

InfoSphere MDM Physical Module Algorithms V11

Course#: ZZ981G

Duration: 2.5 Days

Price: 3000.00

Course Description

Do you want to find duplicates and perfect a search algorithm for your InfoSphere MDM Physical implementation? Then this course is designed for you. The InfoSphere MDM V11 Physical Module Algorithms course prepares you to work with and customize the algorithm configurations deployed to the InfoSphere MDM Probabilistic Matching Engine (PME) for the Physical MDM implementation.

Objectives

Understand how Duplicate Suspect Processing and Search (using PME) work for Physical Implementations of InfoSphere MDM

Understand the MDM configuration project and database tables used by the PME

Understand the PME Algorithms (Standardization, Bucketing and Comparison steps) and how to create and customize the algorithms using the workbench

Understand how to analyze the Bucketing steps in an algorithm

Understand how to generate weights for a given algorithm and how those weights are generated based on a sample database set.

Understand how to analyze the weights that are generated using the workbench

Understand how to deploy the PME configuration for a Physical implementation of InfoSphere MDM.

Understand the integration between the Physical module and the PME

Audience

This advanced course is for Business and Technical Specialist working with Suspect Duplicate Processing and Search services of InfoSphere MDM.

Prerequisites

If you are new to MDM, you should take the following courses:

If you have experience with InfoSphere MDM, you do not need to take course 1Z801G.

Content

PME and Physical Overview

Physical MDM Overview

Terminology (Entity, Critical Data, Business Object)

PME and Physical MDM (Algorithms, Weights, Comparison Scores, Thresholds)

Physical MDM Suspect Duplicate Processing

Physical MDM Probabilistic Search

Exercise: Testing the default Physical PME algorithm

Physical PME Data Model and Mapping

Default Physical BObjs and mapping to PME

Virtual Party Template

Default Party Configuration project

Exercise: Loading default Physical PME Configuration project

Physical MDM Algorithms

Standardization

Bucketing

Comparison Functions

Exercise: Explore and customize the default Physical Algorithm

Bucket Analysis

Analysis Overview
Attribute Completeness
Bucket Analysis
Exercise: Analyzing our Buckets

Weights

Weights Overview (Frequency-based weights, Edit Distance weights and Parameterize weights)
The weight formula
Running weight generation
Analyzing weights
Bulk Cross Match process
Pair Manager
Threshold calculations
Exercise: Generate Weights
Exercise: Pair Manager and Threshold Calculations
Exercise: Deploying the Physical MDM PME Configuration

Physical MDM PME Adapters and Converters

MDM PME Adapter overview
MDM Outbound and Inbound Converters
Exercise: Creating a custom converter