

SQL SCHOOL

FABRIC DATA ENGINEERING

Microsoft Fabric

FROM SQL SCHOOL

Build Scalable • Process Smart • Engineer the Future with **Microsoft Fabric**

- End-to-End Data Engineering with Fabric
- Scalable Lakehouse Architecture
- Automate & Orchestrate Data Pipelines
- Real-Time Insights & Analytics

MASTER MICROSOFT FABRIC
COMPLETE COURSE FOR DATA ENGINEERS!

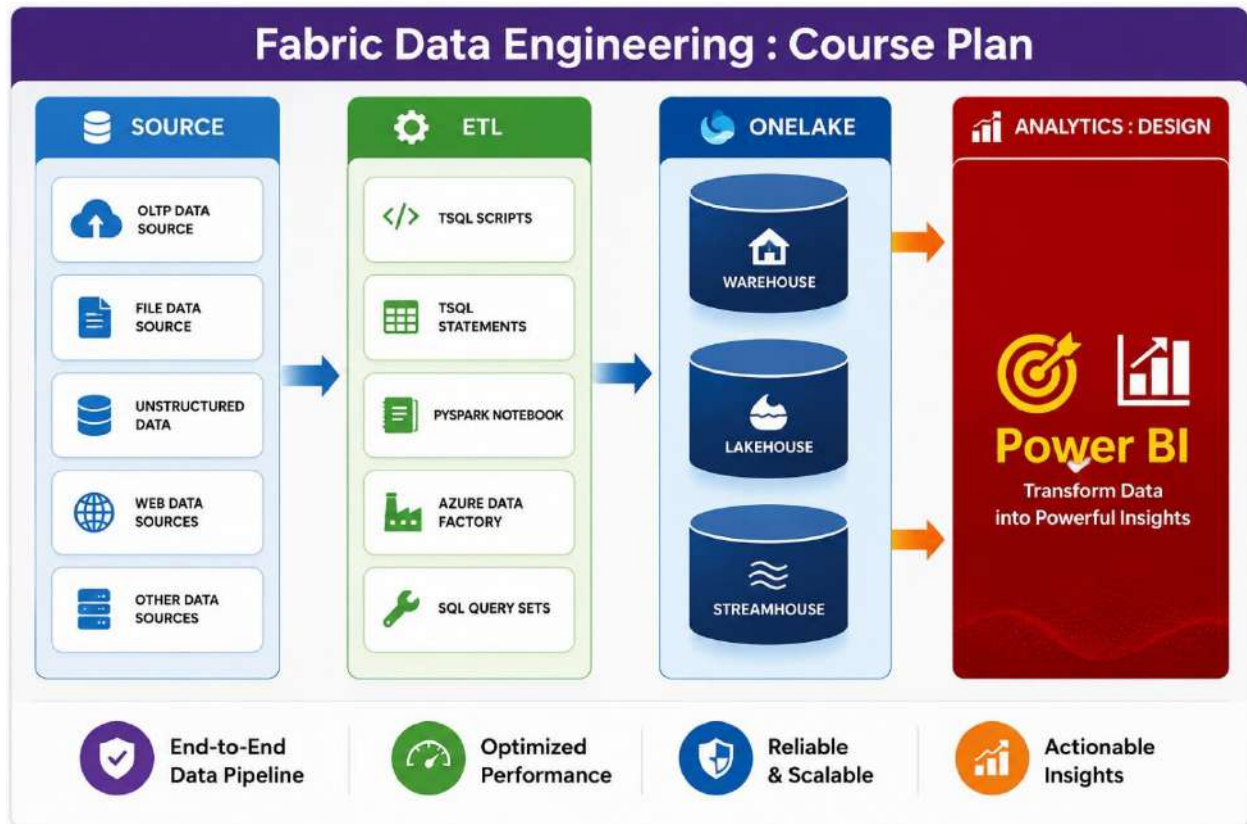
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This course includes total of **THREE** Plans. Pls choose any one as per your requirement:

Fabric Data Engineer Training Plans			
Training Plan	Modules Included	Duration	Number of Projects
Plan A	1. Fabric Data Engineer	6 Weeks	1 Realtime Project
Plan B	1. MSSQL, TSQL 2. Fabric Data Engineer	9 Weeks	1 Realtime Project 2 Realtime Case Studies
Plan C	1. MSSQL, TSQL 2. Fabric Data Engineer 3. Power BI, Data Analytics	13 Weeks	2 Realtime Projects 2 Realtime Case Studies

Training Modes: **LIVE Online Training**, **Self-Paced Videos**.
Choose anyone mode.



