

Implementing a Data Warehouse with Microsoft SQL Server (MOC 20463D)

Duration : 5 Days

Course Content

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.

Prerequisites

- At least 2 years experience of working with relational databases, including:
- Designing a normalized database.
- Creating tables and relationships.
- Querying with TransactSQL.
- Some exposure to basic programming constructs (such as looping and branching)..

Course Outline

- Module 1: Introduction to Data Warehousing
- Module 2: Data Warehouse Hardware Considerations
- Module 3: Designing and Implementing a Data Warehouse
- Module 4: Creating an ETL Solution with SSIS
- Module 5: Implementing Control Flow in an SSIS Package
- Module 6: Debugging and Troubleshooting SSIS Packages
- Module 7: Implementing an Incremental ETL Process
- Module 8: Enforcing Data Quality
- Module 9: Using Master Data Services
- Module 10: Extending SQL Server Integration Services
- Module 11: Deploying and Configuring SSIS Packages

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- Module 12: Consuming Data in a Data Warehouse.

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