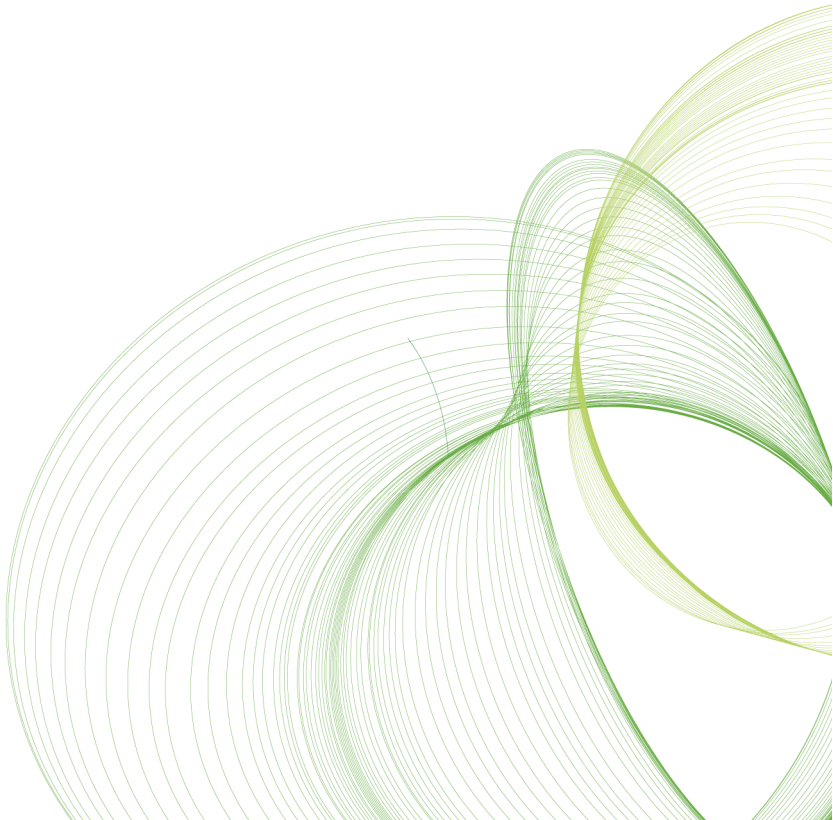


QlikView

Course Catalog

May 2010

QlikView Version 9.00 English



Copyright © 2010 QlikTech International AB, Sweden.

Under international copyright laws, neither the documentation nor the software may be copied, photocopied, reproduced, translated or reduced to any electronic medium or machine-readable form, in whole or in part, without the prior written permission of QlikTech International AB, except in the manner described in the software agreement.

QlikTech® and QlikView® are registered trademarks of QlikTech International AB.

Microsoft, MS-DOS, Windows, Windows NT, Windows 2000, Windows Server 2003, Windows Server 2008, Windows XP, Windows Vista, SQL Server, Excel, Access, Visual Basic, Internet Explorer, Internet Information Server, Visual C++, Visual Studio and MS Query are trademarks of Microsoft Corporation.

IBM, AS/400 and PowerPC are trademarks of International Business Machines Corporation.

Firefox is a trademark of the Mozilla Foundation.

Apple, iPhone, iPod Touch, Safari and MacOS is a trademark of Apple Corporation.

BlackBerry is a trademark of Research In Motion.

This release: QlikView 9.00 Training Courses available as of May 2010

CONTENTS

1 ABOUT THIS GUIDE 3

2 CLASSROOM COURSES ▪ QlikView 9.00 5

Designer I	6
Designer II	7
Developer I	8
Developer II	10
Developer III	11
Set Analysis	12
What's New in Version 9.0	13
System Management - Document Manager	14
System Management - Enterprise Deployment	15
SAP Connector	16

3 e-LEARNING COURSES ▪ QlikView 9.00 17

Build your first QlikView	18
QlikView for End-Users	19
System Management - Overview	20
Designer I	21
Developer I	22

1 ABOUT THIS GUIDE

This guide will help you determine the appropriate training to meet your needs.

