

10998: Updating Your Skills to SQL Server 2017

Course Details

Course Outline

1. Introduction to SQL Server 2017

- Overview of SQL Server 2017
- Functionality across versions

2. What's new in SQL Server Performance, Scalability, and Availability.

- Adaptive query processing
- Automatic tuning
- Availability Scalability
 - **Lab : Performance and availability – adaptive query processing**
- Interleaved execution
- Batch mode memory grant feedback
- Batch mode adaptive joins

3. What's New in SQL Server data Access

- SQL Graph
 - **Lab : SQL Graph**
- Create a Graph database
- Query a Graph database

4. What's new in SQL Server Reporting and BI

- Power BI report Server
- Reporting Services update
 - **Lab : Reporting and BI**
- Deploy Power BI report server
- Add commenting to a report

5. New and Enhanced Features in SQL Server Analysis Services

- Tabular model updates
 - **Lab : Ragged hierarchies**
- View existing reports
- Hide blank members

6. New and Enhanced data Analytics Features

- New and enhanced data analytics features
- **Lab : Data analytics with Python**
- Enable external script execution
- Run Python scripts

7. What's new in SQL Server in the Cloud

- Azure SQL database features
- Managed Instances
- **Lab : Managed instances**

8. SQL Server on Linux

- SQL Server on Linux
- Deploying SQL Server on Linux
- **Lab : SQL Server in Docker containers**
- Deploy a SQL Server Docker image
- Run a SQL Server instance inside a Docker container
- Connect to a SQL Server Instance running in a Docker container