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Microsoft Fabric Training Content Outline

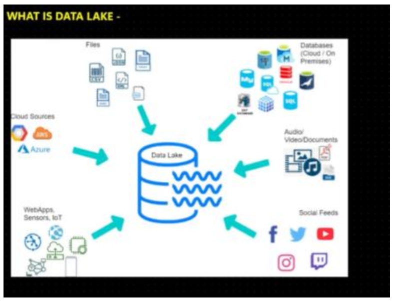
1. Introduction to Microsoft Fabric

- **Overview of Microsoft Fabric**
- **Key Features and Capabilities**
- **Use Cases and Benefits**

2. Setting Up Microsoft Fabric

- **Creating a Microsoft Fabric Account**
- **Navigating the User Interface**
- **Components of Microsoft Fabric (Data Factory, Power BI, Data Warehouse)**

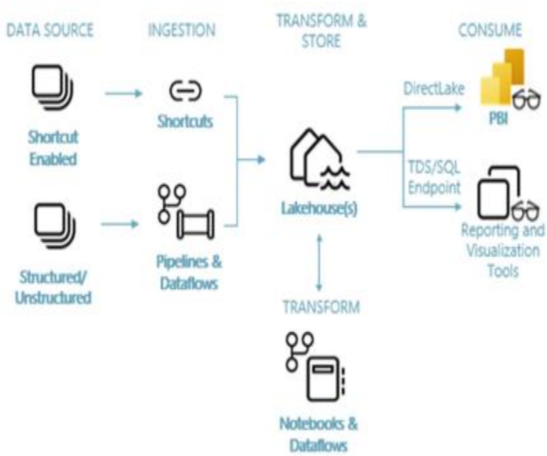
3. Data Integration and Management



- **Connecting to Data Sources**
- **Data Ingestion Techniques**
- **Using Dataflows for Data Transformation**

4. Working with Data in Microsoft Fabric

- **Understanding Datasets and Tables**
- **Basic Data Operations (CRUD)**
- **Advanced Data Manipulation Techniques**



5. Analyzing Data with Power BI

- **Introduction to Power BI**
- **Creating Reports and Dashboards**
- **Data Visualization Techniques**

6. Data Modeling

- **Building Data Models in Microsoft Fabric**

- Understanding Relationships and Measures
- Implementing Calculated Columns and Tables

7. Machine Learning and Artificial Intelligence

- Introduction to AI and ML Features in Fabric
- Building and Deploying Models
- Using Azure Machine Learning Integrations

8. Jobs and Automation in Microsoft Fabric

- Overview of Jobs in Microsoft Fabric
- Creating and Scheduling Jobs
- Monitoring and Managing Automation Tasks

9. Collaboration and Sharing

- Best Practices for Collaboration
- Sharing Reports and Dashboards
- Integrating with Other Microsoft Services (Teams, SharePoint)

10. Performance Tuning and Optimization

- Best Practices for Performance Tuning
- Monitoring Performance Metrics
- Resource Management in Microsoft Fabric

11. Real-World Applications and Projects

- Industry Case Studies
- Hands-On Projects to Reinforce Learning
- Best Practices and Tips

12. Conclusion

- Summary of Key Learnings
- Resources for Continued Learning
- Future Trends in Data Fabric Technologies