QlikView Training

QlikView training is delivered around the world by certified trainers in state-of-the-art training centers and on-site.

Classes are offered on the QlikView product suite, targeted to meet the needs of QlikView users, designers, developers and administrators.

This catalog is organized into two main sections, classes delivered live, by an instructor in a classroom or on site, and e-Learning, classes packaged and delivered electronically for self-study.

It contains the most up-to-date information about current QlikView classes, listed below.

Reminder: As the title of this guide suggests, every course listed here covers QlikView version 9.00, unless otherwise stated in the course description.

Classroom

- Designer I
- Designer II
- Developer I
- Developer II
- Developer III
- Set Analysis
- What's New in Version 9.0
- System Management - Document Manager
- System Management - Enterprise Deployment
- SAP Connector

e-Learning

- Build your first QlikView
- QlikView for End-Users
- System Management - Overview
- Designer I
- Developer I

Contact your account manager for more information about QlikView training.

2 CLASSROOM COURSES • QlikView 9.00

- Designer I
- Designer II
- Developer I
- Developer II
- Developer III
- Set Analysis
- What's New in Version 9.0
- System Management - Document Manager
- System Management - Enterprise Deployment
- SAP Connector

Designer I

Description

QlikView Designer I is an introductory course covering all the basic knowledge required to get started building documents with QlikView. The course is a mixture of demonstrations and hands-on exercises. Topics include user interface layout and design fundamentals, best practices and how to create a QlikView document with sheets, list boxes and charts.

Duration

One day

Prerequisites

None

Who Should Attend

Business Analysts, QlikView Designers, Project Managers, QlikView Developers, QlikView End-Users

Course Outline

- Short introduction to QlikView
- Layout and design fundamentals and best practices
- What to consider when designing a QlikView document
- Definitions and uses of: sheets, sheet objects, list boxes and table boxes
- How to create the QlikView objects mentioned above
- How to use them to solve business problems such as sorting data, entering data, exporting data
- How to create charts in QlikView
- Chart properties, how to edit the format and layout of charts
- How to load a simple list of data into QlikView

Learning Objectives

- Basic understanding of the QlikView product suite
- Introduction to layout and design fundamentals and best practices
- How to build a QlikView document using sheets and some of the common QlikView objects such as list boxes and table boxes
- How to search and analyze data in existing QlikView documents

Designer II

Description

This course complements Designer I. The course is a mixture of demonstrations and hands-on exercises. Designer II takes students to the next level, focusing on user interface layout and design, best practices and reporting. Many more QlikView objects are used, such as gauges, multi-dimensional charts, tables and others. Students build their own QlikView document in a case study exercise at the end of the class.

Duration

One day

Prerequisites

QlikView Designer I

Who Should Attend

Business Analysts, QlikView Designers, QlikView Developers

Course Outline

- Introduction to multi-dimensional objects: pivot and straight tables with multiple expressions
- Advanced charts and objects: tree views in list boxes and mini charts
- Advanced calculations: introduction to Set Analysis and AGGR functions
- Other useful objects
- Reports: creating and managing information
- Business case workshop

Learning Objectives

- Understand and implement document design and layout best practices in creating the user interface of a QlikView document
- Develop complex reports and use multiple and more advanced objects in QlikView documents
- Understand and use time-based analysis
- Hands-on business case with real-world examples summarizing both Designer I and Designer II course content. Student builds a working QlikView document on their own.

Developer I

Course Description:

QlikView Developer I gives students a good start in how to develop QlikView documents, beginning with the source data. The course is a mixture of demonstrations and hands-on exercises, with focus on development: learning about the (data) load script, best practices, data modeling and data-base connectivity.

Duration

One day

Prerequisites

Designer I

Note: Designer II is strongly recommended.

