



MICROSOFT TRAINING

Power Bi Mastery Data Flow Management Administration Course

Master Power BI Data Flow Management and administration. Optimize your data solutions for efficiency and reliability.

DURATION

16 hours

LEVEL

Intermediate

FORMAT

Instructor-Led

- Globally Recognized Certification

- Expert-Led Hands-On Training

- Flexible Scheduling

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COURSE OVERVIEW

This intermediate-level "Power BI Mastery Data Flow Management Administration Course" is meticulously designed for IT professionals, data analysts, and BI developers seeking to elevate their Power BI expertise beyond report creation. It delves deep into the critical aspects of data flow management and administration, empowering participants to build, optimize, and govern robust data pipelines within the Microsoft Power BI ecosystem. You'll gain mastery over Power Query Online, understand data flow architecture, implement best practices for data transformation, and ensure data integrity and security across your organization's Power BI environment. Throughout this 16-hour immersive program, you will learn to administer Power BI workspaces, monitor data flow health, implement data refresh strategies, and troubleshoot common issues. Key technologies covered include Power Query Online, Dataverse (formerly Common Data Service), and various data connectors within the Power BI Service. The course emphasizes practical skills in creating scalable and maintainable data solutions, crucial for modern data-driven decision-making. Upon completion, you will be equipped to efficiently manage complex data integration scenarios, establish data governance policies, and significantly improve the performance and reliability of Power BI reports and dashboards. This specialized knowledge not only enhances your technical capabilities but also positions you as a vital asset in any organization leveraging Power BI for business intelligence, unlocking advanced career opportunities in data platform administration and BI solution architecture.

Duration	16 hours
Level	Intermediate
Vendor	Microsoft

COURSE CURRICULUM

01 Module 1: Introduction to Power BI Data Flows & Architecture

- Understanding Data Flows: Concepts, Benefits, and Use Cases
- Power Query Online vs. Power Query Desktop
- Data Flow Architecture in Power BI Service
- Dataflow Storage: Azure Data Lake Storage Gen2 Integration
- Setting up Workspaces and Gateways for Data Flows

02 Module 2: Creating and Transforming Data Flows

- Connecting to Data Sources in Power Query Online
- Advanced Data Transformations with M Language
- Creating Calculated Entities and Merging Queries
- Managing Queries and Query Groups
- Parameterizing Data Flows for Flexibility

03 Module 3: Data Flow Administration and Governance

- Managing Data Flow Access and Permissions
- Monitoring Data Flow Health and Refresh History
- Implementing Data Lineage and Data Discovery
- Applying Data Governance Best Practices for Data Flows
- Handling Incremental Refresh for Large Data Sets

04 Module 4: Optimizing Data Flow Performance and Scalability

- Performance Tuning Strategies for Data Flows
- Understanding the Impact of Data Flow Dependencies
- Leveraging Computed Entities and Linked Entities

- Capacity Planning for Power BI Premium and Data Flows
- Troubleshooting Common Performance Issues

05 Module 5: Integrating Data Flows & Advanced Concepts

- Consuming Data Flows in Power BI Datasets and Reports
- Integrating Data Flows with Azure Synapse Analytics and Dataverse
- Using Data Flows for Enterprise ETL Scenarios
- Programmatic Management of Data Flows using Power BI APIs (overview)
- Data Flow Best Practices and Design Patterns

CAREER PATHWAYS

Graduates of this program are prepared for the following roles:

- > **Power BI Administrator**
- > **Data Engineer (with Power BI Data Pipeline Specialization)**
- > **BI Solution Architect (focus on Power BI Data Governance)**

FREQUENTLY ASKED QUESTIONS

Q: What prerequisites are recommended to maximize my learning in this Power BI Data Flow Management Administration Course?

This intermediate-level course assumes a foundational understanding of Power BI Desktop, including report creation and basic data modeling concepts. Familiarity with Power Query for data transformation is highly beneficial, as is a general understanding of cloud services and data warehousing principles. Prior experience with administering Power BI workspaces or environments is a plus but not strictly required.

Q: How will mastering Power BI data flow administration specifically enhance my career as a Power BI professional or data analyst?

This course elevates your role beyond report development by equipping you with the critical skills to manage the underlying data infrastructure. You'll learn to design robust, scalable, and governed data pipelines, ensuring data accuracy and efficiency for all Power BI assets. This expertise is crucial for roles like Power BI Administrator, Data Engineer, or BI Solution Architect, making you indispensable for organizations building enterprise-grade BI solutions and significantly expanding your career trajectory.

Q: Beyond creating data flows, what advanced administrative capabilities will I gain regarding data governance and security within the Power BI Service?

This course goes deep into administering data flows, covering topics such as managing access permissions, implementing row-level and object-level security where applicable via data flows and downstream datasets, and monitoring data lineage. You will learn to establish clear data governance policies, ensure compliance, and proactively identify and resolve data quality issues, thereby maintaining a secure and trustworthy Power BI environment for your organization.

ABOUT COMPUTER PRIDE

**East Africa's Premier IT Training Center**

With over 15 years of excellence, Computer Pride delivers globally recognized certification programs from leading technology vendors. Located on Kenyatta Avenue in Nairobi's CBD, our state-of-the-art facilities and expert instructors have empowered thousands of professionals across East Africa.

15+

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READY TO ENROL?

Take the next step in your technology career.

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