PL-300T00 - Design and manage analytics solutions using Power BI

Microsoft - Power Platform - Business Intelligence

Durata:	Lingue:	Certificazione:
3 Giorni	**Italiano**	**Microsoft Certified: Power BI Data Analyst Associate**

Descrizione del corso

This course covers the various methods and best practices that are in line with business and technical requirements for modeling, visualizing, and analyzing data with Power BI. The course will show how to access and process data from a range of data sources including both relational and non-relational sources. Finally, this course will also discuss how to manage and deploy reports and dashboards for sharing and content distribution. The audience for this course are data professionals and business intelligence professionals who want to learn how to accurately perform data analysis using Power BI. This course is also targeted toward those individuals who develop reports that visualize data from the data platform technologies that exist on both in the cloud and on-premises.

This course is part of "Microsoft Certified: Power BI Data Analyst Associate" Certification.

Programma

1. Get started with Microsoft data analytics

Explore the role of a data analyst and how Power BI tools transform data into impactful reports and dashboards that support trusted, data-driven decisions across the business.

– Discover data analysis
– Get started building with Power BI
– Introduction to end-to-end analytics using Microsoft Fabric
– Get started with Copilot in Power BI

2. Prepare data for analysis with Power BI

You'll learn how to use Power Query to extract data from different data sources, choose a storage mode, and connectivity type. You'll also learn to profile, clean, and load data into Power BI before you model your data.

– Get data in Power BI
– Clean, transform, and load data in Power BI
– Choose a Power BI model framework

3. Model data with Power BI

Data modeling configures and shapes your prepared data to design a semantic model with the necessary relationships and calculations using Data Analysis Expressions (DAX). This process ensures accurate analysis and sets you up to create clear, impactful Power BI reports.

– Configure a semantic model
– Write DAX formulas for semantic models
– Create DAX calculations in semantic models
– Use DAX time intelligence functions in semantic models
– Create visual calculations in Power BI Desktop
– Optimize a model for performance in Power BI

4. Design effective reports in Power BI

Use data visualization and storytelling techniques to create insightful, dynamic Power BI reports that engage users, highlight key findings, and help inform decisions based on data.

– Scope report design requirements
– Design Power BI reports
– Enhance Power BI report designs for the user experience
– Perform analytics in Power BI

5. Manage and secure Power BI

Ensure content is accessible and distributed effectively in Power BI to foster collaboration and informed decision-making. Protect sensitive information with robust security, building trust across your organization.

– Manage workspaces in Power BI service
– Manage semantic models in Power BI
– Choose a content distribution method
– Create dashboards in Power BI

– Secure data access in Power BI

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