

## Virtual Module Algorithms for InfoSphere MDM V11 - SPVC

**Course#:** 2Z880G  
**Duration:** 2 Days  
**Price:** 0.00

### Course Description

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 v11 course prepares students to work with and customize the algorithm configurations deployed to the InfoSphere MDM Probabilistic Matching Engine (PME) for a 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 students will feel comfortable customizing an algorithm for the PME for a Virtual 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>

### Objectives

Understand how Matching and Linking work for both the Virtual 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 the Virtual implementations of InfoSphere MDM.

## **Audience**

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)orexperience with InfoSphere MDM

## **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

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