

SQL Server Analysis Services

Modality: On Demand

Duration: 10 Hours

About the course:

An online analytical and transactional processing (OLAP) and a tool of data mining instrument in Microsoft SQL Server is “SQL Server Analysis Services - SSAS”. SSAS is utilized as an apparatus by associations to examine and understand data potentially spread out over different databases, or in dissimilar tables or records.

Course Objective:

Microsoft SQL Server Analysis Services (SSAS) conveys data mining functionality and online analytical processing (OLAP) for business knowledge applications. Investigation Services bolsters OLAP by allowing you to configuration, make, and oversee multidimensional structures that contain information totaled from other information sources, for example, relational databases. For information mining applications, Analysis Services allows you to configuration, make, and envision data mining models that are built from other information sources by utilizing a wide assortment of industry-standard algorithms for data mining.

Targeted Audience:

This course is designed for those who need to work in the role of MS BI Architect, SSAS Architect, MDX Developer, Data Modeler, SSAS Developer, SSAS Performance Engineering Specialist, SSAS Administrator, MS BI Developer, and others.

Prerequisite:

Essential working information on SQL Server like working with views, tables, stored methods, and so on is required.

No prior understanding of MDX, SSAS, Data Mining or Dimensional modeling is required.

Course Outline:

Introduction

Module 1: Installing SQL Server Analysis Server

- Lesson 1: Installing SSAS in Multidimensional Mode
- Lesson 2: Getting Started
- Lesson 3: Creating and Deploying a Cube
- Lesson 4: Modifying Measures, Attributes, and Hierarchies
- Lesson 5: Defining Advanced Attribute and Dimension Properties
- Lesson 6: Defining Relationships between Dimensions and Measure Groups
- Lesson 7: Defining Calculations with MDX
- Lesson 8: Defining Key Performance Indicators (KPIs)
- Lesson 9: Defining Actions
- Lesson 10: Defining Perspectives and Translations
- Lesson 11: Defining Administrative Roles

Module 2: Creating a Tabular Model Project and Adding Data

- Lesson 1: Getting Started
- Lesson 2: Renaming Columns
- Lesson 3: Designating a Date Table
- Lesson 4: Creating Relationships
- Lesson 5: Creating Calculated Columns
- Lesson 6: Creating Measures
- Lesson 7: Creating Key Performance Indicators (KPIs)
- Lesson 8: Creating Perspectives
- Lesson 9: Creating Hierarchies
- Lesson 10: Creating Partitions
- Lesson 11: Creating Roles
- Lesson 12: Analyze in Excel
- Lesson 13: Deploying a Model
- Course Summary