Data Factory and Fabric

Fabric: - Official Lab

Azure Data Factory :- Azure Pass and Referential Material

Duration   :- 56 hours

Introduction Of Data Factory and Storage types

Overview of Different Type of Storage
ADLS Gen2
Storing and Accessing Data
What Is Azure Data Factory and Why we need it
Link Services, Datasets and Copy Activity
Copy Data Tool Activity
Data Ingestion from Data Lake Store to Azure SQL Database

Ingestion and Transforming Data Using Data Flow

Introduction to Mapping Data Flow (MDF)
Debugging in MDF
Introduction to MDF Expression Builder
Scenarios for using Mapping Data Flow

Control Flow CI/CD using GitHub

Saving Changes and publish in GitHub
Continuous Integration and Continuous Delivery

Advance Pipeline using multiple components and Error Handling

Foreach Loop, If then else condition, metadata activity
Configure error handling and load it into Audit Table
Lookup Activity and Stored procedure Activity

Integration with Azure Services

Integrating ADF with other Azure services
Azure Data Lake Storage
Azure SQL Database
Azure Synapse Analytics

DP-600: Microsoft Fabric Analytics Engineer

Course Introduction: - Explore end-to-end analytics with Microsoft Fabric
      Explore end-to-end analytics with Microsoft Fabric
      Administer Microsoft Fabric
      Get started with lakehouses
      Use Apache Spark
      Work with Delta Lake tables
      Secure a Fabric Lakehouse

Ingest data with Dataflow Gen2 in Microsoft Fabric

      Use Data Factory pipelines in Microsoft Fabric
      Ingest data with Spark and Microsoft Fabric notebooks
      Organize a Lakehouse using medallion architecture

Get started with data warehouses in Microsoft Fabric

      Load data into a warehouse
      Query a warehouse
      Monitor a warehouse
      Secure a warehouse

Understand scalability in Power BI

      Create model relationships
      Use tools to optimize Power BI performance
      Enforce Power BI model security