Who Should Attend

Developers, Designers & Power End-Users

Course Outline

- The QlikView environment, deployment options and methods
- Introduction to data and scripting, relational databases and other data structures
- Connecting to ODBC and also OLEDB data sources
- Introduction to the underlying scripting language and best practices in how to use this, including the use of time functions and creating variables
- Overview of data preparation required before starting to develop a QlikView document
- Basic data model overview and understanding of QlikView table viewer
- How to resolve abnormalities in the data structure, such as synthetic keys
- QlikView QVD files: purpose, creation and use

Learning Objectives

- Basic scripting and best practices to structure data load scripts in QlikView
- The importance of time functions and variables
- Understand basic data modeling issues, loading data into QlikView and resolving data structure anomalies with QlikView tools such as the table viewer
- Methods for connecting to data sources: ODBC, OLEDB, others

- QVD files: What is a QVD file? Why is it important? Creation, uses, maintenance.

Developer II

Description

This course complements Developer I. Developer II is a mixture of demonstrations and hands-on exercises focusing on advanced scripting and more complex data modeling issues. The course concludes with a new business case for students to practice their new found skills in building a QlikView document from scratch based on Key Performance Indicators (KPIs).

Duration

Two days

Prerequisites

Developer I

Who Should Attend

Developers

Course Outline

- The script debugger and troubleshooting
- How to add text data and how to generate other data from within the QlikView load script
- Definition of Mapping tables; data structure clean-up and optimization
- More scripting: aggregate data, table joins, concatenation, functions, interval match and other scripting capabilities and tools
- Set Analysis and AGGR Function.
- Data model optimization and performance tuning and how to create incremental loads
- QlikView document level security
- Advanced database connectivity
- Case study: student hands-on

Learning Objectives

- Understand QlikView scripting: how to load data into QlikView, connecting to data sources
- Resolve data structure issues using QlikView tools
- Compare data over time using Set Analysis
- Build advanced expressions
- Troubleshoot with the debugger
- Build a QlikView document based on the case study

Developer III

Description

QlikView Developer III is an advanced workshop course. Through a combination of demonstrations and exercises, students will master scripting, data modeling, performance and design concepts to take their QlikView developer skills to the highest level. This course is recommended for QlikView Developers with at least six months hands-on experience building QlikView documents.

Duration

One day

Prerequisites

Designer I, Designer II (recommended)

Developer I, Developer II (required)

At least six month's experience developing QlikView documents

Who Should Attend

Senior QlikView Developers

Course Outline

- Data Modelling in QlikView
 - QlikView Associated logic
 - Best practices
- Expressions and Calculations
 - Advanced Set Analysis
 - Advanced AGGR
 - Hierarchies
 - Dynamic variables
- Performance and Design
 - Performance tuning
 - Development techniques

Learning Objectives

- Hands-on experience with the most important and useful advanced QlikView document development tools and functions
- Solid understanding of data modeling and table integration approaches
- Good grasp of performance tuning and techniques based on design and development best practices
- Specific business-case examples and sample data

Set Analysis

Description

This class coalesces existing material from previous QlikView classes in the Developer Series and presents new information and more advanced material in the most advanced Set Analysis training available in a packaged course from QlikView.

Duration

One Day

Prerequisites

Designer I, Designer II (required)

Developer I, Developer II (recommended)

At least six month's experience developing QlikView documents

Who Should Attend

Senior QlikView Designers

Course Outline

- Set Analysis Review
- Advanced Set Analysis
- Extending Set Analysis
- Error Checking Set Analysis Expressions

Learning Objectives

- What life was like before Set Analysis
- Dollar-Sign Expansion
- Set Identifiers
- AGGR Function
- Complete exercises using examples of each of these functions
- Modifiers with searches, wildcards
- \$-sign expansion using functions and variables
- P and E Element functions
- Aggregated functions
- Data islands
- Concat() function
- Recognize problems with resulting data
- Define strategies for debugging
- Understand and fix errors
- Validate resolution

What's New in Version 9.0

Description

This course gives users a good understanding of new features of QlikView version 9.00. The course is structured around six themes: Usability and Simplicity, Enterprise Manageability, Integrated Reporting, QlikView Everywhere, Developer Experience and Real Time Information. What's new in Version 9.0 is a mixture of demonstrations and hands on exercises, but also updates and information on how version 9.0 is different, compared to earlier versions.

