MS20463 - Implementing a Data Warehouse with Microsoft SQL Server 2014

Microsoft - SQL Server - Business Intelligence

Durata:	Lingue:	Certificazione:
5 Giorni	**Italiano**	**MCSA SQL Server 2012/2014**

Descrizione del corso

This course describes how to implement a data warehouse platform to support a BI solution. Students will learn how to create a data warehouse with Microsoft® SQL Server® 2014, implement ETL with SQL Server Integration Services, and validate and cleanse data with SQL Server Data Quality Services and SQL Server Master Data Services. Note: This course is designed for customers who are interested in learning SQL Server 2012 or SQL Server 2014. It covers the new features in SQL Server 2014, but also the important capabilities across the SQL Server data platform.

Programma

1. Introduction to Data Warehousing
    - Overview of Data Warehousing
    - Considerations for a Data Warehouse Solution
2. Planning Data Warehouse Infrastructure
    - Considerations for Data Warehouse Infrastructure
    - Planning Data Warehouse Hardware
3. Designing and Implementing a Data Warehouse
    - Data Warehouse Design Overview
    - Designing Dimension Tables
    - Designing Fact Tables
    - Physical Design for a Data Warehouse
4. Creating an ETL Solution with SSIS
    - Introduction to ETL with SSIS

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- Exploring Source Data
- Implementing Data Flow

5. Implementing Control Flow in an SSIS Package
    - Introduction to Control Flow
    - Creating Dynamic Packages
    - Using Containers
    - Managing Consistency
6. Debugging and Troubleshooting SSIS Packages
    - Debugging an SSIS Package
    - Logging SSIS Package Events
    - Handling Errors in an SSIS Package
7. Implementing a Data Extraction Solution
    - Planning Data Extraction
    - Extracting Modified Data
8. Loading Data into a Data Warehouse
    - Planning Data Loads
    - Using SSIS for Incremental Loads
    - Using Transact-SQL Loading Techniques
9. Enforcing Data Qualità
    - Introduction to Data Qualità
    - Using Data Qualità Services to Cleanse Data
    - Using Data Qualità Services to Cleanse Data
10. Using Master Data Services
    - Introduction to Master Data Services
    - Implementing a Master Data Services Model
    - Managing Master Data
    - Creating a Master Data Hub
11. Extending SQL Server Integration Services
    - Using Scripts in SSIS
    - Using Custom Components in SSIS
12. Deploying and Configuring SSIS Packages
    - Overview of SSIS Deployment
    - Deploying SSIS Projects
    - Planning SSIS Package Execution
13. Consuming Data in a Data Warehouse
    - Introduction to Business Intelligence
    - Enterprise Business Intelligence

- Self-Service BI and Big Data