



MICROSOFT TRAINING

Microsoft Fabric Overview

Unlock the power of Microsoft Fabric. Master its unified data platform for comprehensive analytics and business intelligence.

DURATION

2 hours

LEVEL

Intermediate

FORMAT

Instructor-Led

-
- Globally Recognized Certification
 - Expert-Led Hands-On Training
 - Flexible Scheduling

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COURSE OVERVIEW

This "Microsoft Fabric Overview" course provides a comprehensive introduction to Microsoft's revolutionary unified analytics platform. Participants will discover how Fabric brings together data engineering, data warehousing, data science, real-time analytics, and business intelligence into a single, cohesive software-as-a-service (SaaS) experience. The course delves into the core technologies that power Fabric, including OneLake (the unified data lake) and the Lakehouse architecture, demonstrating how they simplify data management and enhance collaboration across various data workloads. You will gain an understanding of how Fabric integrates seamlessly with existing tools like Power BI, and explore the capabilities of its various experiences, such as Data Factory for data integration, Synapse Analytics for data warehousing and data engineering, and real-time analytics components. By completing this course, professionals will be equipped with a foundational knowledge of Microsoft Fabric's architecture and its potential to streamline end-to-end data pipelines, accelerating insights and fostering data-driven decision-making within organizations. This foundational understanding is crucial for anyone looking to navigate the modern data landscape and leverage Microsoft's cutting-edge analytics solutions for professional growth and business innovation.

Duration	2 hours
Level	Intermediate
Vendor	Microsoft

COURSE CURRICULUM

01 Module 1: Introduction to Microsoft Fabric

- Understanding the unified analytics platform concept
- The evolution from Azure Synapse to Microsoft Fabric
- Key components and workloads (Data Factory, Synapse, Power BI)
- The role of SaaS within Fabric

02 Module 2: OneLake and Lakehouse Architecture

- Exploring OneLake: The unified data lake for Fabric
- Implementing the Lakehouse architecture
- Understanding shortcuts and data sharing across workspaces
- Introduction to Fabric capacities and domains

03 Module 3: Data Engineering and Data Warehousing Workloads

- Overview of Data Factory in Fabric (Data Pipelines and Dataflows Gen2)
- Introduction to Synapse Data Engineering (Notebooks, Spark Jobs)
- Understanding Synapse Data Warehousing (SQL Endpoints)
- Ingesting and transforming data within Fabric

04 Module 4: Data Science, Real-Time Analytics & Power BI Integration

- Introduction to Synapse Data Science capabilities (ML models)
- Exploring Real-Time Analytics with Kusto Query Language (KQL) Databases and Eventhouses
- Integrating Power BI with Fabric data for reporting
- Creating basic semantic models (datasets) in Fabric

05 Module 5: Governance, Administration, and Next Steps

- Overview of Fabric administration and monitoring capabilities
- Basic security and compliance considerations within Fabric

- Understanding permissions and workspace roles
- Pathways to advanced Microsoft Fabric certifications and specialized roles

CAREER PATHWAYS

Graduates of this program are prepared for the following roles:

- > **Aspiring Data Analyst transitioning to advanced BI platforms**
- > **Junior Data Engineer seeking an understanding of modern data lake architectures**
- > **IT Professional/Solutions Architect evaluating unified data platforms**

FREQUENTLY ASKED QUESTIONS

Q: What prerequisite knowledge or technical skills are recommended before taking this Microsoft Fabric Overview course?

This overview course is designed for professionals with a basic understanding of data concepts. While no prior experience with Microsoft Fabric is required, familiarity with cloud platforms (like Azure) or business intelligence tools (like Power BI) would be beneficial, though not strictly necessary. The course focuses on introducing the core components and unified nature of Fabric.

Q: How will this overview course prepare me for more specialized Microsoft Fabric roles or certifications?

This 'Microsoft Fabric Overview' course provides the essential foundational knowledge required before diving into more specialized roles. It gives you a holistic view of the platform, enabling you to understand where different components fit together. This understanding is critical for subsequently pursuing specific certifications in Data Engineering, Data Warehousing, Data Science, or Business Intelligence within the Microsoft Fabric ecosystem.

Q: Will this 2-hour overview course include hands-on labs or practical exercises?

Given its concise 2-hour duration and 'Overview' nature, this course primarily focuses on conceptual understanding, architectural explanations, and demonstrations of Microsoft Fabric's key features. While it may include guided walkthroughs to illustrate core functionalities, extensive hands-on labs are typically reserved for more in-depth, specialized courses. The goal here is to provide a solid theoretical foundation quickly.

ABOUT COMPUTER PRIDE



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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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Take the next step in your technology career.

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