Duration

1 day

Prerequisites

Previous QlikView knowledge is an advantage

Who Should Attend

QlikView users with knowledge of previous versions

Course Outline

- Learn about the new display objects and graphs in version 9.00 such as mini charts, search objects, tree list box, clickable URLs, how to change a background dynamically, trellis charts, how actions can be used to trigger different events, including document chaining.
- Enterprise manageability, and the new management consoles in Server/Publisher part
- How QlikView personal Edition is different

Learning Objectives

- New objects that are part of the usability and simplicity theme in QlikView Version 9.00
- New enhanced and improved developer experience in QlikView Version 9.00
- Enterprise functionality changes in QlikView Version 9.00

System Management - Document Manager

Description

QlikView System Management - Document Manager focuses on managing QlikView Server and Publisher. Targeting the System Administrator responsible for the day-to-day set-up, operation and on-going management of the environment for the purpose of disseminating QlikView documents.

Duration

One day

Prerequisites

System Management Overview (e-Learning Course)

Who Should Attend

QlikView System Administrators

Course Outline

- Understand and configure the QlikView Server environment
- Understand and deploy options and development methods
- Review the standard installation and upgrade process
- Review QlikView Server
- Review QlikView Publisher
- Review QlikView clients
- Explore the QlikView Enterprise Management Console in detail
- Introduce new capabilities, QlikView Server 9.00
- Manage the QlikView document life-cycle and dissemination

Learning Objectives

This is a technical course for QlikView System Administrators. At the conclusion, you will have experience with (and a good understanding of):

- The QlikView environment
- The QlikView development process methodology
- QlikView deployment options
- QlikView Version 9.0 functionality and upgrading from previous versions
- The QlikView Enterprise Management Console
- The new capabilities of QlikView Server version 9.00
- Hands-on exercises covering the QlikView document life-cycle and dissemination

System Management - Enterprise Deployment

Description

QlikView System Management - Enterprise Deployment focuses on managing QlikView Server and Publisher. Targeting the System Administrator responsible for the configuration, security and advanced scalability and connectivity of larger, more complex enterprise deployments.

Duration

Two days

Prerequisites

System Management - Document Manager (Recommended)

Who Should Attend

QlikView System Administrators, Enterprise

Course Outline

- Explore computing environment considerations
- Explain security set-up
- Introduce functional architecture and logging
- Understand the options for scaling the environment
- Define advanced QlikView Server
- Work through advanced installation and clustering architecture
- Monitor the QlikView Server environment

Learning Objectives

- Computing environment considerations
- Security set-up
- Functional architecture and logging
- Scaling the environment
- Working with QlikView Server
- Working with Publisher
- Advanced installation and clustering architecture
- Monitoring the Server environment

SAP Connector

Description

This one day course will give the participant hands on experience regarding the usage of and maintaining/administering the SAP Connector. Participants will train in a SAP environment using routine installation procedures.

Duration

One day

Prerequisites

No special prerequisites

Who Should Attend

This course is designed for QlikView Developers who will be involved in the deployment of QlikView in an SAP environment.

Course Outline

- SAP Overview
- Connector overview
- Installation Guide
- Transactions ERP
- Security alternatives + SNC
- SQL connector
- Templates at QlikOpedia
- OLAP connector
- ODS Connector

Learning Objectives

By the end of this course you will be able to use, deploy and administer the QlikView SAP Connector.

3 e-LEARNING COURSES • QlikView 9.00

- Build your first QlikView
- QlikView for End-Users
- System Management - Overview
- Designer I
- Developer I

Build your first QlikView

Description

This e-Learning course is a 30 minute introduction to how to build your first QlikView document. The course structure is broken down into four modules, starting with processing data, loading data, building the end-user interface and how to distribute QlikView documents within an organization.

