ASM Educational Center (ASM) *Est. 1992*

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Implementing a Data Warehouse with Microsoft SQL Server 2012 (Exam 70-463)

Course Outline

Lesson 1: Introduction to Data Warehouses
    Topic A: Overview of Data Warehouses
    Topic B: Examine Data Warehousing Concepts
    Topic C: Introduction to Data Analysis and Reporting Concepts

Lesson 2: Creating Dimensions and Changing Granularity of Dimensions
    Topic A: Create Dimensions
    Topic B: Change Granularity

Lesson 3: Creating Fact Tables and Columnstore Indexes
    Topic A: Create Fact Tables
    Topic B: Create Columnstore Indexes

Lesson 4: Implementing Data Warehouses in SQL Server 2012
    Topic A: Overview of Data Warehouse Components
    Topic B: Install Integration Services

Lesson 5: Working with Integration Services
    Topic A: Create an SSIS Project
    Topic B: Add Packages to an SSIS Project

Lesson 6: Managing Control Flow
    Topic A: Deploy a Control Flow
    Topic B: Execute Packages from Different Control Flow

Lesson 7: Working with Dynamic Variables
    Topic A: Create Expressions with Variables
    Topic B: Create Package Templates

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Lesson 8: Implementing Data Flow
>   Topic A: Add Data Flow Components to a Data Flow Task
>   Topic B: Perform Transformation Tasks
>   Topic C: Track Changed Data

Lesson 9: Managing Data Flow
>   Topic A: Add Script Tasks and Script Components to an SSIS Package
>   Topic B: Profile OLTP Data
>   Topic C: Cleanse Data Using DQS

Lesson 10: Managing SSIS Package Execution
>   Topic A: Execute SSIS Packages on the Server
>   Topic B: Configure the Package Execution Strategy

Lesson 11: Debugging and Troubleshooting Packages
>   Topic A: Debug Package Execution Components
>   Topic B: Troubleshoot Package Failures

Lesson 12: Deploying Packages
>   Topic A: Deploy SSIS Packages
>   Topic B: Examine MSI Packages

Lesson 13: Securing Packages and Databases
>   Topic A: Secure Packages
>   Topic B: Secure Databases

Lesson 14: Working with MDS and Windows Azure
>   Topic A: Configure MDS
>   Topic B: Work with MDS Databases
>   Topic C: Work with Windows Azure