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Sign up

Training for Power BI Data Analyst Associate© Certification

ALL-IN-ONE: EXAMINATION INCLUDED IN PRICE

3 days (21 hours)

Presentation

The Power BI Data Analyst Associate© certification is the key to demonstrating your expertise in using Power BI for data visualization and analysis.

The Power BI Data Analyst Associate© certification exam covers a range of essential modules to assess your skills in data preparation, modeling, visualization and analysis using Power BI.

These modules include :

- Connection to various data sources
- Data transformation
- Creating efficient data models
- Designing powerful visualizations

Our program is specially designed to prepare you to pass the certification exam. With structured content, our program guides you through every crucial aspect of Power BI, providing you with the skills and knowledge you need to excel in your role as a data analyst.

As with all our training courses, this one will introduce you to the latest version of Power BI.

Objectives

- Master the navigation and exploration of key Power BI functions

- Understand the principles of data modeling and how to create relationships between tables
- Learn more about DAX
- Design attractive interactive visualizations and create effective dashboards

Target audience

- Management controllers
- Data analysts
- IT specialists
- Business Analysts

Prerequisites

- Master how to use Power Query and write Data Analysis Expressions (DAX)
- How to assess data quality
- Understand the importance of data security, including line-level security and data confidentiality

Note: Ambient IT is not the owner of Power BI Data Analyst Associate©, this certification belongs to Microsoft©, Inc.

POWER BI DATA ANALYST ASSOCIATE TRAINING PROGRAM

DAY 1: DISCOVERING AND GETTING TO GRIPS WITH POWER BI

- Introduction to data analysis and its strategic importance
- Navigating the Power BI interface and exploring key functions
- Creating your first Power BI report and dashboard
- Connect to different data sources and import into Power BI
- Practical exercises: Setting up a Power BI environment and creating a simple report

DATA CLEANSING AND TRANSFORMATION

- Using Power Query for data cleansing and transformation
- Application of standard and advanced transformations to prepare data
- Introduction to Power Query M functions for customized transformations
- Practical exercises: Cleaning a dataset and preparing for analysis
- Discussion of best practices for data management in Power BI

DATA MODELING AND BASIC DAX

- Design principles for an effective semantic model in Power BI
- Creating relationships between tables and understanding their impact on analyses
- Introduction to measurements and columns calculated with DAX
- Practical exercises: Creating a simple data model with relationships and measurements
- Discussion of best practices in performance modeling

DAY 2: ADVANCED DAX AND TEMPORAL INTELLIGENCE

- Advanced DAX functions for complex calculations
- Using DAX time intelligence functions in models
- Practical exercises: Writing advanced measurements and time analysis
- Techniques for debugging and optimizing DAX expressions
- Discussion of the strategic use of DAX in business scenarios

VISUALIZATION AND REPORT DESIGN

- Design principles for interactive and attractive data visualizations
- Customize reports according to end-user needs
- Advanced use of graphs, tables, maps and other visualizations
- Practical exercises: Creating advanced visualizations and designing a report
- Techniques to improve user experience and report readability

ADVANCED ANALYSIS AND DASHBOARDS

- Advanced analysis techniques to uncover trends and insights
- Creating and managing interactive dashboards in Power BI
- Practical exercises: Data analysis and dashboard creation
- Discussion of effective communication of analysis results
- Strategies for publishing and sharing insights

DAY 3: COLLABORATION AND WORKSPACE MANAGEMENT

- Creating and managing workspaces in Power BI for effective collaboration
- Authorization and data security management
- Practical exercises: workspace configuration and team collaboration
- Techniques for sharing reports and working on shared datasets
- Discussion of semantic model maintenance and administration

SAFETY AND PERFORMANCE OPTIMIZATION

- Implement line-level security to restrict data access
- Model optimization techniques to improve report performance
- Practical exercises: Application of line-level safety and model optimization
- Discussion of current performance challenges and possible solutions
- Tips for monitoring and auditing reports in Power BI Service

REVISION AND EXAM PREPARATION

- Review of key concepts and best practices in Power BI
- Tips for preparing for the "Power BI Data Analyst Associate" exam
- Practical exercises: Creation of a mini-project incorporating the skills acquired
- Question-and-answer session to clarify doubts and reinforce understanding
- Guidance on additional resources and next steps to continue learning

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.