

OD10986B: Updating Your Skills to SQL Server 2016 MOD

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
- **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
- **Lab : Implementing SQL Server 2016 Performance Improvements**

3. What's New in SQL Server Security?

- Using Always Encrypted
- Row-level Security
- Dynamic Data Masking
- **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
- **Lab : Monitoring tempdb**

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

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

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

- PolyBase
- What's new in Integration Services
- Working with SSIS and Azure
- **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
- **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
- **Lab : Using Stretch Database**