Duration

30 minutes

Prerequisites

None

Who Should Attend

Business Analysts, Project Managers, Designers and Developers

Course Outline

- The process of creating a QlikView document
- Basic data extraction and transformation of data in the QlikView script
- Load the data into QlikView
- Create a QlikView document interface
- Ways of distributing a QlikView document in an organization

What will you learn:

- The steps involved in building a QlikView document
- How to extract data from a basic data source
- How to load data into QlikView and create a simple document user interface
- High-level understanding of how to distribute a document in an organization

QlikView for End-Users

Description

This e-Learning course consists of three modules, starting with an overview of how QlikView works, how you navigate in QlikView and how you generate reports in QlikView. It is an excellent introduction for end-users who want to learn to navigate and get started in QlikView.

Duration

30 minutes

Prerequisites

None

Who Should Attend

End-users

Course Outline

- How to make a selection in QlikView
- How to navigate in QlikView and use QlikView to analyze data
- How to recognize and interact with common QlikView objects
- How to use QlikView reporting
- How to use the bookmark and alerts facility in QlikView

Learning Objectives

- Navigate and find your way round in a QlikView document
- Recognize the most common QlikView objects and how to interact with them
- Make a selection in QlikView
- Use QlikView reporting
- Use bookmarks and alerts in QlikView

System Management - Overview

Description

This e-Learning module gives an overview of QlikView Server and components in QlikView Version 9.00.

Duration

20 minutes

Prerequisites

None

Who Should Attend

System Administrators and Document Managers

Course Outline

- Overview of the QlikView suite with the different components and client options
- Demonstration of QlikView Server standard edition

Learning Objectives

- Overview of the QlikView suite
- Standard installation of QlikView Server
- List major components and their roles
- List client options

Designer I

Description

QlikView Designer I e-Learning is an introduction to creating QlikView documents. Topics include: fundamental user interface layout and design best practices and how to create a QlikView document using basic objects such as sheets, list boxes and charts. It provides the basic information needed to get started building documents with QlikView.

Duration

3 Hours (1½ hours e-Learning, 1½ hours exercises)

Prerequisite

None

Who Should Attend

Business Analysts, Designers, Project Managers, Developers and End-Users

Course Outline

- Short introduction to QlikView
- Layout and design best practices
- Definition of sheets, sheet objects, list boxes and a table boxes
- Steps to create sheets, sheet objects, list boxes and a table boxes
- How data is loaded into a QlikView document, the basics

Learning Objectives

- Good QlikView document and user interface design
- How to build a QlikView document using sheets and some of the common QlikView objects such as list boxes and table boxes
- How to search and analyze data within a QlikView document

Developer I

Description

QlikView Developer I gives students a good start in how to develop QlikView documents, beginning with the source data. The course is a mixture of demonstrations and hands-on exercises, with focus on development: learning about the (data) load script, best practices, data modeling and database connectivity.

Duration

4 Hours (2 hours e-Learning + 2 hours exercises)

Prerequisites

Designer I (required)
Designer II (recommended)

Who Should Attend

Developers, Designers and Power End-Users

Course Outline

- The QlikView environment
- Introduction to data and scripting, relational databases and other data sources
- Connecting to ODBC and also other OLEDB data sources
- Introduction to the underlying scripting language and best practices, including time functions and how to create variables
- Overview of data analysis and preparation for developing a QlikView document
- Data model overview, understanding QlikView data structure
- QlikView QVD files: why, how and when to use them.

Learning Objectives

- Navigate in the script editor
- Use functions and write script as well as best practices on how to structure scripts.
- Use time specific functions and create variables
- Understand the data modeling issues; loading data into QlikView and resolving data structure abnormalities
- Use the table viewer to view your data.
- Connect to data sources using ODBC or OLEDB.
- Create and use QVD files