

MDAI-19 - MOC DP-500T00 - DESIGNING AND IMPLEMENTING ENTERPRISE-SCALE ANALYTICS SOLUTIONS USING MICROSOFT AZURE AND MICROSOFT 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

This course covers methods and practices for performing advanced data analytics at scale. Students will build on existing analytics experience and will learn to implement and manage a data analytics environment, query and transform data, implement and manage data models, and explore and visualize data. In this course, students will use Microsoft Purview, Azure Synapse Analytics, and Power BI to build analytics solutions.

PREREQUISITI

Before attending this course, it is recommended that students have:

- A foundational knowledge of core data concepts and how they're implemented using Azure data services. For more information see the course DP-900T00 - Azure Data Fundamentals.
- Experience designing and building scalable data models, cleaning and transforming data, and enabling advanced analytic capabilities that provide meaningful business value using Microsoft Power BI. For more information see the course PL-300T00 - Power BI Data Analyst.

CONTENUTI

Explore Azure data services for modern analytics

Understand concepts of data analytics

Explore data analytics at scale

Introduction to Microsoft Purview

Discover trusted data using Microsoft Purview

Catalog data artifacts by using Microsoft Purview

Manage Power BI assets by using Microsoft Purview

Integrate Microsoft Purview and Azure Synapse Analytics

Introduction to Azure Synapse Analytics

Use Azure Synapse serverless SQL pool to query files in a data lake

Analyze data with Apache Spark in Azure Synapse Analytics

Analyze data in a relational data warehouse

Choose a Power BI model framework

Understand scalability in Power BI

Create and manage scalable Power BI dataflows

Create Power BI model relationships

Use DAX time intelligence functions in Power BI Desktop models

Create calculation groups

Enforce Power BI model security

Use tools to optimize Power BI performance

Understand advanced data visualization concepts

Monitor data in real-time with Power BI

Create paginated reports

Provide governance in a Power BI environment

Facilitate collaboration and sharing in Power BI

Monitor and audit usage

Provision Premium capacity in Power BI

Establish a data access infrastructure in Power BI

Broaden the reach of Power BI

Automate Power BI administration

Build reports using Power BI within Azure Synapse Analytics

Design a Power BI application lifecycle management strategy

Create and manage a Power BI deployment pipeline

Create and manage Power BI assets

INFO

Esame: DP-500 - Designing and Implementing Enterprise-Scale Analytics Solutions Using Microsoft Azure and Microsoft Power BI

Materiale didattico: Materiale didattico ufficiale Microsoft in formato digitale

Costo materiale didattico: incluso nel prezzo del corso a Calendario

Natura del corso: Operativo (previsti lab su PC)