

# Power BI Administration

**Duration 3 days (24 hours)**

## Who Should Attend

- IT professionals responsible for Power BI deployment and management.
- Data analysts seeking to enhance their administration skills.
- Business users interested in understanding the administrative aspects of Power BI.

## Course Overview

In this intensive 3-day course, you'll dive into the world of Power BI administration. Whether you're an IT professional, data analyst, or business intelligence enthusiast, this course equips you with the skills needed to effectively manage and optimize your Power BI environment.

### Day 1: Introduction to Power BI Administration

#### 1. Understanding Power BI Administration

- Role and responsibilities of Power BI administrators
- Overview of Power BI service components
- Live Demonstration: Navigating the Power BI admin portal
- Lab: Setting up your Power BI tenant and configuring basic settings

#### 2. Provisioning and Configuring Power BI Service

- Tenant settings and configuration
- Licensing and capacity management
- Workspace creation and management
- Live Demonstration: Configuring workspace permissions
- Lab: Creating workspaces and managing users

#### 3. Monitoring and Troubleshooting

- Usage metrics and auditing
- Diagnosing issues and resolving common problems
- Handling service incidents
- Live Demonstration: Monitoring resource usage
- Lab: Troubleshooting common Power BI issues

### Day 2: Data Sources, Connectivity, and Modeling

#### 4. Data Sources and Connectivity

- Connecting to on-premises and cloud data sources
- Gateway configuration
- Live Demonstration: Setting up data source connections
- Lab: Configuring gateways and data refresh schedules

#### 5. Data Modeling in Power BI

- Creating relationships between tables
- DAX calculations and measures
- Performance optimization techniques
- Live Demonstration: Building a data model
- Lab: Designing efficient data models

### Day 3: Reports, Dashboards, Security, and Collaboration

#### 6. Creating Reports and Dashboards

- Building visuals using Power BI Desktop
- Publishing reports to the Power BI service
- Dashboard design best practices
- Live Demonstration: Designing interactive dashboards
- Lab: Creating a sample report and dashboard

#### **7. Security and Permissions**

- Role-based access control (RBAC)
- Row-level security (RLS)
- Data protection and compliance
- Live Demonstration: Designing interactive dashboards
- Lab: Creating a sample report and dashboard

#### **8. Workspace Collaboration and Administration**

- Collaborating within workspaces
- Content distribution and sharing
- Live Demonstration: Designing interactive dashboards
- Lab: Creating a sample report and dashboard