

InfoSphere MDM Algorithms V11 - SPVC

Course#: 2Z780G
Duration: 3 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 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>

Objectives

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

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 the Virtual implementations of InfoSphere MDM.

Understand how to deploy the PME configuration for a Physical implementation of InfoSphere MDM.

Understand the integration between the Physical module and the PME

Audience

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

Prerequisites

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

Introduction to InfoSphere Master Data Management V11.3 (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

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