Applied Master Data Management and Data Quality Course Details

Organizations that invest in master data management and improving the quality of their informational assets will be best positioned to reap the huge data dividend! SQL Server and this class will help you get started on this goal. Use Master Data Services (MDS) to manage your master and referenced data. Use Data Quality Services (DQS) to externalize rule management to business users.

Syllabus

This two-day class is designed to help you become proficient with SQL Server 2016 Master Data Services (MDS) and Data Quality Services (DQS). IT and business users learn how to design MDS models and extend them with business rules, attribute groups, and hierarchies. IT will learn how to integrate MDS with upstream and downstream systems and how to enforce secured access. Business users will learn how to use Excel to manage data with the tool they love most! Then, the class teaches how to create DQS knowledge bases, perform matching and cleansing tasks, and integrate DQS with SSIS packages to automate data quality processes. The class can be customized to target separately pro and business user audiences.

Module 1: Introducing Master Data Services

Understanding master data management
Understanding master and referenced data
Understanding MDS architecture and components
Lab 1: Working with Master Data Manager
Introducing MDS Excel add-in
Lab 2: Working with MDS Excel Add-in

Module 2: Modeling Fundamentals

Understanding MDS models
Understanding entities
Lab 1: Creating models and entities
Understanding attributes
Understanding attribute dependencies
Lab 2: Create attributes

Module 3: Enhancing Models

Understanding attribute groups
Understanding derived hierarchies

Lab 1: Creating groups and hierarchies
Understanding basic and complex rules
Understanding workflows
Lab 2: Working with rules

Module 4: Version and Integration Management

Understanding versions and version lifecycle
Understanding flags
Understanding transactions
Lab 1: Version management
Understanding MDS staging
Understanding subscription views
Lab 2: Integration management

Module 5: Securing Master Data

Understanding authentication and authorization
Understanding permissions
Understanding effective security
Understanding member security
Lab 1: Securing master data

Module 6: Introducing Data Quality Services

Understanding Data Quality Services
Understanding Data Quality Components
Lab 1: Using the Data Quality Client Application
Understanding Knowledge Bases
Understanding domains
Lab 2: Creating knowledge bases

Module 7: Performing Data Quality Tasks

Understanding data cleansing projects
Understanding data matching projects
Lab 1: Data cleansing and matching
Understanding integration with MDS
Understanding integration with DQS
Lab 2: Integrating DQS

Audience

IT and BI pros

Business users and data stewards

Data analysts

Prerequisites

Experience navigating the Microsoft Windows environment

Hardware and software requirements

Windows 7 or above OS

SQL Server with MDS and DQS

Detailed software setup instructions will be sent before the event.

Instructor

Teo Lachev is a consultant, author, and mentor, with a focus on Microsoft Business Intelligence. Through his Atlanta-based company "Prologika", a Microsoft Gold Partner in Data Analytics, he designs and implements innovative solutions that unlock the power of data and bring tremendous value to his customers, ranging from small companies to Fortune 50 organizations. Teo has authored and co-authored several SQL Server BI books and he has been leading the Atlanta Microsoft Business Intelligence group since he founded it in 2010. Microsoft has recognized Teo's expertise and contributions to the technical community by awarding him the prestigious Microsoft Most Valuable Professional (MVP) award every year since 2004.