

MDAI-14 - MOC DA-100T00 - ANALYZING DATA WITH POWER BI

Categoria: **Data & AI**

INFORMAZIONI SUL CORSO



Durata:
4 Giorni



Categoria:
Data & AI



Qualifica Istruttore:
Microsoft Certified
Trainer



Dedicato a:
Professionista IT



Produttore:
Microsoft

OBIETTIVI

- Ingest, clean, and transform data
- Model data for performance and scalability
- Design and create reports for data analysis
- Apply and perform advanced report analytics
- Manage and share report assets
- Create paginated reports in Power BI

PREREQUISITI

Successful Data Analysts start this role with experience of working with data in the cloud.

Specifically:

- Understanding core data concepts.
- Knowledge of working with relational data in the cloud.
- Knowledge of working with non-relational data in the cloud.
- Knowledge of data analysis and visualization concepts.

You can gain the prerequisites and a better understanding of working with data in Azure by completing [Microsoft Azure Data Fundamentals](#) before taking this course.

CONTENUTI

Module 1: Get Started with Microsoft Data Analytics

- Data Analytics and Microsoft
- Getting Started with Power BI
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Lab : Getting Started

- Getting Started

Module 2: Prepare Data in Power BI

- Get data from various data sources

- Optimize performance
- Resolve data errors

Lab : Preparing Data in Power BI Desktop

- Prepare Data

Module 3: Clean, Transform, and Load Data in Power BI

- Data shaping
- Enhance the data structure
- Data Profiling

Lab : Transforming and Loading Data

- Loading Data

Module 4: Design a Data Model in Power BI

- Introduction to data modeling
- Working with tables
- Dimensions and Hierarchies

Lab : Data Modeling in Power BI Desktop

- Create Model Relationships
- Configure Tables
- Review the model interface
- Create Quick Measures

Lab : Advanced Data Modeling in Power BI Desktop

- Configure many-to-many relationships
- Enforce row-level security

Module 5: Create Model Calculations using DAX in Power BI

- Introduction to DAX
- DAX context
- Advanced DAX

Lab : Introduction to DAX in Power BI Desktop

- Create calculated tables
- Create calculated columns
- Create measures

Lab : Advanced DAX in Power BI Desktop

- Use the CALCULATE() function to manipulate filter context
- use Time Intelligence functions

Module 6: Optimize Model Performance

- Optimize the model for performance
- Optimize DirectQuery Models
- Create and manage Aggregations

Module 7: Create Reports

- Design a report

- Enhance the report

Lab : Designing a report in Power BI

- Create a live connection in Power BI Desktop
- Design a report
- Configure visual fields and format properties

Lab : Enhancing Power BI reports with interaction and formatting

- Create and configure Sync Slicers
- Create a drillthrough page
- Apply conditional formatting
- Create and use Bookmarks

Module 8: Create Dashboards

- Create a Dashboard
- Real-time Dashboards
- Enhance a Dashboard

Lab : Designing a report in Power BI Desktop - Part 1

- Create a Dashboard
- Pin visuals to a Dashboard
- Configure a Dashboard tile alert
- Use Q&A to create a dashboard tile

Module 9: Create Paginated Reports in Power BI

- Paginated report overview
- Create Paginated reports

Lab : Creating a Paginated report

- Use Power BI Report Builder
- Design a multi-page report layout
- Define a data source
- Define a dataset
- Create a report parameter
- Export a report to PDF

Module 10: Perform Advanced Analytics

- Advanced Analytics
- Data Insights through AI visuals

Lab : Data Analysis in Power BI Desktop

- Create animated scatter charts
- Use the visual to forecast values
- Work with Decomposition Tree visual
- Work with the Key Influencers visual

Module 11: Create and Manage Workspaces

- Creating Workspaces
- Sharing and Managing Assets

Lab : Publishing and Sharing Power BI Content

- Map security principals to dataset roles
- Share a dashboard
- Publish an App

Module 12: Manage Datasets in Power BI

- Parameters
- Datasets

Module 13: Row-level security

- Security in Power BI

INFO

Esame: DA-100 - Analyzing and Visualizing Data with Microsoft Power BI

Manuale: Materiale didattico ufficiale Microsoft in formato digitale

Prezzo manuale: 210 € incluso nel prezzo del corso a Calendario

Natura del corso: Operativo (previsti lab su PC)