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Physical Module Algorithms for InfoSphere MDM V11
Information

Length: 2.0 Days
Ref: ZZ980G-X
Delivery method: Classroom
Price: EUR

Overview

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. The PME is the heart of all Matching and Searching for entities (Person, Organization, etc) that exist in InfoSphere MDM.

This course has a heavy emphasis on the exercises, where you will implement the customization discussed in the course to perform matching and searching on fields not provided by the default implementation. At the end of this course it is expected you will feel comfortable customizing an algorithm for the PME for a Physical implementation.

Public

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

Prerequisites

We recommend that you take the following courses prior to enrolling in this course:

- *ZZ800*
- or** experience with InfoSphere MDM

Objective

- 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

Topics

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

Agenda:

Day 1

- Unit 1: PME and Physical Overview
- Unit 2: Physical PME Data Model and Mapping
- Unit 3: Physical MDM Algorithms

Day 2

- Unit 4: Bucket Analysis
- Unit 5: Weights
- Unit 6: Physical MDM PME Adapters and Converters

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