

20768 Developing SQL Data Models

Overview

Are you looking for hands-on experience developing SQL data models? This course from New Horizons will equip you with the skills you need to level up in your Business Intelligence career.

In the Developing SQL Data Models course, you will learn how to implement multidimensional databases and create tabular semantic data models for analysis using SQL Server Analysis Services (SSAS).

Prerequisite Comments

We want you to get the most value possible out of your SQL Server training. To maximize your time taking this course, you should have a basic understanding of the Microsoft Windows operating system and its core functionality. You should also have experience working with Transact-SQL and relational databases.

If you don't feel ready to jump into this course quite yet, we suggest that you complete 20761 Querying Data with Transact SQL before taking this course.

Target Audience

If you're a BI developer responsible for creating enterprise BI solutions, this course is perfect for you. You'll also benefit from this course if you are a power information worker or data analyst.

Course Objectives

After finishing this course, you'll have the confidence to create high-quality enterprise BI solutions and apply multidimensional and tabular data models. This course prepares you to:

- Describe the components, architecture and nature of a BI solution
- Create a multidimensional database with analysis services
- Implement dimensions and measures in a cube
- Customize a cube
- Apply MDX syntax
- Implement a tabular database
- Work with DAX to query a tabular model
- Use data mining for predictive analysis

[Register Online](#)

Schedule

Class Length: 3 Days

G2R = "Guaranteed to Run" | OLL = "Online LIVE"
 ILT = "Instructor-Led-Training" | HDL = "Hosted Distance Learning"

09/14/20	G2R	6:00AM - 2:00PM	Online LIVE - Remote Learning (Pacific Time)	OLL	\$1,785.00
09/14/20	G2R	6:00AM - 2:00PM	HDL - All Locations (Pacific Time)	HDL	\$1,785.00
12/14/20	G2R	8:00AM - 4:00PM	HDL - All Locations (Pacific Time)	HDL	\$1,785.00
12/14/20	G2R	8:00AM - 4:00PM	Online LIVE - Remote Learning (Pacific Time)	OLL	\$1,785.00

Course Outline

1 - Introduction to Business Intelligence and Data Modeling

Define the Basics of Business Intelligence
Get to Know the Microsoft Business Intelligence Platform
Lab: Explore a BI Solution

2 - Creating Multidimensional Databases

Apply Multidimensional Analysis
Create Data Sources and Data Source Views
Deploy a Cube
Learn About Cube Security
Lab: Create a Multidimensional Database

3 - Working with Cubes and Dimensions

Configure Dimensions
Define Attribute Hierarchies
Sort and Group Attributes
Lab: Work with Cubes and Dimensions

4 - Working with Measures and Measure Groups

Work with Measures
Practice Using Measure Groups
Lab: Configure Measures and Groups

5 - Introduction to MDX

Navigate the Fundamentals of MDX
Add Calculations to a Cube
Query a Cube Using MDX
Lab: Work with MDX

6 - Customizing Cube Functionality

Implement Key Performance Indicators
Apply Actions, Perspectives and Translations
Lab: Customize a Cube

7 - Implementing a Tabular Data Model by Using Analysis Services

Define and Create Tabular Data Models
Work with an Analysis Services Tabular Model in an Enterprise BI Solution
Lab: Work with an Analysis Services Tabular Data Model

8 - Introduction to Data Analysis Expression (DAX)

Master the Basics of DAX

Use DAX to Create Calculated Columns and Measures in a Tabular Data Model

Lab: Create Calculated Columns and Measures using DAX

9 - Performing Predictive Analysis with Data Mining

Gain an Introduction to Data Mining

Navigate the Data Mining Add-In for Excel

Create a Custom Data Mining Solution

Validate a Data Mining Model

Connect to and Consume a Data Mining Solution

Lab: Practice Data Mining
