Microsoft SQL Server 2019 Analysis Services

Structured technical training and certification preparation

A practical, student-friendly outline covering introduction to Business Intelligence and Data Modeling, multidimensional Databases, cubes ...

MODULES
9

LESSONS
50

FORMAT
Self-paced

Module Breakdown

MODULE 1

Introduction to Business Intelligence and Data Modeling
1.1 Course Introduction
1.2 Module 1 Introduction
1.3 Introduction to Business Intelligence
1.4 The Microsoft Business Intelligence Platform
1.5 Exploring a Data Warehouse
1.6 Exploring a Data Model

MODULE 2

Multidimensional Databases
2.1 Module 2 Introduction
2.2 Introduction to Multidimensional Analysis
2.3 Overview of Cube Security
2.4 Creating and Configuring a Cube
2.5 Data Sources
2.6 Data Source Views
2.7 Adding a Dimension to a Cube

MODULE 3

Cubes and Dimensions
3.1 Module 3 Introduction
3.2 Dimensions
3.3 Attribute Hierarchies and Relationships
3.4 Sorting and Grouping Attributes
3.5 Slowly Changing Dimensions

MODULE 4

Measures and Measure Groups
4.1 Module 4 Introduction
4.2 Measures
4.3 Measure Groups and Relationships
4.4 Measure Group Storage

MODULE 5

Introduction to MDX
5.1 Module 5 Introduction
5.2 MDX Fundamentals
5.3 Adding Calculations to a Cube
5.4 Querying a cube using MDX

MODULE 6

Customizing Cube Functionality
6.1 Module 6 Introduction
6.2 Key Performance Indicators
6.3 Actions
6.4 Perspectives
6.5 Translations

Module Breakdown (continued)

MODULE 7

Tabular Data Models
7.1 Module 7 Introduction
7.2 Introduction to Tabular Data Models
7.3 Creating a Tabular Data Model
7.4 Configure Relationships and Attributes
7.5 Configuring Data Model for an Enterprise BI Solution

MODULE 8

Data Analysis Expressions (DAX)
8.1 Module 8 Introduction
8.2 DAX Fundamentals
8.3 Calculated Columns
8.4 Relationships
8.5 Measures
8.6 Time Intelligence
8.7 KPI
8.8 Parent - Child Hierarchies

MODULE 9

Data Mining
9.1 Module 9 Introduction
9.2 Overview of Data Mining
9.3 Custom Data Mining Solutions
9.4 Validating a Data Mining Model
9.5 Consuming a Data Mining Model
9.6 Course Wrap Up