🔑 Detailed Course Content 🔑

Module 1: SQL Server TSQL (MS SQL) Queries

Ch 1: SQL Database Job Roles

- ✓ Introduction to Data
- ✓ Database Intro, Types
- ✓ OLTP, DWH, OLAP
- ✓ DBMS Concepts
- ✓ Database Job Roles
- ✓ Data Engineer Job Roles

Ch 2: Database Intro & Installations

- ✓ SQL Server Installations
- ✓ Instance Concepts
- ✓ Authentication Types
- ✓ Authentication Modes
- ✓ Collation & File Stream
- ✓ SQL Server 2025 Installations
- ✓ SSMS Tool Installation
- ✓ Server Connections, Authentications

Ch 3: SQL Basics V1 (Commands)

- ✓ Creating Databases (GUI)
- ✓ Creating Tables, Columns (GUI)
- ✓ SQL Basics (DDL, DML, etc..)
- ✓ Creating Databases, Tables
- ✓ Data Inserts (GUI, SQL)
- ✓ Basic SELECT Queries

Ch 4: SQL Basics V2 (Commands, Operators)

- ✓ DDL: Create, Alter, Drop, Add, modify, etc..
- ✓ DML: Insert, Update, Delete, select into, etc..
- ✓ DQL: Fetch, Insert... Select, etc..
- ✓ SQL Operations: LIKE, BETWEEN, IN, etc..
- ✓ Special Operators

Ch 5: Data Types

- ✓ Integer Data Types
- ✓ Character, MAX Data Types
- ✓ Decimal & Money Data Types
- ✓ Boolean & Binary Data Types
- ✓ Date and Time Data Types
- ✓ SQL_Variant Type, Variables

Ch 6: Excel Data Imports

- ✓ Data Imports with Excel
- ✓ SQL Native Client
- ✓ Order By: Asc, Desc
- ✓ Order By with WHERE
- ✓ TOP & OFFSET
- ✓ UNION, UNION ALL

Ch 7: Schemas & Batches

- ✓ Schemas: Creation, Usage
- ✓ Schemas & Table Grouping
- ✓ Real-world Banking Database
- ✓ 2 Part, 3 Part & 4 Part Naming
- ✓ Batch Concept & "Go" Command

Ch 8: Constraints, Keys & RDBMS

- ✓ Null, Not Null Constraints
- ✓ Unique Key Constraint
- ✓ Primary Key Constraint
- ✓ Foreign Key & References
- ✓ Default Constraint & Usage
- ✓ DB Diagrams & ER Models

Ch 9: Normal Forms & RDBMS

- ✓ Normal Forms: 1 NF, 2 NF
- ✓ 3 NF, BCNF and 4 NF
- ✓ Adding Keys to Tables
- ✓ Cascading Keys
- ✓ Self Referencing Keys
- ✓ Database Diagrams

Ch 10: Joins & Queries

- ✓ Joins: Table Comparisons
- ✓ Inner Joins & Matching Data
- ✓ Outer Joins: LEFT, RIGHT
- ✓ Full Outer Joins & Aliases
- ✓ Cross Join & Table Combination
- ✓ Joining more than 2 tables

Ch 11: Views & RLS

- ✓ Views: Realtime Usage
- ✓ Storing SELECT in Views
- ✓ DML, SELECT with Views
- ✓ RLS: Row Level Security
- ✓ WITH CHECK OPTION
- ✓ Important System Views

Ch 12: Stored Procedures

- ✓ Stored Procedures: Realtime Use
- ✓ Parameters Concept with SPs
- ✓ Procedures with SELECT
- ✓ System Stored Procedures
- ✓ Metadata Access with SPs
- ✓ SP Recompilations

Ch 13: User Defined Functions

- ✓ Using Functions in MSSQL
- ✓ Scalar Functions in Real-world
- ✓ Inline & Multiline Functions
- ✓ Date & Time Functions
- ✓ String Functions & Queries
- ✓ Aggregated Functions & Usage

Ch 14: Triggers & Automations

- ✓ Need for Triggers in Real-world
- ✓ DDL & DML Triggers
- ✓ For / After Triggers
- ✓ Instead Of Triggers
- ✓ Memory Tables with Triggers
- ✓ Disabling DMLs & Triggers

