



# PL-300 Certification Exam: Microsoft Power BI Data Analyst Training

## Course Overview

PL-300 is a Microsoft certification exam focusing on the tool Power BI, including designing solutions, creating solutions, implementing solutions, and supporting organizational adoption of the Power Platform.

The Microsoft PL-300 Power BI course is structured to provide instruction on utilizing Power BI, a business intelligence tool that empowers users to analyze and visualize data from diverse sources. PL-300 power bi course covers the following topics:

**Introduction to Power BI:** This section provides an overview of Power BI, including its capabilities, architecture, and data sources.

**Connecting to Data:** This section establishes connections with diverse data sources, such as Excel, SQL Server, and cloud-based data sources.

**Data Modeling:** This section teaches you how to create relationships between tables, create calculated columns and measures, and create hierarchies.

**Visualizations:** This section covers how to create and customize visualizations, including tables, charts, maps, and gauges.

**Dashboards and Reports:** This section covers creating dashboards and reports to visualize data meaningfully and share them with others.

**Publishing and Sharing:** This section covers how to publish and share dashboards and reports with others in your organization.

**Power BI Service:** This section covers the Power BI service, including how to access it, workspaces, and collaboration.

The pl 300 certification course typically includes hands-on labs and exercises to help you practice and reinforce what you've learned. Upon completing the course, you should have a solid understanding of Power BI and be able to create visualizations, dashboards, and reports that enable users to gain insights from their data.

## Key Features

- Our comprehensive curriculum aligns with Microsoft exam objectives and covers data modeling, visualization, dashboards, data connectivity, and more for the PL-300 exam.
- Our hands-on approach emphasizes practical experience, and our certified instructors bring expertise and industry experience in Power BI
- Through interactive labs and exercises, you can apply learned concepts in real-world scenarios, solidifying understanding and building confidence in effective Power BI usage.
- Our PL-300 exam preparation assistance enhances familiarity with the exam format, identifies areas for improvement, and increases your chances of passing the PL-300 exam successfully.
- Check out our reviews, testimonials, and recommendations from past clients and training. It is the perfect blend of an instructor-led course and hands-on lab environment, helping us to get insight into the tool Power BI.

## Who should Enroll for this Course?

This course is intended for the following audience:

- This PL-300 Power BI course tailors' business intelligence professionals seeking to elevate their data analysis and visualization expertise.
- The training program is structured for data analysts aiming to develop proficiency in utilizing the Power BI tool for data analysis.
- This course caters to data scientists who seek to leverage Power BI to craft impactful and engaging data visualizations.
- The instructor-led course intends for IT professionals interested in acquiring the skills to build data models and dashboards utilizing Power BI.
- Microsoft PL 300 certification course aims at project managers who wish to enhance their comprehension of data analysis and visualization techniques, enabling them to manage projects with a data-driven approach effectively
- PL-300 Power BI course welcomes individuals curious to expand their knowledge of data analysis and visualization, regardless of their background or prior experience.
- What are the prerequisites for the PL-300 course?
- Experienced data analysts often embark on their roles with a foundation of prior experience with data visualization products and services such as Microsoft Power BI
- Understanding of both on-premises and cloud-based data repositories
- A fundamental understanding of Azure data services

## Module 1 Prepare the Data

### *Clean, Transform, and Load the Data*

- Profile the data
- Resolve inconsistencies, unexpected or null values, and data quality issues
- Identify and create appropriate keys for joins
- Evaluate and transform column data types
- Shape and transform tables
- Combine queries
- Apply user-friendly naming conventions to columns and queries
- Configure data loading
- Resolve data import errors

### *Get Data from Different Data Sources*

- Identify and connect to a data source
- Change data source settings
- Select a shared dataset or create a local dataset
- Select a storage mode
- Use Microsoft Dataverse
- Change the value in a parameter
- Connect to a data flow

## Module 2      Model the Data

### *Design a data model*

- Define the tables
- Configure table and column properties
- Design and implement role-playing dimensions
- Define a relationship's cardinality and cross-filter direction
- Design a data model that uses a star schema
- Create a common date table

### *Develop a data model*

- Create calculated table
- Create hierarchies
- Create calculated columns
- Implement row-level security roles
- Use the Q&A feature

### *Create model calculations by using DAX*

- Create basic measures by using DAX
- Use CALCULATE to manipulate filters
- Implement Time Intelligence using DAX
- Replace implicit measures with explicit measures
- Use basic statistical functions
- Create semi-additive measures
- Use quick measures

### *Optimize model performance*

- Remove unnecessary rows and columns
- Identify poorly performing measures, relationships, and visuals
- Reduce cardinality levels to improve performance

## Module 3 Visualize and Analyze the Data

### *Create reports*

- Add visualization items to reports
- Choose an appropriate visualization type
- Format and configure visualizations
- Use a custom visual
- Apply and customize a theme
- Configure conditional formatting
- Apply slicing and filtering
- Configure the report page
- Use the Analyze in Excel feature
- Choose when to use a paginated report

### *Create dashboards*

- Manage tiles on a dashboard
- Configure mobile view
- Use the Q&A feature
- Add a Quick Insights result to a dashboard
- Apply a dashboard theme
- Pin a live report page to a dashboard

### *Enhance reports for usability and storytelling*

- Configure bookmarks
- Create custom tooltips
- Edit and configure interactions between visuals
- Configure navigation for a report
- Apply sorting

- Configure Sync Slicers
- Group and layer visuals by using the selection pane
- Drilldown into data using interactive visuals
- Export report data
- Design reports for mobile devices

#### *Identify patterns and trends*

- Use the Analyze feature in Power BI
- Identify outliers
- Choose between continuous and categorical axis
- Use groupings, binnings, and clustering
- Use AI visuals
- Use the Forecast feature
- Create reference lines by using the Analytics pane

## Module 4    Deploy and Maintain Assets

#### *Manage Files and Datasets*

- Identify when a gateway is required
- Configure a dataset scheduled refresh
- Configure row-level security group membership
- Provide access to datasets
- Manage global options for files

#### *Manage Workspaces*

- Create and configure a workspace
- Assign workspace roles
- Configure and update a workspace app
- Publish, import, or update assets in a workspace
- Apply sensitivity labels to workspace content
- Configure subscriptions and data alerts
- Promote or certify Power BI content

# About CloudThat

CloudThat is the first company in India to offer Cloud Training & Consulting services for mid-market & enterprise clients from across the globe. Since our inception in 2012, we have trained over 500K IT professionals from fortune 500 companies on technologies such as Microsoft Azure, Amazon Web Services, VMware, Artificial Intelligence, Machine Learning, Google Cloud, IoT, OpenStack, OpenShift, DevOps, Big Data, Kubernetes, and more.

With an expertise in major Cloud platforms, CloudThat is a proud Microsoft Gold Partner, AWS Authorized Training Partner, VMware Authorized Training Reseller, and Google Cloud Platform Partner. Till date we have conducted successful corporate training for some of the fortune 500 companies which includes Accenture, Deloitte, Infosys, Fidelity, HCL, Intuit, GE, TCS, HP, SAP, Oracle, Western Union, Philips, Flipkart, L&T and Samsung, just to name a few. We have presence in Bengaluru, Mumbai, USA & UK, offering on-site and pre-scheduled public batches in different IT centric cities of India and Overseas. Overseas.

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Professionals trained

**350+**  
Projects delivered

**600+**  
Cloud certifications

To know more about our cloud certification training, email at [sales@cloudthat.com](mailto:sales@cloudthat.com) or call us at **+918880002200**.