Exploring SQL Server 2016: Fundamentals

Modality: On Demand

Duration: 5 Hours

About this Course:

This is a beginner-level 5 hours training program for professionals striving to learn the new features and enhanced functionalities of the SQL Server 2016. This is specifically designed for experienced IT and Database Professionals knowing the essentials of the SQL Server 2014. Professionals with expertise in the SQL Server 2016 can pursue a successful career as a SQL Developer earning $71,844 annually.

This course covers the new enhanced features in SQL Server 2016 including Data Accessing, Reporting, Security, Availability, Scalability, and Performance Upgrades. Professionals also get to learn about the essentials of Transact SQL or T-SQL. Through this course, professionals can learn the art of effectively managing memory tables, manageability, and column store indexes. The primary objective of this course is to train and prepare students for success in the SQL Server 2016 Certification Exam.

Course Objectives:

The core objective of this course is to help professionals develop a better understanding and sound knowledge of the following key concepts:

- Getting to Know SQL Server 2016 Components & Capabilities
- SQL Server 2016 Performance, Security, Data Access and Availability Features
- OLAP SQL Server 2016 Improved and Enhanced Features
- Cloud Functionalities & Features in SQL Server 2016
- SQL Server 2016 Sets, Predicate Logic, and T-SQL

Audience:

This course is specifically tailored for the following group of professionals and interested candidates:

- Database Experts & IT Professionals
- Professionals willing to Enhance their Knowledge of SQL Servers and Its Operations
- Professionals Planning to Enroll in SQL Server 2016 Certification Exam

Prerequisites:

Professionals planning to enroll in the Exploring SQL Server 2016: Fundamentals course must comply with the following prerequisites:

- Fundamental Knowledge of Managing & Developing Database and Data Warehouses
- Basic Understanding of Using SQL Server 2014 for Business Intelligent Solutions

- Familiarity with the Essentials of Microsoft Windows Server 2012 R2

Course Outline:

Chapter 01: Introduction to SQL Server 2016

- **Topic A: Introduction - Part 1**
- Introduction - Part 2
- Introduction - Part 3
- **Topic B: Installation - Part 1**
- Installation - Part 2
- Installation - Part 3
- **Topic C: Management Studio - Part 1**
- Management Studio - Part 2
- Management Studio - Part 3
- **Topic D: SSDT - Part 1**
- SSDT - Part 2
- SSDT - Part 3

Chapter 02: T-SQL and Manageability Enhancements

- **Topic A: T-SQL Enhancements - Part 1**
- T-SQL Enhancements - Part 2
- T-SQL Enhancements - Part 3
- **Topic B: Manageability Enhancements - Part 1**
- Manageability Enhancements - Part 2
- Manageability Enhancements - Part 3

Chapter 03: More Enhancements and In Memory Tables

- **Topic A: More Manageability Enhancements - Part 1**
- More Manageability Enhancements - Part 2
- More Manageability Enhancements - Part 3
- **Topic B: In Memory Tables and Stored Procedures - Part 1**
- In Memory Tables and Stored Procedures - Part 2
- In Memory Tables and Stored Procedures - Part 3

Chapter 04: Column Store Indexes

- **Topic A: Column Store Indexes - Part 1**
- Column Store Indexes - Part 2
- Column Store Indexes - Part 3
- **Topic B: Other New Features - Part 1**
- Other New Features - Part 2
- Other New Features - Part 3