

Microsoft Fabric



Data
Factory



Synapse Data
Engineering



Synapse Data
Science



Synapse Data
Warehouse



Synapse Real
Time Analytics



Power BI



Data
Activator

DP-601T00: Implement a Lakehouse with Microsoft Fabric

Overview

In the **Mastering Microsoft Fabric: Unified Data and Analytics Platform** course by Indus Tech Services, dive deep into building a modern, end-to-end data solution. Learn how to integrate data engineering, real-time analytics, data science, and business intelligence—all through a single powerful platform. From managing OneLake to creating seamless data pipelines and insightful Power BI reports, gain the skills to design and implement scalable, secure, and intelligent data architectures.

Prerequisites

Basic knowledge of cloud computing concepts, data platforms, and familiarity with Microsoft Azure or Power BI is recommended but not mandatory.

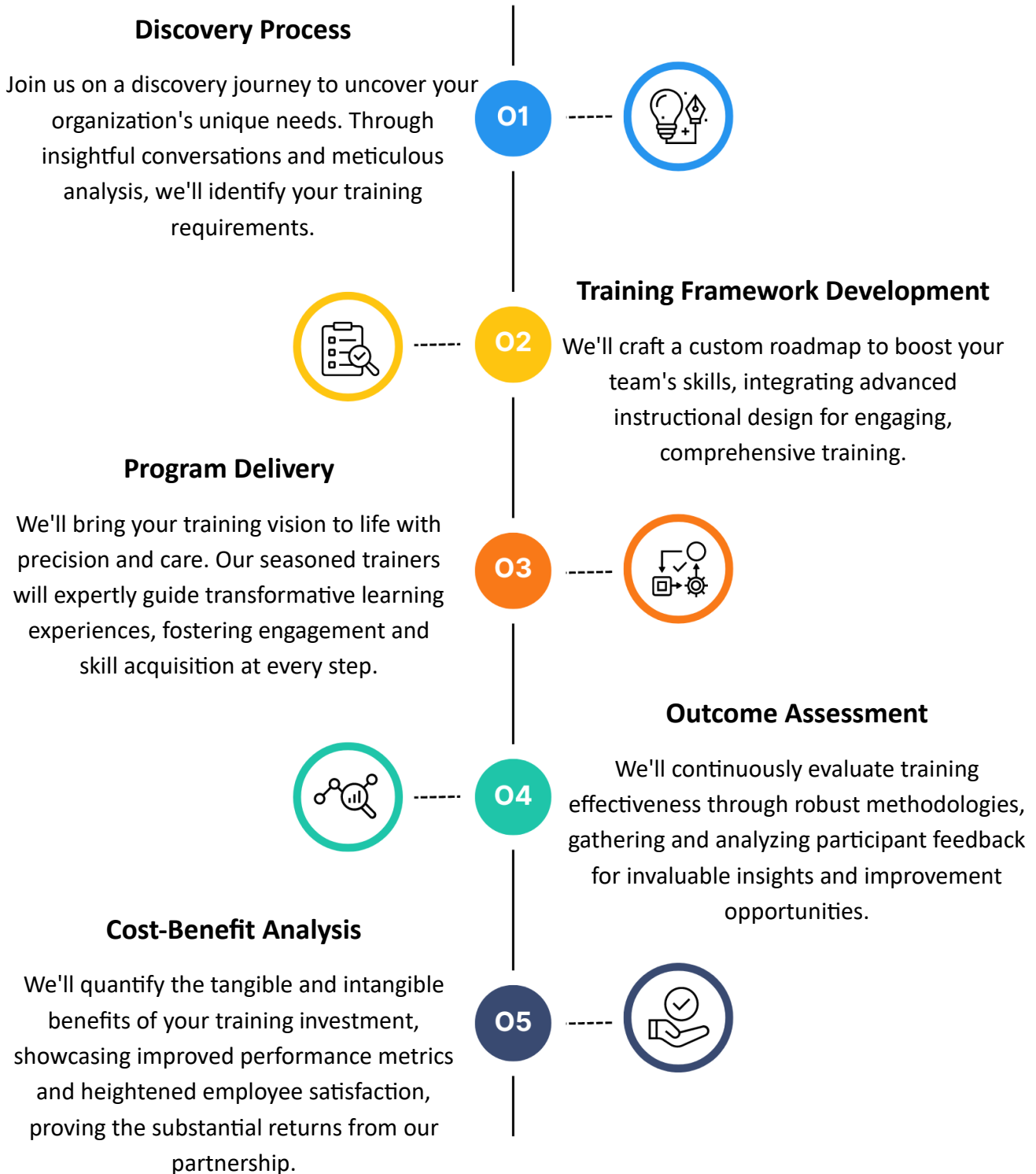
Course Level

- Beginner

Course Duration

- 1 Day – 8 Hours

Creating Tailor - Made Training Programs to Meet Your **Specific Goals**



Course Outline

Mastering Microsoft Fabric: Unified Data and Analytics Platform

Microsoft Fabric is transforming the way organizations manage, integrate, and analyze data. This course provides a comprehensive, hands-on journey into Microsoft Fabric's unified ecosystem, designed to modernize your entire data lifecycle.