Ch 15: Transactions & ACID

- ✓ Transaction Concepts in OLTP
- ✓ Auto Commit Transaction
- ✓ Explicit Transactions
- ✓ COMMIT, ROLLBACK
- ✓ Checkpoint & Logging
- ✓ Lock Hints & Query Blocking
- ✓ READPAST, LOCKHINT

Ch 16: CTEs & Tuning

- ✓ Common Table Expression
- ✓ Creating and Using CTEs
- ✓ CTEs, In-Memory Processing
- ✓ Using CTEs for DML Operations
- ✓ Using CTEs for Tuning
- ✓ CTEs: Duplicate Row Deletion

Ch 17: Indexes Basics, Tuning

- ✓ Indexes & Tuning
- ✓ Clustered Index, Primary Key
- ✓ Non Clustered Index & Unique
- ✓ Creating Indexes Manually
- ✓ Composite Keys, Query Optimizer
- ✓ Composite Indexes & Usage

Ch 18: Group By Queries

- ✓ Group By, Distinct Keywords
- ✓ GROUP BY, HAVING
- ✓ Cube() and Rollup()
- ✓ Sub Totals & Grand Totals
- ✓ Grouping() & Usage
- ✓ Group By with UNION
- ✓ Group By with UNION ALL

Ch 19: Joins with Group By

- ✓ Joins with Group By
- ✓ 3 Table, 4 Table Joins
- ✓ Join Queries with Aliases
- ✓ Join Queries & WHERE, Group By
- ✓ Joins with Sub Queries
- ✓ Query Execution Order

Ch 20: Sub Queries

- ✓ Sub Queries Concept
- ✓ Sub Queries & Aggregations
- ✓ Joins with Sub Queries

- ✓ Sub Queries with Aliases
- ✓ Sub Queries, Joins, Where
- ✓ Correlated Queries

Ch 21: Cursors & Fetch

- ✓ Cursors: Realtime Usage
- ✓ Local & Global Cursors
- ✓ Scroll & Forward Only Cursors
- ✓ Static & Dynamic Cursors
- ✓ Fetch, Absolute Cursors

Ch 22: Window Functions, CASE

- ✓ IIF Function and Usage
- ✓ CASE Statement Usage
- ✓ Window Functions (Rank)
- ✓ Row_Number()
- ✓ Rank(), DenseRank()
- ✓ Partition By & Order By

Ch 23: Merge (Upsert) & CASE, IIF

- ✓ Merge Statement
- ✓ Upsert Operations with Merge
- ✓ Matched and Not Matched
- ✓ IIF & CASE Statements
- ✓ Merge Statement inside SPs
- ✓ Merge with OLTP & DWH

Ch 24: Key Take-Aways from Module 1

- ✓ Case Study 1: Medicare Scenario
- ✓ Case Study 2: Ecommerce Scenario

Module 2: Fabric Data Engineering

Part 1: Fabric Concepts

Ch 1: Fabric Introduction

- ✓ Need for Fabric, Big Data
- ✓ Fabric Data Engineering Model
- ✓ Fabric Components (Items)
- ✓ Microsoft Fabric: Advantages
- ✓ Cloud Warehouse & AI
- ✓ AI with CoPilot
- ✓ Azure Versus Fabric DWH

Ch 2: Fabric Account, Workspace

- ✓ Need for Fabric Workspace

- ✓ Workspace Creation Process
- ✓ Pins and New Items
- ✓ Item Categorization
- ✓ ETL, Storage, Analytical
- ✓ Streaming, Monitoring
- ✓ Compute & Separation

Ch 3: Fabric Architecture

- ✓ Intelligent Data Foundation
- ✓ Polaris Distributed Engine
- ✓ Stateless & Stateful
- ✓ Cache, Metadata, Xact & Data
- ✓ Fabric Tasks, Inputs & DAG
- ✓ State Machine & Statistics
- ✓ Hot Spot Recovery

Ch 4: Fabric Warehouse

- ✓ Fabric Warehouse Creation
- ✓ Fabric Warehouse Features
- ✓ Fabric Warehouse Properties
- ✓ Fabric Warehouse Limitations
- ✓ DWH Internal Operations
- ✓ Default Schemas & Objects

Ch 5: Fabric Data Types

- ✓ Realtime use of Fabric Houses
- ✓ Exact, Approximate Numbers
- ✓ Date and Time Data Types
- ✓ Fixed & Variable Length
- ✓ Binary & String Data Types
- ✓ Fabric Type Limitations

