PL-300: Microsoft Power BI Data Analyst   (3 Days)

Course Overview

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.

Who Can Benefit

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.

Skills gained

- 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

Course Outline

Module 1: Get Started with Microsoft Data Analytics
- Data Analytics and Microsoft
- Getting Started with Power BI

Module 2: Getting Data in Power BI
- Data Analytics and Microsoft
- Optimize Performance
- Resolve Data Errors

Module 3: Cleaning, Transforming, and Loading Data in Power BI
- Shaping the Data
- Profiling the Data
- Enhance the data structure

Module 4: Design a Data Model in Power BI
- Introduction to data modeling
- Working with tables
- Dimensions and Hierarchies

Module 5: Create Model Calculations using DAX in Power BI
- Introduction to DAX
- Real-time dashboards
- Advanced DAX

Module 6: Optimize Model Performance in Power BI
- Optimize the data model for performance
- Optimize DirectQuery Models

Module 7: Create Reports in Power BI
- Design a report
- Enhance the report

Module 8: Create Dashboards in Power BI
- Create a Dashboard
- Real-time Dashboards
- Enhance a Dashboard

Module 9: Identify Patterns and Trends in Power BI
- Advanced Analytics
- Data Insights through AI visuals

Module 10: Create and Manage Workspaces in Power BI
- Creating Workspaces
- Sharing and Managing Assets

Module 11: Manage Files and Datasets in Power BI
- Parameters
- Datasets

Module 12: Row-level Security in Power BI
- Security in Power BI