Extension, testing of it, making Hello World dynamic and learning how it works and adding a preview image

## **Security**

Various security aspects of Qlik Sense, content security, security rules, various components of security rules and understanding data reductions and dynamic data reductions and the user access workflow