

InfoSphere MDM Algorithms V11  
Information

**Length:** 24.0 Hours

**Ref:** 1Z780G

**Delivery method:** Web-Based Training

**Price:** INR

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 students 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 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 students will feel comfortable customizing an algorithm for the PME for a Virtual and Physical MDM implementations.

If you are enrolling in a Self Paced Virtual Classroom or Web Based Training course, before you enroll, please review the **Self-Paced Virtual Classes and Web-Based Training Classes** on our Terms and Conditions page, as well as the system requirements, to ensure that your system meets the minimum requirements for this course.

<http://www.ibm.com/training/terms>

Public

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

Prerequisites

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

- ZZ800 or experience with InfoSphere MDM

## 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
- 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