Azure Data Engineering - Course Content

This course has contents for the Exam DP-203

The objectives covered in this course are

- Design and implement data storage (40-45%)
  - Basics
    - Storage Accounts - Azure Data Lake Gen2
    - Azure SQL Databases
    - File Formats
    - Concepts in Storage Accounts
  - Overview of Transact-SQL
  - Azure Synapse Analytics

- Design and develop data processing (25-30%)
  - Azure Data Factory
  - Azure Event Hubs and Analytics
  - Scala, Notebooks and Spark
  - Azure Data Bricks

- Design and implement data security (10-15%)
  - Data Security integration through various methods - Azure AD, Encryption, Azure Key Vault Services, RBAC and Managed Identity

- Monitor and optimize data storage and data processing (10-15%)
  - Implement logging used by Azure Monitor
  - Configure monitoring services
  - Measure performance of data movement
  - Monitor and update statistics about data across a system