10986: Updating Your Skills to SQL Server 2016

Course Details

Course Outline

1. **Introduction to SQL Server 2016**
   - Overview of SQL Server 2016
   - SQL Server 2016 Editions and Components
   - Installing SQL Server 2016
   - SQL Server Management Studio Enhancements
   - o **Lab : Exploring SQL Server 2016**

2. **What's New in SQL Server Performance**
   - Operational Analytics
   - In-memory OLTP Enhancements
   - Query Store
   - Live Query Statistics
   - Native JSON
   - Temporal Tables
   - o **Lab : Implementing SQL Server 2016 Performance Improvements**

3. **What's New in SQL Server Security?**
   - Using Always Encrypted
   - Row-level Security
   - Dynamic Data Masking
   - o **Lab : Implementing SQL Server 2016 Security Improvements**

4. **What's New in SQL Server Availability and Scalability?**
. **Enhanced AlwaysOn Availability Groups**
   - What's New with tempdb?
   - Use Windows Server 2016 with SQL Server 2016
   - PowerShell 5.0
   - o **Lab : Monitoring tempdb**

5. **What's New in SQL Server Reporting and BI**

- Reporting Services Enhancements
- PowerBI Enhancements
- Mobile Report Publisher
- o **Lab : Implementing PowerBI**

6. **What's New in SQL Server Data Access?**

- PolyBase
- What's new in Integration Services
- Working with SSIS and Azure
- o **Lab : Exploring the new features of SQL Server Integrated services (SSIS)**

7. **New and Enhanced Features in SQL Server OLAP**

- New and Enhanced Features in SQL Server OLAP
- What's New in SQL Server Analysis Services
- o **Lab : OLAP with SQL Server**

8. **What's New for SQL Server in the Cloud?**

- Stretch Database
- Enhanced Backups to Azure
- Introduction to SQL Server 2016 Hybrid Cloud
- What's New in SQL Server Azure Database
- o **Lab : Using Stretch Database**