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Virtual Module Algorithms for InfoSphere MDM V11  
Information

**Length:** 16.0 Hours  
**Ref:** ZZ880G □  
**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 implementation? Then this course is designed for you. The InfoSphere MDM Virtual Module Algorithms V.11 course prepares students to work with and customize the algorithm configurations deployed to the InfoSphere MDM Probabilistic Matching Engine (PME) for Virtual 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 the students 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 that students will feel comfortable customizing an algorithm for the PME for Virtual implementations.

Public

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

Prerequisites

It is recommended that you take the following course prior to enrolling in this course:

- (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

### **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
- Bulk Cross Match process
- Pair Manager
- Threshold calculations
- Exercise: Generate Weights and analyzing weight distribution

- Exercise: Pair Manager and Threshold Calculations
- Exercise: Testing our algorithm

## **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