

Fabric Learning Companion

www.aka.ms/pathways



Getting started with Microsoft Fabric

Reshape how everyone accesses, manages, and acts on data and insights by connecting every data source and analytics service together—on a single, AI-powered platform.

Discover how Microsoft Fabric can meet your enterprise's analytics needs in one platform. Learn about Microsoft Fabric, how it works, and identify how you can use it for your analytics needs.

- Introduction to end-to-end analytics using Microsoft Fabric
- Get started with lakehouses in Microsoft Fabric
- Use Apache Spark in Microsoft Fabric
- Work with Delta Lake tables in Microsoft Fabric
- Use Data Factory pipelines in Microsoft Fabric
- Ingest Data with Dataflows Gen2 in Microsoft Fabric
- Get started with data warehouses in Microsoft Fabric
- Get started with Real-Time Analytics in Microsoft Fabric
- Get started with data science in Microsoft Fabric
- Administer Microsoft Fabric

Implement a Lakehouse with Microsoft Fabric

A Lakehouse combined the flexible and scalable storage of a data lake with the analytical querying and modelling capabilities of a data warehouse. Microsoft Fabric provides a lakehouse solution that powers end-to-end data analytics in a single software-as-a-service platform. This learning path introduces the foundational components of implementing a data lakehouse with Microsoft Fabric.

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- Organize a Fabric lakehouse using medallion architecture design

Organise a Fabric lakehouse using medallion architecture design

Explore the potential of the medallion architecture design in Microsoft Fabric. Organize and transform your data across Bronze, Silver, and Gold layers of a lakehouse for optimized analytics.

- Introduction
- Describe medallion architecture
- Implement a medallion architecture in Fabric
- Query and report on data in your Fabric lakehouse
- Considerations for managing your lakehouse
- Exercise - Organize your Fabric lakehouse using a medallion architecture
- Knowledge check

Microsoft Fabric Documentation

Get Started

- What is Fabric?
- Microsoft Fabric licenses
- Buy a Microsoft Fabric subscription
- Navigate the Fabric portal
- Workspaces in Fabric
- See more

Power BI

- Enable Microsoft Fabric for your organization
- What is Power BI?
- What is a DataMart?
- Azure and Power BI integration
- See more

OneLake

- What is OneLake?
- What are shortcuts?
- Create a lakehouse with OneLake
- OneLake and Azure Synapse Analytics integration
- See more

Data Factory

- What is Data Factory?
- Create your first pipeline
- Create your first dataflow
- Connectors
- See more

Synapse Data Engineering

- What is Data Engineering?
- Create a Lakehouse
- Create a Spark job definition
- See more

Synapse Data Science

- What is Data science?
- Machine learning experiment
- Use end-to-end AI samples
- See more

Synapse Data Warehouse

- What is Data Warehouse?
- Create a Warehouse
- Query using SQL query editor
- See more

Synapse Real-Time Analytics

- What is Real-Time Analytics?
- What is Event streams?
- Create a database
- See more

Admin and Governance

- Buy a Microsoft Fabric subscription
- Fabric administration
- Data governance and compliance
- Security
- See more

Developer Experience

- REST APIs
- Deployment pipelines
- Git integration
- See more

Troubleshooting

- Create a support ticket
- Known issues
- Troubleshoot issues
- See more

Training Modules

- End-to-end analytics using Fabric
- Get started with lakehouses
- Use Data Factory pipelines
- Get started with Data science
- See more

Other Fabric Resources

Fabric, a unified software-as-a-service (SaaS) offering, reshapes how you use data. Data is now stored in a single open format in OneLake, accessible by all the analytics engines in the platform. Fabric offers scalability, cost-effectiveness, accessibility from anywhere with an internet connection, and continuous updates and maintenance provided by Microsoft.

- Fabric website
- Microsoft Fabric Documentation
- End-to-end tutorials in Microsoft Fabric
- Get the free e-book on getting started with Fabric
- Microsoft Fabric Guided Tour
- Webinar Series: Introduction to Microsoft Fabric
- Join the Fabric Community