DP-600 Weekly Study Plan (6 Weeks)

This 6-week plan prepares you for DP-600: Implementing Analytics Solutions with Microsoft Fabric. It focuses on OneLake, Lakehouse, Delta tables, Data Factory pipelines, governance, and Power BI integration.

Week 1: Fabric Fundamentals

- Understand Microsoft Fabric architecture and OneLake.
- Learn about Lakehouse, Warehouse, and Delta tables.
- Hands-on: Create a Lakehouse and explore Delta table basics.

Week 2: Data Ingestion & Transformation

- Learn Data Factory pipelines inside Fabric.
- Hands-on: Build a pipeline to ingest CSV/JSON data into OneLake.
- Explore notebooks for lightweight transformation tasks.

Week 3: Modeling & Semantic Layer

- Study Fabric's semantic model capabilities.
- Learn how to connect Lakehouse data to Power BI.
- Hands-on: Create a star schema model over Lakehouse data.

Week 4: Advanced Analytics & Integration

- Integrate Fabric with external services (Synapse, Azure ML).
- Learn real-time analytics with Eventstream and Data Activator.
- Hands-on: Build a small real-time analytics dashboard in Power BI.

Week 5: Security & Governance

- Study Fabric workspace roles, sensitivity labels, lineage.
- Learn data sharing and governance in OneLake.
- Hands-on: Configure workspace security and monitor data usage.

Week 6: Review & Capstone

- Take at least 2 practice exams and review weak topics.
- Capstone project: End-to-end solution (Ingest → Lakehouse → Model → Power BI dashboard).
- Finalize notes and schedule exam.