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InfoSphere MDM Algorithms V11  
Information

**Length:** 24.0 Hours  
**Ref:** ZZ780G □  
**Delivery method:** Classroom  
**Price:** EUR

Overview

Do you want to find match member records, link member records, and perfect a search algorithm for your InfoSphere MDM Virtual and Physical implementation? Then this course is designed for you.

The InfoSphere MDM Algorithms V11 course prepares you to work with and customize the algorithm configurations deployed to the InfoSphere MDM Probabilistic Matching Engine (PME) for a Virtual and Physical MDM implementations. The PME is the heart of all Matching, Linking, 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, linking, 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 Virtual and Physical MDM implementations.

Public

This advanced course is for Business and Technical Specialist working with the Matching, Linking, and Search services of InfoSphere MDM.

Prerequisites

You should have completed:

- (1Z801)
- or experience with InfoSphere MDM

Objective

Prior to enrolling, IBM Employees must follow their Division/Department processes to obtain approval to attend this public training class. Failure to follow Division/Department approval processes may result in the

IBM Employee being personally responsible for the class charges.

GBS practitioners that use the EViTA system for requesting external training should use that same process for this course. Go to the EViTA site to start this process:

<http://w3.ibm.com/services/gbs/evita/BCSVTEnrl.nsf>

Once you enroll in a GTP class, you will receive a confirmation letter that should show:

- The current GTP list price
- The 20% discounted price available to IBMers. This is the price you will be invoiced for the class.

Topics

## **Content**

PME and Virtual Overview

- Virtual MDM Overview
- Terminology (Source, Entity, Member, Attributes)
- PME and Virtual MDM ( Algorithms, Weights, Comparison Scores, Thresholds)
- Virtual MDM Linkages and Tasks

Virtual MDM Algorithms

- Standardization
- Bucketing
- Comparison Functions
- Exercise: Creating a new Algorithm

Virtual PME Data Model

- Algorithm configuration tables
- Member Derived Data
- Bucketing Data
- Exercise: Loading Members and viewing Algorithm and Derived data

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
- Exercise: Generate Weights and analyzing weight distribution

## Threshold

- Bulk Cross Match process
- Pair Manager
- Threshold calculations
- Entity Analytics
- Exercise: Threshold Calculations
- Exercise: Pair Manager
- Exercise: Testing our algorithm

## 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
- Exercise: Analyzing our Buckets
- Exercise: Generate Weights
- 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 Virtual Overview
- Unit 2: Virtual MDM Algorithms
- Unit 3: Virtual PME Data Model

### Day 2

- Unit 4: Bucket Analysis
- Unit 5: Weights
- Unit 6: Threshold

### Day 3

- Unit 7: PME and Physical Overview
- Unit 8: Physical PME Data Model and Mapping
- Unit 9: Physical MDM Algorithms
- Unit 10: Physical MDM PME Adapters and Converters