MOC 55125 C - Quick Microsoft SQL Server 2012-2014 Analysis Services

Course Summary

Description

This fast-paced instructor-led course is intended for IT professionals who are interested in quickly learning how to utilize an Analysis Services multidimensional or tabular solution. This course also discusses how to use the Analysis Services development tools to create both multidimensional and tabular projects, and follows with explanations on how to use the management and administrative tools to manage both Analysis Services solutions.

Objectives
By the end of this course, participants will be able to:

- Understand common Analysis Services solutions.
- Understand version changes of SSAS from 2008-2014.
- Understand Analysis Services installation and architecture.
- Understand how to choose the right model.
- Understand the Analysis Services tools available.
- Understand the multidimensional model.
- Utilize data sources and data source views.
- Create a cube.
- Understand and utilize dimensions.
- Understand and utilize attributes.
- Understand and utilize relationships.
- Understand and utilize hierarchies.
- Understand and utilize calculated members.

- Understand and utilize measures and measure groups.
- Understand and utilize perspectives.
- Understand and utilize translations.
- Browse perspectives and translations.
- Understand and utilize deployment options.
- Understand and utilize processing strategies.
- Understand and utilize security.
- Deploy a multidimensional model.
- Understand the tabular model.
- Create a tabular project.
- Analyze the data using Microsoft Excel.
- Create and configure calculated measures and calculated fields.
- Backup and Restore.

Topics

- Course Overview
- Introduction to Microsoft SQL Server Analysis Services
- The Multidimensional Solution
- Dissecting with Dimensions

- Managing Measures
- Configuring Cube Options
- Deploying
- The Tabular Solution

Audience

This course is intended for SQL professionals, Microsoft Analysis Services cube and report developers, and business intelligence professionals.

Prerequisites

There are no prerequisites for this course.

Duration

Two days

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Course Outline

I. Course Overview
  A. Lessons
    1. Introduction
    2. Course Materials
    3. Facilities
    4. Prerequisites
    5. What We'll Be Discussing

II. Introduction to Microsoft SQL Server Analysis Services
  A. Lessons
    1. Common Analysis Services Solutions
    2. Version Changes of SSAS from 2008-2014
    3. Analysis Services Installation and Architecture: One Product, Two Models
    4. Choosing the Right Model
    5. Analysis Services Tools
  B. Lab 1: Introduction to Microsoft SQL Server Analysis Services
    1. Analysis Services Tools

III. The Multidimensional Solution
  A. Lessons
    1. Understanding the Multidimensional Model
    2. Utilizing Data Sources and Data Source Views
    3. Creating a Cube
  B. Lab 1: The Multidimensional Solution
    1. Creating a Cube

IV. Dissecting with Dimensions
  A. Lessons
    1. Developing Dimensions
    2. Utilizing Attributes
    3. Relating with Relationships
    4. Handling Hierarchies
  B. Lab 1: Dissecting with Dimensions
    1. Developing Dimensions
    2. Relating with Relationships
    3. Handling Hierarchies

V. Managing Measures
  A. Lessons
    1. Measures and Measure Groups
    2. Calculated Members
  B. Lab 1: Managing Measures
    1. Measures and Measure Groups
    2. Calculated Members

VI. Configuring Cube Options
  A. Lessons
    1. Understanding Perspectives
    2. Utilizing Translations
    3. Browsing Perspectives and Translations
  B. Lab 1: Configuring Cube Options
    1. Browsing Perspectives and Translations

VII. Deploying
  A. Lessons
    1. Examining Deployment Options
    2. Processing Strategies
    3. Exploring Security
  B. Lab 1: Deploying
    1. Deploying the Multidimensional Model

VIII. The Tabular Solution
  A. Lessons
    1. Understanding the Tabular Model
    2. Creating a Tabular Project
    3. Deploying
    4. Browsing the Model
    5. Querying the Solution and Understanding DAX
    6. Maintaining and Optimizing
  B. Lab 1: The Tabular Solution
    1. Creating a Tabular Project
    2. Analyze in Excel
    3. Calculated Measures and Calculated Fields
    4. Backup and Restore