Arrow ECS Finland Oy - Education Services

TRAINING OFFERING

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InfoSphere MDM Algorithms V11

CODE:	LENGTH:	PRICE:
ZZ780G	24 Hours (3 days)	€2,340.00

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 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.

Objectives

- Understand how Matching and Linking work for both the Virtual Implementations of InfoSphere MDM
- Learn how Duplicate Suspect Processing and Search (using PME) work for Physical Implementations of InfoSphere MDM
- Know and 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
- Learn 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
- Learn 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 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

Programme

ContentPME 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

Session Dates

Aikataulutamme kiinnostuksen mukaan. Ota yhteyttä

Additional Information

This training is also available as onsite training. Please contact us to find out more.