Ch 6: SSMS Connections

- ✓ Warehouse SQL Connection
- ✓ Database Engine Server
- ✓ Multi Factor Authentication
- ✓ Warehouse Artifacts
- ✓ Executing .SQL Scripts
- ✓ Testing Fabric Artifacts

Ch 7: Fabric Caching

- ✓ Fabric Caching Process
- ✓ In-memory Cache, Disk Cache
- ✓ Cache Types: LRU /MRU

- ✓ Cold Cache / Cold Run
- ✓ Realtime use of Caching
- ✓ Performance Advantages
- ✓ Warehouse Optimizations

Ch 8: Fabric Statistics

- ✓ Query Engine Options
- ✓ Statistics Types
- ✓ Leverage Statistics
- ✓ Auto, Manual Statistics
- ✓ Update Statistics
- ✓ Statistics Consistency
- ✓ Statistics Lists & Reports

Ch 9: Time Travel

- ✓ Continuous Data Protection
- ✓ Data Storage, Retention
- ✓ FOR TIMESTAMP AS OF
- ✓ Time Travel Scenarios
- ✓ Time Travel Implementation
- ✓ Time Travel on Queries
- ✓ Time Travel Limitations

Ch 10: Aggregated Data Store

- ✓ Options for Data Aggregations
- ✓ Save As table, Save As View
- ✓ Single Table Aggregations
- ✓ Multi Table Aggregations
- ✓ Dynamic Conditions
- ✓ Parameterized Aggregations

Ch 11: Zero Copy Cloning

- ✓ User Layer, Storage Layer
- ✓ Cloning & Parquet Files
- ✓ Synapse Data Warehouse
- ✓ Data History Retention
- ✓ Point In Time , Schema Level
- ✓ Zero Copy Cloning Limitations

Ch 12: Fabric Security

- ✓ Workspace Security
- ✓ Warehouse Security
- ✓ Item Security & Roles

- ✓ Adding AD Users
- ✓ Item Security Limitations
- ✓ MFA & Client Security

Part 2: Fabric Data Factory, DWH

Ch 1: Fabric Data Factory

- ✓ ETL Implementation Options
- ✓ Need for Fabric Data Factory
- ✓ ETL Operations in FDF
- ✓ Data Sources, Transformations
- ✓ Data Destinations (Sinks)
- ✓ Creating Pipelines

Ch 2: Fabric Pipelines

- ✓ Activities and Connections
- ✓ Gateways & OnPrem Access
- ✓ Data Sets & Activity Sets
- ✓ Data Activator & Alerts
- ✓ Run ID & Monitoring
- ✓ Pipeline Creation, Verification

Ch 3: Fabric Pipelines Design

- ✓ Creation Options for Pipelines
- ✓ Azure SQL DB Data Loads
- ✓ Creating Data Sets
- ✓ RRR Transformations
- ✓ Copy Command Usage
- ✓ Internal Staging (Workspace)

Ch 4: Fabric Aggr Data Loads

- ✓ Aggregation Scenarios
- ✓ Creating Views in TSQL
- ✓ Using Views in FDF Pipelines
- ✓ Using Pipeline Editor
- ✓ Data Loads to Warehouse
- ✓ Pipeline Verifications

Ch 5: ETL Staging

- ✓ Staging : Advantages
- ✓ Caching & Storing Concept
- ✓ Staging Types in Fabric
- ✓ Workspace & External

- ✓ External Stages in Pipelines
- ✓ Compressions & Advantages
- ✓ Pipeline Trigger, Monitor

Ch 6: OnPrem Gateways

- ✓ Need for On_Premi Gateway
- ✓ Installing & Configuring
- ✓ Authentication, Usage
- ✓ OnPremises Connections
- ✓ Pipelines for Data Loads
- ✓ Warehouse Data Storage
- ✓ Data Refresh with Gateways

Ch 7: Fabric Lakehouse

- ✓ Fabric Lakehouse, AI
- ✓ Files and Tables Storage
- ✓ Data Sources: Parquet Files
- ✓ Transformation Options
- ✓ Direct Lake & AI
- ✓ Lakehouse with AI
- ✓ Lakehouse Real time Use

Ch 8: Lakehouse File Loads

- ✓ Creating Lakehouse
- ✓ Copy Data Wizard
- ✓ Azure SQL Database Source
- ✓ File Data Loads in Lakehouse
- ✓ Concurrency & Batch Count
- ✓ Pipeline Execution Tests
- ✓ Pipeline Monitor Check

