Exploring SQL Server 2016, Part 1 of 5: First Look

page 1

Meet the expert: Using Microsoft SQL Server started for Thomas with a Laboratory Information System in version 6.5. The Analysis Service (also called SSAS) option in version 7 got him excited about Data Warehousing, but before he used a production version of SSAS, he became a Database Administrator for versions 6.5 through 2005 while working at a paper mill and home health agency. After writing reports as an application developer for 10 years, he rediscovered Online Analytical Processing (OLAP) implemented into Data Warehouses. Since 2009, he has become a speaker in the SQL Server community and a voice for Microsoft Business Intelligence (MSBI) for enterprises. His transition from Sr. DBA to a Business Intelligence Architect has been a great career path. Thomas has certifications MCP, MCDBA and MCITP in Database Administration and Business Intelligence.

Prerequisites: This course assumes that student has some familiarity SQL Server.

Runtime: 01:51:19

Course description: Begin your exploration of SQL Server 2016 with an overview of what's new and what's been updated. Following an installation example, discover the changes in R services and configuring tempdb, then take a close-up look at the various ways SQL Server Management Studio has been updated. Gain an understanding of the enhancements that have been made to ETL packages, integration services, and reporting services for something like mobile reporting and analytical databases for cubes and tabular models, then take a peek at enhancements in TSQL, temp tables, CHECKDB, and the online altering of tables and store procedures and functions.

Course outline:

Introduction
- Introduction
- Objectives
- Overview
- Microsoft Statement About 2016
- Edition Changes
- Demo: Editions and Components
- System Requirements
- Demo: Hardware and Software Requirements
- Service Pack 1 Changes
- Demo: Service Pack 1
- Summary

Installation
- Introduction
- Objectives
- Overview
- Pre-Requisites
- Installation Center
- Install Setup File
- Rules Validation
- Features
- Failed Rule Check
- TempDB
- Accept R Installation
- Demo: Installing SQL Server 2016
- Demo: Configurations and Install
- 2016 Developers Edition w/ SP1
- Summary

Management Studio
- Introduction
- Management Studio (SSMS)
- What's New
- Demo: Download and Install SSMS
- New Options
- Demo: Tools Options Menu
- Live Query Statistics and Query Store
- Demo: Live Query Statistics
- Database Reports and In-Memory Tables
- Demo: Database Reports
- Additional Features
- Other Updates
- Demo: Additional Features
- Summary

SSDT
- Introduction
- Data Tools (SSDT)
- History
- Installation
- Visual Studio 2015
- Updates
- Download SSDT Website
- Demo: SQL Server Database Project
- Demo: Integration Services Project
- Demo: Analysis and Reporting Services Project
- Summary