



QlikView (Next Generation Business Intelligence)

Course Content

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TABLE OF CONTENTS

QlikView for business-users	3
❖ QlikView Basics	3
❖ Navigating in QlikView - General	3
❖ Navigating in QlikView - Specific	3
❖ QlikView Advanced	3
❖ What You Will Learn	3
QlikView for Developers - Basic	4
❖ Introduction to QlikView	4
❖ QlikView architecture blocks	4
❖ Scripting - Basics	4
❖ Data modelling	4
❖ QlikView Objects - Basics	4
❖ Settings & Reports	4
❖ Installing QlikView and Understanding Licensing Policy	4
❖ QlikView Server	4
❖ Exercise: Develop your own QlikView application	4
QlikView for Developers - Advanced	5
❖ Scripting - Advanced	5
❖ Data Modelling - Advanced	5
❖ QlikView Objects - Advanced	5
❖ Types of Loads - Advanced	5
❖ Set Analysis - Advanced	5
❖ QlikView Security - Advanced	5
❖ What's New?	5
❖ Exercise: Enhance your own QlikView application	5



QlikView for business-users

(Duration 4 hours Theory + 4 hours Lab)

Who should attend: Business users keen to analyze data on their own without IT team's help

❖ QlikView Basics

- What is Business Intelligence
- What is QlikView
- How is QlikView different from Transactional systems (ERP)
- How is QlikView different from traditional BI tools
- Brief overview of architecture and In-Memory associations.
- QlikView Basics
 - QlikView terminology
 - QlikView Chart types

❖ Navigating in QlikView - General

- QlikView Selections: Understanding the Green, Gray and White
- Understanding Associative Search
- Stepping back or forward in the list of selections

- Locking/Unlocking selections
- Making multiple selections
- Searching values
- Send to Excel-Print PDF
- Setting bookmarks
- Understand Drilldown group and Cyclic Groups
- Different Modes of accessing QlikView: Desktop / Web: AJAX / Web: Plugin.

❖ Navigating in QlikView - Specific

- Analyzing relevant QlikView dashboards as example

❖ QlikView Advanced

- Access point details
- Collaboration
 - Session Sharing &
 - Annotations

❖ What You Will Learn

By the end of this training, you will be able to:

- Navigate and find your way around in a QlikView application
- Recognize the most common QlikView objects and how to interact with them
- Make selections in QlikView
- Slice, dice and analyze data with little or no guidance
- Get a fair understanding of QlikView as a product



QlikView for Developers - Basic

(Duration 20 hours Theory + 30 hours Lab)

Prerequisites: Good SQL basics, flair for analyzing data and generating meaningful information

❖ Introduction to QlikView

- General data warehousing concepts
- What is Business Intelligence
- Sample QlikView demo Application
 - View from end-user perspective
- Understand the DAR methodology

❖ QlikView architecture blocks

- Development
 - Load Script
 - In-memory Data Model
 - Platform engine
 - Clients
 - Security
- Deployment

❖ Scripting - Basics

- Script Editing - Toolbar/Editor
- Loading data into QlikView
 - Inline
 - Resident
- Load data from Excel, CSV and Database
- What is a QVD file, how to create it
- Why should you use QVD files
- Beware of natural concatenation

❖ Data modelling

- Understand what are facts and dimensions in BI parlance
- What is the difference between a Star and a Snowflake Schema
- Understand QlikView associations
- What are Synthetic keys
- What is a Circular Reference (loosely couple tables)
- Table Viewer (Internal & Source)
- What is a preceding load

❖ QlikView Objects - Basics

- Understand Human behavior and effective ways of designing a UI
- Sheet Basics
 - List Box
 - Table Box
 - Multi Box
 - Text Objects
 - Statistics Box Objects
 - Current Selection box
 - Slider /Calendar Box
- Creating Charts
 - Bar Chart
 - Pie Chart
 - Line Chart
 - Pivot Chart/Straight
 - Bar Chart

❖ Settings & Reports

- Documents Settings
- Sheet Properties
- User Preferences
- Creating Reports

❖ Installing QlikView and Understanding Licensing Policy

- How to install QlikView and apply licenses
- Named Cals
- Documents Cals

❖ QlikView Server

- QlikView Management Console
 - Configuration and settings
- QlikView Access Point
 - Configuration and settings

❖ Exercise: Develop your own QlikView application



QlikView for Developers - Advanced

(Duration 20 hours Theory + 30 hours Lab)

Prerequisites: Good QlikView and SQL basics, aspiring QlikView developers and BI professionals who want to switch from traditional BI to the modern visualization and data discovery world

❖ Scripting - Advanced

- Understand script best practices
- Adding field tags, comments
- Understand several script functions:
 - Join and keep
 - AGGR
 - Exists
 - Qualify
 - Peek
 - Auto Number
 - Dual
 - Interval Match
 - Apply Map
 - Total
- Standard calendar generation script
- Debugging & Tracing and Trouble Shooting

❖ Data Modelling - Advanced

- Handling multiple fact tables
- What are Link Tables
- When to use Link Tables
- How do I create Link Tables
- Understand Data islands

❖ QlikView Objects - Advanced

- Container objects
- Variables, Input box
- Buttons: Actions, Triggers
- Conditional options
 - Display condition on a chart
 - Enablement of Dimensions and Expressions
 - Display of charts
- Enabling Design View options

❖ Types of Loads - Advanced

- Mapping load
- Bundle load
- Buffer load
- Generic load
- Hierarchy() load
- Partial load
- Incremental load
- Binary Load

❖ Set Analysis - Advanced

- Using Dollar Expansion
- What is Set Analysis
- Parts of Set Analysis
- Using Set Analysis in expressions

❖ QlikView Security - Advanced

- Implementing section access to grant role based access to data
- Hidden Script
- Data reduction based on user.
- Data Hiding based on user.
- Tab Security using Section Access
- Object Security using Section Access

❖ What's New?

- Comparative analysis using alternate states
- QlikView Direct discovery

❖ Exercise: Enhance your own QlikView application