Ch 9: Aggregated Data Loads

- ✓ Aggregated Data Store
- ✓ Plan & Design Aggregations
- ✓ Testing Aggregations
- ✓ Pipelines for Data Compute
- ✓ Data Copy Options
- ✓ Pipeline Optimizations
- ✓ Data Loads and Verification

Ch 10: MultiTable Loads in LH

- ✓ Table Loads Connections
- ✓ Data Load in Lakehouse
- ✓ Using Copy Data Wizard

- ✓ Data Store in Lakehouse
- ✓ View Run History, Executions
- ✓ SQL End Points & Access
- ✓ Lakehouse Schemas

Ch 11: Data Factory Pipeline Tuning

- ✓ Intelligent Throughput
- ✓ DOCP & Optimizations
- ✓ Staging & In-Memory
- ✓ Reliable Logging
- ✓ Spark Compute Options
- ✓ Concurrent Connections
- ✓ ETL Partitions in Real-world

Part 3: Data Flow, KQL, Models

Ch 1: Lakehouse Visual Queries

- ✓ Visual Query Interface
- ✓ Visual Editor & Tables / Views
- ✓ Merge, Remove, Sort Tfns
- ✓ Data Preview, Save As Table
- ✓ Save As View : Advantages
- ✓ Using Schemas, Identifiers
- ✓ TDS Packets & Transfer Units

Ch 2: Power Query Level 1

- ✓ Power Query Concept
- ✓ Need for Power Query
- ✓ Data Flow Gen 1
- ✓ Data Flow Gen 2, AI
- ✓ Power Query Items
- ✓ Differences with Copy Activity
- ✓ ETL, ELT Process with AI

Ch 3: Power Query Level 2

- ✓ Data Flow Gen2 Operations
- ✓ PQ Online Editor
- ✓ Working with Binary Content
- ✓ Detailed Data Options
- ✓ Data Cleansing & CoPilot
- ✓ Step Names, Aggregations
- ✓ Warehouse Data Loads

Ch 4: Power Query Level 3

- ✓ Binding Power Query Steps
- ✓ Edit / Delete Steps
- ✓ Optimizing Power Query
- ✓ ETL & ELT with Power Query
- ✓ Advanced Editor
- ✓ M Language Expressions
- ✓ Duplicate / Reference Queries

Ch 5: Stream House, KQL

- ✓ Need for Stream House
- ✓ Auto creation of KQL
- ✓ Manual KQL Databases
- ✓ Verification & Usage
- ✓ Differences with Warehouse
- ✓ Differences with Lakehouse

Ch 6: KQL Query Sets

- ✓ KQL Database Extraction
- ✓ File Imports - on Premises
- ✓ Metadata Edit Options
- ✓ Query Analytics
- ✓ Exports, Visualizations
- ✓ Query Sets Versus Notebooks

Ch 7: Fabric Data Activator

- ✓ Need for Alerts, Notifications
- ✓ Fabric Data Activator Options
- ✓ Alert Conditions, Thresholds
- ✓ Email Notifications
- ✓ Events & Notifications
- ✓ Edit / Enable / Disable

Ch 8: Model Layouts

- ✓ Need for Layouts with AI
- ✓ Creating Model Layouts
- ✓ Adding References, Keys
- ✓ Power BI Semantic Models
- ✓ Report Items, CoPilot
- ✓ Using Power BI Desktop

Ch 9: Mirror Database

- ✓ Need for Mirror Databases
- ✓ Configure Mirror Databases
- ✓ Data Replication
- ✓ Schema Replication

- ✓ **Connections & Usage**
- ✓ **Mirror DB Practical uses**

Part 4: Python, Spark, PySpark, DWH

Ch 1: Fabric Notebooks

- ✓ **Need for Notebooks**
- ✓ **Fabric Notebook Types**
- ✓ **Get / Prep / Analyze**
- ✓ **Sessions, Markdown Folding**
- ✓ **Standard, High Concurrency**
- ✓ **Magic Command**
- ✓ **Freeze Cells**

Ch 2: Spark SQL Notebooks

- ✓ **Creating Environment**
- ✓ **Creating Spark Clusters**
- ✓ **Spark Cluster Compute**
- ✓ **SQL Analytics in Notebooks**
- ✓ **Visual Query Vs SQL**
- ✓ **Cell Execution Options**
- ✓ **Magic Command Usage**