Throughout this course, you will explore key concepts like data ingestion, transformation, real-time analytics, and business intelligence — all built around a shared data foundation with OneLake. You'll learn how to design a Lakehouse architecture, create automated data pipelines, leverage machine learning models, and deliver impactful Power BI insights, all while maintaining enterprise-grade security and governance.

Module 1: Explore end-to-end analytics with Microsoft Fabric

- Describe end-to-end analytics in Microsoft Fabric
- Understand data teams and roles that use Fabric
- Describe how to enable and use Fabric

Module 2: Get started with lakehouses in Microsoft Fabric

- Describe end-to-end analytics in Microsoft Fabric
- Understand data teams and roles that use Fabric
- Describe how to enable and use Fabric
- **Lab:** Create and ingest data with a Microsoft Fabric lakehouse

Module 3: Use Apache Spark in Microsoft Fabric

- Describe end-to-end analytics in Microsoft Fabric
- Understand data teams and roles that use Fabric
- Describe how to enable and use Fabric
- **Lab:** Analyze data with Apache Spark

Module 4: Work with Delta Lake tables in Microsoft Fabric

- Understand Delta Lake and delta tables in Microsoft Fabric
- Create and manage delta tables using Spark
- Optimize delta tables
- Use delta tables with Spark structured streaming
- **Lab:** Use delta tables in Apache Spark

Module 5: Ingest data with Dataflow Gen2 in Microsoft Fabric

- Describe Dataflow Gen2 capabilities in Microsoft Fabric
- Create Dataflow solutions to ingest and transform data
- Include a Dataflow in a pipeline
- **Lab:** Create and use a Dataflow Gen2 in Microsoft Fabric

Module 6: Orchestrate processes and data movement with Microsoft Fabric

- Describe pipeline capabilities in Microsoft Fabric.
- Use the Copy Data activity in a pipeline.
- Create pipelines based on predefined templates.
- Run and monitor pipelines.
- Lab: Ingest data with a pipeline

Indus Tech Services

Who We Are....

Indus Tech Services is an IT company that specializes in providing comprehensive training, consulting & implementation services for software solutions designed to address the diverse business challenges faced by organizations today. With a passion for technology and a deep understanding of business processes, Indus Tech is committed to empowering businesses to optimize their operations, boost productivity, and drive sustainable growth.

Indus Tech Services and Microsoft Partnership

As a proud **Microsoft Partner**, **Indus Tech Services** is uniquely equipped to deliver top-tier training and certification programs designed to meet the evolving needs of today's workforce. Our partnership with Microsoft allows us to offer direct access to the latest tools, resources, and industry insights, ensuring that our courses are aligned with the most current technology trends. This collaboration enables us to provide unparalleled support to our students, helping them gain the skills and knowledge required to excel in their careers. By choosing Indus Tech Services, you're not just learning; you're gaining a competitive edge with Microsoft-backed expertise and certification.

Why Choose Us...

From time to time, life serves up a profound nudge, urging us to step beyond our routines and make a difference in the world. Indus Tech Services emerged from one such compelling wake-up call. We are not just a company; we are a dedicated force with a belief in providing solutions to organizations, regardless of their size, and we infuse a human touch into everything we do.

Our Expertise

With over 25 years of collective experience navigating the intricacies of daily business transactions, irrespective of geographical, cultural, time zone, or language barriers, our team has honed their expertise to meet any challenge head-on. This wealth of experience has armed our resources with an unparalleled understanding and skill set to tackle a broad spectrum of obstacles.

Training

With two decades of unwavering commitment and a global footprint, our company is a true pioneer in the fields of linguistic, transactional, technical, and behavioural training for some of the world's largest corporate entities. Our unparalleled expertise has been refined through years of dedication and innovation, making us the go-to choice for businesses seeking transformative training solutions.

Consulting

Our company has been at the forefront of providing world-class IT consulting services to organizations spanning the globe. With an extensive and proven track record, we have honed our expertise to meet the ever-evolving technological needs and challenges faced by businesses, regardless of their scale or industry.

Implementation

Our experience covers a broad spectrum of IT implementation services, including system integration, software deployment, network architecture, cloud migration, and infrastructure setup. We understand that the successful execution of IT projects is pivotal to an organization's growth and efficiency. Therefore, we bring a depth of knowledge and a commitment to delivering results that set us apart.

To know more contact us at info@industechservices.com or call us at +91 - 99961 61170.