MS20767 - Implementing a SQL Data Warehouse

Microsoft - SQL Server - Business Intelligence

Durata:	Lingue:	Certificazione:
4 Giorni	**Italiano**	**MCSA SQL 2016 Business Intelligence Development**

Descrizione del corso

This five-day instructor-led course provides students with the knowledge and skills to provision a Microsoft SQL Server database. The course covers SQL Server provision both on-premise and in Azure, and covers installing from new and migrating from an existing install.

Programma

1. Introduction to Data Warehousing
    - Overview of Data Warehousing
    - Considerations for a Data Warehouse Solution
2. Planning Data Warehouse Infrastructure
    - Considerations for Building a Data Warehouse
    - Data Warehouse Reference Architectures and Appliances
3. Module 3: Designing and Implementing a Data Warehouse
    - Logical Design for a Data Warehouse
    - Physical Design for a Data Warehouse
4. Columnstore Indexes
    - Introduction to Columnstore Indexes
    - Creating Columnstore Indexes
    - Working with Columnstore Indexes
5. Implementing an Azure SQL Data Warehouse
    - Advantages of Azure SQL Data Warehouse
    - Implementing an Azure SQL Data Warehouse

- Developing an Azure SQL Data Warehouse
- Migrating to an Azure SQ Data Warehouse

6. Creating an ETL Solution
    - Introduction to ETL with SSIS
    - Exploring Source Data
    - Implementing Data Flow
7. Implementing Control Flow in an SSIS Package
    - Introduction to Control Flow
    - Creating Dynamic Packages
    - Using Containers
8. Debugging and Troubleshooting SSIS Packages
    - Debugging an SSIS Package
    - Logging SSIS Package Events
    - Handling Errors in an SSIS Package
9. Implementing an Incremental ETL Process
    - Introduction to Incremental ETL
    - Extracting Modified Data
    - Temporal Tables
10. Enforcing Data Qualità
    - Introduction to Data Qualità
    - Using Data Qualità Services to Cleanse Data
    - Using Data Qualità Services to Match Data
11. Using Master Data Services
    - Master Data Services Concepts
    - Implementing a Master Data Services Model
    - Managing Master Data
    - Creating a Master Data Hub
12. Extending SQL Server Integration Services (SSIS)
    - Using Custom Components in SSIS
    - Using Scripting in SSIS
13. Deploying and Configuring SSIS Packages
    - Overview of SSIS Deployment
    - Deploying SSIS Projects
    - Planning SSIS Package Execution
14. Consuming Data in a Data Warehouse
    - Introduction to Business Intelligence
    - Introduction to Reporting

- An Introduction to Data Analysis
- Analyzing Data with Azure SQL Data Warehouse

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