Ch 3: Spark SQL - 1

- ✓ **Spark SQL Notebooks**
- ✓ **Creating Schemas, Tables**
- ✓ **Spark Data Types**
- ✓ **Data Partitioning**
- ✓ **SQL Queries with the PySpark API**
- ✓ **Union, Views in Spark**
- ✓ **Dropping Objects**

Ch 4: Spark SQL - 2

- ✓ **Spark Joins**
- ✓ **Aggregations**
- ✓ **Math, Sort Functions**
- ✓ **String, DateTime Functions**
- ✓ **Conditional Statements**
- ✓ **SQL Expressions with expr()**
- ✓ **Spark SQL Aggregations**

Ch 5: Spark SQL - 3

- ✓ **Spark Time Travel**
- ✓ **Data Recovery & Undo**
- ✓ **Version Number**

- ✓ Describe
- ✓ Describe Extended
- ✓ Timestamp As Of Concept

Ch 6: Python Intro & Print

- ✓ Python Introduction
- ✓ Python Versions
- ✓ Python Implementations
- ✓ Python in Spark (PySpark)
- ✓ Python Print()
- ✓ Single, Multiline Statements

Ch 7: Python Variables

- ✓ Defining Variables
- ✓ Using Variables
- ✓ Printing Variables
- ✓ Display Variables
- ✓ Variable Types
- ✓ Multi Value Variables
- ✓ Multi Value Assigning
- ✓ If ... Else Statement

Ch 8: Python Operators

- ✓ Integer Operators
- ✓ String Operators
- ✓ Arithmetic Operators
- ✓ Assignment Operators
- ✓ Comparison Operators
- ✓ Formatted Strings
- ✓ Indexing Operators
- ✓ Short Hand If, OR, AND
- ✓ ELIF, ELSE IF Statements

Ch 9: Python Data Types

- ✓ Python Data Types
- ✓ Integer / Int Data Types
- ✓ Float, String Data Types
- ✓ List Data Type
- ✓ List Items, Indexes
- ✓ Tuple Data Type
- ✓ Dictionary Data Type

Ch 10: Python Dataframes

- ✓ Pandas Module (Python)
- ✓ Dataframes from Lists
- ✓ Dataframe from Dict

- ✓ Pandas Dataframes
- ✓ Dataframe print, display
- ✓ Dataframe from Files
- ✓ spark.read.csv()
- ✓ spark.read.format()

Ch 11: Medallion Architecture

- ✓ Medallion Concepts
- ✓ Bronze, Gold and Silver
- ✓ Raw Data
- ✓ Data Preparation (Prepping)
- ✓ Temporary Views
- ✓ Aggregated Data Flow
- ✓ Big Data Analytics

Ch 12: PySpark: Medallion Loads - 1

- ✓ Reading from Volumes
- ✓ Dataframes, Temp Views
- ✓ Data Prep (Silver)
- ✓ Filtering DataFrame Records
- ✓ Removing Duplicate Records
- ✓ Sorting and Limiting Records
- ✓ Spark SQL Dataframes
- ✓ Gold Layer Implementation
- ✓ Testing Aggregated Loads

Ch 13: PySpark: Medallion Loads - 2

- ✓ Azure SQL DB Connections
- ✓ SQL Queries in PySpark
- ✓ Data Prep (Silver)
- ✓ Filtering Null Values
- ✓ Grouping and Aggregating
- ✓ Spark SQL Dataframes
- ✓ Gold Layer Implementation
- ✓ Testing Aggregated Loads

Ch 14: PySpark: SCD

- ✓ Slowly Changing Dimension
- ✓ Parquet Versus Delta
- ✓ Deleting and Updating Records
- ✓ Table Utility Commands
- ✓ Merge Into Statement
- ✓ Incremental Loads, Temp Views

- ✓ Merge with OLTP Data Sources

Ch 15: PySpark: Widgets

- ✓ Need for Widgets
- ✓ Text Widgets
- ✓ User Parameters
- ✓ Manual Executions
- ✓ Parameters & JSON

Part 5: Realtime Project with AI, CoPilot

- 👉 🧩 **Azure Synapse Migrations**
- 👉 🧩 **DP 700 Exam Guidance**
- 👉 🧩 **End to End Realtime Project**

Module 3: Power BI

Ch 1: Power BI Intro, Installation

- ✓ Power BI & Data Analysis
- ✓ Power BI Design Tools
- ✓ Power BI Design Techniques
- ✓ Power BI Hosting Solutions
- ✓ Power BI with Co-Pilot & AI
- ✓ Power BI Installation

