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Sign up

Advanced Power Query training

3 days (21 hours)

Presentation

Our Power Query Advanced training course will enable you to deepen your knowledge of this data automation tool. The course will enable you to become an expert in Power Query. You'll cover the full range of Power Query's advanced themes and discover the breadth of its environment. During our course, we'll teach you advanced data transformation, ['M' code](#) reading and advanced queries. By the end of the course, you'll have all the advanced skills you need, and all the learning resources you need to master the advanced components. As with all our training courses, this one will introduce you to the [latest](#) Power Query [features](#).

Objectives

- How to create data analyses
- Create with the advanced 'M' language editor to control processes
- Find and use unique functions to transform your data

Target audience

Excel users.

Prerequisites

Knowledge of Power Query.

Power Query Advanced training program

Introduction

- Overview
- Data preparation
- Advanced data transformation
- Query optimization
- Customized functions

Advanced queries

- Functions and formulas
- Power Query formula reference
- Reference sheet
- Formula bar
- Custom query

Code 'M

- Read code 'M
- Rename steps to simplify 'M' code
- Add comments to code 'M
- Query manager in the editor

Real-life scenarios

- Data extraction from the Web
- Integrating data from multiple sources
- Data cleansing and transformation
- Data analysis and reporting

Query diagnostics

- What is Query Diagnostics?
- Understanding folding with Query Diagnostics
- Reading query diagnostics
- Recording query diagnostics

Fuzzy matching

- Adjusting the similarity threshold

- Special considerations for the processing table
 - Transformation table in fuzzy fusion queries
 - Transformation table for cluster values
 - Group transformation

Limits and problems

- Folding requests
- Native database query security

Optimize Power Query for table column expansion

- Original painting
- Load secondary table
- Join the two tables using the respective column names

Excessive requests

- Connector design
- Loading into the Power BI Desktop model
- Data confidentiality analysis
- Various background tasks in the Power Query editor

Companies concerned

This training 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 at the start of training complies with Qualiopi quality criteria. As soon as registration is finalized, the learner receives a self-assessment questionnaire which enables us to assess his or her estimated level of proficiency in different types of technology, as well as his or her 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 security difficulties within the company (intra-company or virtual classroom) which 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.