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## QlikView training

3 days (21 hours)

### Presentation

Our QlikView training course will help you master the transformation of enterprise data into powerful, interactive visualization applications.

With this training course, you'll learn how to create effective data models, design dynamic dashboards and optimize the performance of your QlikView applications.

At the end of this course, you'll be able to load and integrate data from a variety of sources, manipulate and model data with [QlikView's](#) scripting language, and develop effective, interactive visualizations.

As with all our training courses, this one will feature the [latest](#) QlikView [resources](#) and best practices.

### Objectives

- Master the QlikView environment and its components
- Load and integrate data from various sources
- Manipulate and model data with QlikView's scripting language
- Create and optimize interactive and dynamic visualizations
- Ensuring the security and performance of QlikView applications

### Target audience

- Developers
- Database administrators
- Data analysts
- BI Managers
- BI Consultants

# PREREQUISITES

- Application design basics
- Knowledge of data manipulation and SQL

# QLIKVIEW TRAINING PROGRAM

## INTRODUCTION TO QLIKVIEW

- Overview of QlikView and its components
- Discovering the QlikView user interface
- Basic principles of data visualization
- Review of typical QlikView use cases
- Discussion on the importance of data analysis in business decisions

## ARCHITECTURE AND DEPLOYMENT

- Understanding QlikView architecture
- Installing and configuring QlikView Server and QlikView Publisher
- Differences and uses of the various QlikView clients
- Security and administration via QlikView Management Console
- Best practices for deployment and maintenance

## DATA LOADING AND INTEGRATION

- Connecting to relational databases and using SQL
- Techniques for integrating data from Excel, flat files and other sources
- Using "Direct Discovery" to load data
- Practical workshop on data loading
- Error handling during data integration

## DATA HANDLING AND MODELING

- Using QlikView's scripting language for data manipulation
- Techniques for optimizing application performance through modeling
- Management of summary tables and circular references
- Workshop: Scripting and data modeling
- Documentation and comments in scripts

## EXPRESSIONS AND VISUALIZATION

- Development of complex graphical expressions

- Create effective, interactive visualizations
- Advanced use of drop-down lists and dynamic tables
- Workshop: Putting visualizations and expressions into practice
- Best practices for dashboard design

## PERFORMANCE AND OPTIMIZATION

- Tuning techniques
- Incremental data integration scenarios
- Workshop: Analyzing and optimizing application performance
- Real-time performance monitoring and adjustment
- Tips for managing large volumes of data

## SECURITY IN QLIKVIEW

- Configuring access rights with "Section Access" management
- Restriction of functionality by user profile
- Workshop: Setting up security in a QlikView application
- Best practices for securing data and applications

## DEBUGGING AND MAINTENANCE

- Using QlikView's debugger to solve runtime problems
- Application maintenance and documentation techniques
- Workshop: Debugging and error correction in scripts
- Strategies for ensuring the longevity and efficiency of QlikView applications

## FINAL WORKSHOP AND CASE STUDY

- Applying learned concepts to a real project
- End-to-end QlikView application development
- Review of key points and best practices
- Project peer review and feedback
- Q&A and closing session

## Companies concerned

This course is aimed at both individuals and companies, large or small, wishing to train their teams in a new advanced computer technology, or to acquire specific business knowledge or modern methods.

## Positioning on entry to training

Positioning on entry to training complies with Qualiopi quality criteria. As soon as enrolment is confirmed, the learner receives a self-assessment questionnaire enabling us to

assess their estimated level of proficiency in different types of technology, and their expectations and personal objectives for the training to come, within the limits imposed by the selected format. This questionnaire also enables us to anticipate any connection or internal security difficulties within the company (intra-company or virtual classroom) that could be problematic for the follow-up and smooth running of the training session.

## Teaching methods

Practical course: 60% Practical, 40% Theory. Training material distributed in digital format to all participants.

## Organization

The course alternates theoretical input from the trainer, supported by examples, with brainstorming sessions and group work.

## Validation

At the end of the session, a multiple-choice questionnaire verifies the correct acquisition of skills.

## Sanction

A certificate will be issued to each trainee who completes the course.