Ch 2: Report Design Concepts

- ✓ Basic Report Design (PBIX)
- ✓ Get Data, Canvas (Design)
- ✓ Data View, Data Models
- ✓ Data Points, Spotlight
- ✓ Focus Mode, PDF Exports

Ch 3: Visual Interactions, PBIT

- ✓ Visual Interactions & Edits
- ✓ Limitations with Visual Edits
- ✓ Creating Power BI Templates
- ✓ CSV Exports & PBIT Imports

Ch 4: Grouping, Hierarchies

- ✓ Creating Groups : Lists
- ✓ Creating Groups: Bins
- ✓ List Items & Group Edits
- ✓ Bin Size & Bin Count

Ch 5: Slicer & Visual Sync

- ✓ Slicer Visual in Power BI

- ✓ Slicer: Format Options
- ✓ Single Select, Multi Select
- ✓ Slicer: Select All On / Off
- ✓ Visual Sync with Slicers

Ch 6: Hierarchies & Drill-Down

- ✓ Hierarchies: Creation, Use
- ✓ Hierarchies: Advantages
- ✓ Drill Up, Drill Down
- ✓ Conditional Drill Down
- ✓ Filtered Drill Down, Table View

Ch 7: Filters & Drill Thru

- ✓ Power BI Filters
- ✓ Basic, Top & Advanced
- ✓ Visual Filters, Page Filters
- ✓ Report Level Filters, Clear Filter
- ✓ Drill Thru Filters & Usage

Ch 8: Bookmarks, Buttons

- ✓ Power BI Bookmarks
- ✓ Images: Actions, Bookmarks
- ✓ Buttons: Actions, Bookmarks
- ✓ Page to Page Navigations
- ✓ Score Cards, Master Pages

Ch 9: SQL DB Access & Big Data

- ✓ SQL DB Access, Queries
- ✓ Storage Modes: Direct Query
- ✓ Formatting & Date Time
- ✓ Storage Modes in Power BI
- ✓ Azure (Big Data) Access & Formatting

Ch 10: Power BI Visualizations

- ✓ Charts, Bars, Lines, Area
- ✓ TreeMaps & HeatMaps
- ✓ Funnel, Card, Multrow Card
- ✓ PieCharts & Waterfall
- ✓ Scatter Chart, Play Axis
- ✓ Infographics, Classifications

Ch 11: Power Query Introduction

- ✓ Power Query (Mashup)

- ✓ ETL Transformations in PBI
- ✓ Power Query Expressions
- ✓ Table Combine Options
- ✓ Merge, Union All Options
- ✓ Close, Apply & Visualize

Ch 12: Power Query: Table Tfns

- ✓ Table Duplicate, Header Promotion
- ✓ Group By Transformation
- ✓ Aggregate, Pivot Operation
- ✓ Reverse Rows, Count Rows
- ✓ Advanced Power Query Mode

Ch 13: Power Query: Column Tfn

- ✓ Any Column Transformations
- ✓ Data Type Detection, Change
- ✓ Rename, Replace, Move
- ✓ Fill Up, Fill Down
- ✓ Step Edits & Rollbacks

Ch 14: Power Query: Text, Date

- ✓ String / Text Transformations
- ✓ Split, Merge, Extract, Format
- ✓ Numeric and Date Time
- ✓ Add Column & Expressions
- ✓ Expressions and New Columns
- ✓ Column From Examples

Ch 15: Power Query: Parameters

- ✓ Parameters in Power Query
- ✓ Static Parameters, Defaults
- ✓ Dynamic Dropdowns, Lists
- ✓ Linking with Table Queries
- ✓ Step Edits, Type Conversions

Ch 16: Power BI Cloud: Publish

- ✓ Power BI Cloud Concepts
- ✓ Workspace Creation, Usage
- ✓ Report Publish Cloud
- ✓ Report Edits in Cloud
- ✓ Semantic Models & Usage

Ch 17: Power BI Cloud Dashboards

- ✓ Power BI Dashboards

- ✓ Dashboard Creation, Usage
- ✓ Pin Visuals, Pin LIVE Pages
- ✓ Add Image, Video Tiles
- ✓ Q&A & Pin Tiles

Ch 18: Power BI Cloud Operations

- ✓ Report Shares, Alerts
- ✓ Subscriptions, Exploration
- ✓ Downloads & Edits
- ✓ Report Cloning in Cloud
- ✓ QR Codes, Web Publish
- ✓ Lineage & Metrics

