

55073 Master Data Services, Data Quality Services with SQL 2012-2014 and Excel

Course Overview

This is a 3-day class

Microsoft SQL Server 2012-2014 Master Data Services is a powerful feature designed to help organizations create a structure and hierarchy for data, so that data collected and used across multiple departments, silos and databases is standardized & aligned.

Who Should Attend

This course is intended for SQL Professionals, Business Intelligence Developers, Data Analysts and Data Stewards and Project Managers that need to learn how to utilize Master Data Services.

Course Objectives

At Course Completion

- Have a basic understanding of the concepts behind master data management.
- Configure Master Data Services.
- Create models and entities.
- Add attributes including domain-based attributes.
- Add a member via the web interface.
- Reverse a transaction.
- Create and configure attribute groups.
- Create and configure derived hierarchies.
- Create and configure collections.
- Create a leaf member with T-SQL.
- Delete a member with the web interface and examine results in SSMS.
- View errors in batch files.
- Load leaf members with SQL Server Integration Services and flat files.
- Create and configure versions.
- Navigate the business rules interface.
- Create a business rule.
- Populate a value based on another value.
- Explore and fix validation issues.
- Set up security in MDS.
- Create and configure a subscription view.
- Create a connection to an MDS database using Excel.
- Publish data to an MDS database using Excel.
- Filter data using Excel.
- Save a query to Excel.
- Create an entity from data in Excel.
- Create a new knowledge base.
- Create a DQS Quality Cleansing Project.

Course Outline

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1 COURSE OVERVIEW

Introduction
Course Materials
Facilities
Prerequisites
What We'll Be Discussing

2 MASTER DATA MANAGEMENT CONCEPTS

What is Master Data Management?
The Need for Master Data Management
Data Quality
Master Data vs. Transactional Data
Master Data Management Team
Master Data Management Architectures
The MDM Extract-Transform-Load

3 MICROSOFT MASTER DATA SERVICES OVERVIEW

Project Implementation
Master Data Services Key Terms
Master Data Services Web Interface
Installing Master Data Services

4 UNDERSTANDING DATA MODELS

Modeling Process
MDS Object - Model
The Model Object
Lab 1: UNDERSTANDING DATA MODELS

5 IMPORTING DATA

MDS Entity-Based Staging
Lab 1: IMPORTING DATA

6 VERSION MANAGEMENT

Understanding Versions
Web Interface
Version Statuses
Copying a Version
Locking, Unlocking and Committing Versions
Version Flags
Ancestry
Validating Versions
Lab 1: VERSION MANAGEMENT

7 BUSINESS RULES

Business Rules Overview
How to Create a Business Rule
Conditions and Actions
Publish a Business Rule
Validation Issues
Lab 1: BUSINESS RULES

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8 MDS SECURITY

- Master Data Services Security Overview
- Users and Groups
- Administrators
- Permission Levels
- Best Practices
- Lab 1: MDS SECURITY

9 PUBLISHING DATA

- Subscription Views
- Formats
- How Subscribing Systems Can Extract Data
- Creating Views
- Lab 1: PUBLISHING DATA

10 EXCEL ADD-IN

- Creating Connections
- Publishing Data
- Filtering Data
- Saving a Query
- Create an Entity From Data
- Settings
- Lab 1: EXCEL ADD-IN

11 DATA QUALITY SERVICES

- Architecture
- Data Quality Cleansing
- Microsoft Data Quality Solution
- Lab 1: DATA QUALITY SERVICES