

Exploring SQL Server 2016: Intermediate

Modality: On Demand

Duration: 5 Hours

About this course:

The Exploring SQL Server 2016: Intermediate course is the second course in the two course series on Microsoft SQL Server 2016. The course builds on the topics covered in the Exploring SQL Server 2016: Fundamentals course and explores the topics of SQL Server Integration Services (SSIS), SQL Server Analysis Services (SSAS) and SQL Server Reporting Services (SSRS). The course also touches the security and encryption aspect in SQL Server programming.

This SQL Server 2016: Intermediate course covers the more advanced topics of integration, analysis and reporting related to the SQL Server 2016. It also explores the advanced integration in R language, security and encryption features in MS SQL Server 2016. The course when combined with the SQL Server 2016: Fundamentals course is a comprehensive package to master Microsoft SQL Server 2016 and pass any certification exam related to it.

The average salary for a SQL Developer is **\$71,844** per year.

Course Objective:

- Understand the SQL Server Integration Services
- Understand the SQL Server Analysis Services
- Understand the SQL Server Reporting Services
- Implement row level security
- Learn about encryption and data masking
- Explore advance integration in R language

Audience:

- Database professionals with experience in SQL Server 2014 and SQL Server 2016 who want to update their skills to advanced SQL Server 2016
- Certified MCSA: SQL Server professionals who want to prepare for the SQL Server 2016 certification

Prerequisite:

- The course is designed for experienced professionals having technical knowledge of building and managing databases, data warehouses and business intelligence solution with SQL Server 2014 and SQL Server 2016
- In addition to this, operational knowledge and familiarity with Microsoft Windows Server 2012 R2 or later is required to grasp the concepts covered in this course.

Course Outline:

Chapter 01: Security and Availability

- **Topic A: Row Level Security - Part 1**
- Row Level Security - Part 2
- Row Level Security - Part 3
- **Topic B: Always Encrypted - Part 1**
- Always Encrypted - Part 2
- Always Encrypted - Part 3
- **Topic C: Data Masking - Part 1**
- Data Masking - Part 2
- Data Masking - Part 3
- **Topic D: Clusters and Replication - Part 1**
- Clusters and Replication - Part 2
- Clusters and Replication - Part 3
- **Topic E: Stretch Database - Part 1**
- Stretch Database - Part 2
- Stretch Database - Part 3

Chapter 02: SSIS

- **Topic A: SSIS - Part 1**
- SSIS - Part 2
- SSIS - Part 3
- **Topic B: SSIS Continued - Part 1**
- SSIS Continued - Part 2
- SSIS Continued - Part 3

Chapter 03: SSAS and SSRS

- **Topic A: SSAS - Part 1**
- SSAS - Part 2
- SSAS - Part 3
- **Topic B: SSAS Continued - Part 1**
- SSAS Continued - Part 2
- SSAS Continued - Part 3
- **Topic C: SSRS - Part 1**
- SSRS - Part 2
- SSRS - Part 3

Chapter 04: Advanced Integration

- **Topic A: R Language - Part 1**
- R Language - Part 2
- R Language - Part 3
- **Topic B: Master Data Services - Part 1**
- Master Data Services - Part 2

- Master Data Services - Part 3