Ch 19: Power BI Cloud Gateways

- ✓ Data Gateways, Data Refresh
- ✓ Install, Configure Gateways
- ✓ Data Sources Configurations
- ✓ Data Refresh & Scheduling
- ✓ Gateway Optimizations

Ch 20: Power BI Cloud Apps

- ✓ Power BI Apps: Creation
- ✓ App Sections & Content
- ✓ Audience Options
- ✓ App Security & Sharing
- ✓ App Updates, Favourites
- ✓ App URL, End User Access

Ch 21: Power BI Report Server

- ✓ SQL Server 2025 (Mandatory Installations)
- ✓ Power BI Report Server
- ✓ Report Server Vs Cloud
- ✓ Installation, Configuration
- ✓ RS Config Tool Options
- ✓ Report Database, TempDB
- ✓ Web Service & Server URL

Ch 22: Paginated Reports

- ✓ Report Builder Tool
- ✓ Paginated Report (RDL)
- ✓ Report Expressions (RDL)
- ✓ Tablix, Chart Wizards
- ✓ Fields & Drill-Down
- ✓ RDL Report Publish

Ch 23: DAX Concepts (Basics)

- ✓ DAX Concepts: Intro & Realtime Need
- ✓ DAX Columns: Creation, Use
- ✓ DAX Measures: Creation, Use
- ✓ DAX Functions: IIF, ISBLANK
- ✓ SUM, CALCULATE Functions
- ✓ DAX Cheat Sheet

Ch 24: DAX Quick Measures

- ✓ Quick Measures in Power BI
- ✓ Average & Filters
- ✓ Running Totals
- ✓ Star Rating Calculations
- ✓ DAX Measures in Data View
- ✓ DAX in Visuals
- ✓ DAX in Cloud Reports

Ch 25: Data Modelling, DAX

- ✓ Dimensions Tables
- ✓ Fact Tables & DAX Measures
- ✓ Data Models & Relations
- ✓ DAX Expressions & DAX Joins
- ✓ Star & Snowflake Schemas

Ch 26: DAX Joins, Variables

- ✓ CALCULATEX & Variables
- ✓ COUNT, COUNTA, etc..
- ✓ SUM, SUMX, etc..
- ✓ SELECTED MEMEBER
- ✓ Filter Context, RETRUN
- ✓ Dynamic Report with DAX

Ch 27: DAX Time Intelligence

- ✓ Date Table Generation
- ✓ Time Intelligence with DAX
- ✓ PARALLELPERIOD, DATE
- ✓ CALENDAR, Total Functions
- ✓ YTD, QTD, MTD with DAX

Ch 28: DAX - Row Level Security

- ✓ RLS: Row Level Security
- ✓ Data Modelling & Roles
- ✓ Verify Roles (Testing)

- ✓ Add Cloud Users to Roles
- ✓ Dynamic Row Level Security
- ✓ Testing RLS in Power BI

Ch 29: Analytical Reports

- ✓ Analytical Report Concepts
- ✓ Excel Data Analytics
- ✓ Excel with Power BI Cloud
- ✓ Analyse in Excel (Cloud)
- ✓ Excel Reports to Cloud

Ch 30: Power BI AI, CoPilot

- ✓ AI Components in Power BI
- ✓ CoPilot with Desktop
- ✓ CoPilot with Cloud
- ✓ PL 300 Exam (Microsoft Certified Data Analyst) Guidance
- ✓ PL 300 Exam Mocks

Ch 31: Fabric Integrations with Power BI

- 👉 🏠 Fabric One Lake with Power BI
- 👉 🏠 Fabric Configurations with Power BI
- 👉 🏠 Power BI Security



FABRIC DATA ENGINEER TRAINING PLANS

Choose the plan that fits your goals. **Build. Engineer. Transform.**



Quality Training Assured


**REAL-WORLD SKILLS
REAL IMPACT**
Learn. Build. Succeed.

📅 TRAINING PLAN	📚 MODULES INCLUDED	📅 DURATION	📁 NUMBER OF PROJECTS
 PLAN A Foundation Plan	1. Fabric Data Engineer	 6 Weeks	 1 Realtime Project
 PLAN B Advanced Plan	1. MSSQL, TSQL 2. Fabric Data Engineer	 9 Weeks	 1 Realtime Project 2 Realtime Case Studies
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Choose anyone mode.


 Switch from one mode
to another for *remaining*
classes upon prior intimation.


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