

MSQ3-6 - MOC 20466 - IMPLEMENTING DATA MODELS AND REPORTS WITH MICROSOFT SQL SERVER

Categoria: **SQL Server 2014 e 2012**

INFORMAZIONI SUL CORSO



Durata:
5 Giorni



Categoria:
SQL Server 2014 e
2012



Qualifica Istruttore:
Microsoft Certified
Trainer



Dedicato a:
Professionista IT



Produttore:
Microsoft

OBIETTIVI

- Descrivere i componenti, l'architettura e la natura di una soluzione di BI.
- Creare un database multidimensionale di Analysis Services.
- Implementare dimensioni in un cubo.
- Attuare misure e gruppi di misure in un cubo.
- Utilizzare la sintassi MDX.
- Personalizzare un cubo.
- Implementare un modello tabulare dati in SQL Server Analysis Services.
- Utilizzare DAX per migliorare un modello tabulare.
- Creare report con Reporting Services.
- Migliorare i rapporti con grafici e parametri.
- Gestire l'esecuzione del report e la sua consegna.
- Implementare una dashboard in SharePoint Server con PerformancePoint Services.
- Utilizzare il data mining per la Predictive Analysis.

PREREQUISITI

Questo corso richiede che siano soddisfatti i seguenti prerequisiti: Almeno 2 anni di esperienza di lavoro con i database relazionali; Progettazione di un database normalizzato. Creazione di tabelle e relazioni. Interrogazione con Transact-SQL. Alcune conoscenze di base della topologia dello schema di data warehouse (compresa quella a stella e schemi fiocco di neve). Esposizione ai costrutti di programmazione di base (come il looping e branching).

CONTENUTI

Module 1: Introduction to Business Intelligence and Data Modeling

- Elements of an Enterprise BI Solution
- The Microsoft Enterprise BI Platform
- Planning an Enterprise BI Project

Lab : Exploring a BI Solution

- Exploring the Data Warehouse
- Exploring the Analysis Services Data Model
- Exploring Reports

Module 2: Creating Multidimensional Databases

Introduction to Multidimensional Analysis
Creating Data Sources and Data Source Views
Creating a Cube
Overview of Cube Security

Lab : Creating a Multidimensional Database

Creating a Data Source
Creating and Modifying a Data Source View
Creating and Modifying a Cube
Adding a Dimension

Module 3: Working with Cubes and Dimensions

Configuring Dimensions
Defining Attribute Hierarchies
Sorting and Grouping Hierarchies

Lab : Defining Dimensions

Configuring Dimensions and Attributes
Creating Hierarchies
Creating a Hierarchy with Attribute Relationships
Creating a Ragged Hierarchy
Browsing Dimensions and Hierarchies in a Cube

Module 4: Working with Measures and Measure Groups

Working with Measures
Working with Measure Groups

Lab : Configuring Measures and Measure Groups

Configuring Measures
Defining a Regular Relationship
Configuring Measure Group Storage

Module 5: Introduction to MDX

MDX Fundamentals
Adding Calculations to a Cube
Using MDX to Query a Cube

Lab : Using MDX

Creating Calculated Members
Querying a Cube by Using MDX

Module 6: Enhancing a Cube

Working with Key Performance Indicators
Working with Actions
Working with Perspectives
Working with Translations

Lab : Customizing a Cube

Implementing an Action
Implementing Perspectives
Implementing a Translation

Module 7: Implementing an Analysis Services Tabular Data Model

Introduction to Analysis Services Tabular Data Models

Creating a Tabular Data Model

Using an Analysis Services Tabular Data Model in the Enterprise

Lab : Implementing an Analysis Services Tabular Data Model

Creating an Analysis Services Tabular Data Model Project

Configuring Columns and Relationships

Deploying an Analysis Services Tabular Data Model

Module 8: Introduction to DAX

DAX Fundamentals

Enhancing a Tabular Data Model with DAX

Lab : Using DAX to Enhance a Tabular Data Model

Creating Calculated Columns

Creating Measures

Creating a KPI

Implementing a Parent-Child Hierarchy

Module 9: Implementing Reports with SQL Server Reporting Services

Introduction to Reporting Services

Creating a Report with Report Designer

Grouping and Aggregating Data in a Report

Publishing and Viewing a Report

Lab : Creating a Report with Report Designer

Creating a Report

Grouping and Aggregating Data

Publishing a Report

Module 10: Enhancing Reports with SQL Server Reporting Services

Showing Data Graphically

Filtering Reports by Using Parameters

Lab : Enhancing a Report

Adding a Chart to a Report

Adding Parameters to a Report

Using Data Bars and Sparklines

Using a Map

Module 11: Managing Report Execution and Delivery

Managing Report Security

Managing Report Execution

Subscriptions and Data Alerts

Troubleshooting Reporting Services

Lab : Configuring Report Execution and Delivery

Configuring Report Execution

Implementing a Standard Subscription

Implementing a Data-Driven Subscription

Module 12: Delivering BI with SharePoint PerformancePoint Services

Introduction to SharePoint Server as a BI Platform
Introduction to PerformancePoint Services
PerformancePoint Data Sources and Time Intelligence
Reports, Scorecards, and Dashboards

Lab : Implementing a SharePoint Server BI Solution

Creating a SharePoint Server Site for BI
Configuring PerformancePoint Data Access
Creating PerformancePoint Reports
Creating a PerformancePoint Scorecard
Creating a PerformancePoint Dashboard

Module 13: Performing Predictive Analysis with Data Mining

Overview of Data Mining
Creating a Data Mining Solution
Validating a Data Mining Model
Consuming Data Mining Data

Lab : Using Data Mining to Support a Marketing Campaign

Using Table Analysis Tools
Creating a Data Mining Structure
Adding a Data Mining Model to a Data Mining Structure
Validating a Data Mining Model
Using a Data Mining Model in a Report

INFO

Esame: 70-466 - Implementing Data Models and Reports with Microsoft SQL Server

Manuale: Materiale didattico ufficiale Microsoft in formato digitale

Prezzo manuale: 250 € incluso nel prezzo del corso a Calendario

Natura del corso: Operativo (previsti lab su PC)