Training: IBM
# InfoSphere MDM Architecture

## TRAINING GOALS:

This course is designed for anyone who wants to get an understanding of the InfoSphere MDM Architecture (including the Virtual and Physical Hubs). This course walks you through the major components of the InfoSphere MDM and how each component interacts. You will learn how InfoSphere MDM responds once a service is invoked and the various configuration and extension points of a service. The course is used as an introduction to various components that make up the MDM Architecture and prepares you to identify how MDM will fit into their organization and what pieces may be customized to fit their business requirements.

The next courses that may be of interest to you include:

- *Data Model and Service Mapping for the InfoSphere MDM Advanced Edition V10 (ZZ610)*
- *Customizing the InfoSphere MDM Advanced Edition V10 (ZZ640)*
- *IBM InfoSphere MDM Server Service Customization for MDM Server 9 (ZZ340)*
- *InfoSphere MDM Server User Interface Generator (DC560)*

- Understand the InfoSphere MDM Architecture and how a service on the Virtual and Physical Hub are handled
- Understand the Configuration Points of the InfoSphere MDM
- Understand the Core Data Entities of the Physical Hub and their relationship to each other
- Understand the Tables of the virtual Hub
- Understand the Extension Points of the InfoSphere MDM Physical Hub
- Understand the Configuration Points of the InfoSphere MDM Virtual Hub
- Understand the Common components and services of the Physical and Virtual Hubs

This intermediate course is designed for the following participants who want to get an understanding of the InfoSphere MDM Architecture (including the Virtual and Physical Hubs):

- Infrastructure Specialist
- Senior Technical Specialist
- Technical Specialist
- Support Engineers
- System Architects



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CONSPECT:

**Unit 1: MDM and the Enterprise**

- Physical, Virtual and Hybrid Hubs
- Working with Physical Hub
- Working with Virtual Hub
- Working with Hybrid Hub

**Unit 2: Architecture**

- Big Picture
- How InfoSphere MDM Works
- Architecture Overview

**Unit 3: MDM Physical Model**

- Party Domain
- Account Domain
- Product Domain
- Metadata
- Common Domain

**Unit 4: MDM Virtual Model**

- Member Tables
- Dictionary Tables
- Entity and Relationship Tables
- Audit Tables

**Unit 5: How InfoSphere MDM services are Invoked**

- InfoSphere MDM Consumers
- How Services are invoked
- How Services are Handled

**Unit 6: How Services are implemented**

- Handing Physical Hub Services
- Handing Virtual Hub Services

**Unit 7: Linking and Duplicates**



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- Probabalistic Matching Engine
- Algorithms
- Bucketing
- Standardization
- Comparison Functions
- Weights
- Physical Hub Suspect Processing
- Virtual Hub Linking

**Unit 8: How Services are Extended (Physical Hub)**

- Types of Extensions
- Data Extension
- Data Additions
- Specs
- Behavior Extensions
- Composite Services

**Unit 9: How Services are Configured (Virtual)**

- Data Model Customizations
- Algorithms
- Handlers
- Events
- Composite Views

**Unit 10: Common Services**

- External Rules
- Validation
- Rules of Visibility
- Configuration
- Standardization
- Logging and Servicibility
- Multi-Timezone
- Search Framework

**Unit 11: Integration**

- Information Server



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- BPM
- Identity Insight

**Agenda :**

**Day 1**

- Unit 1: MDM and the Enterprise
- Unit 2: Architecture
- Unit 3: MDM Physical Model
- Unit 4: MDM Virtual Model

**Day 2**

- Unit 5: How InfoSphere MDM services are Invoked
- Unit 6: How Services are implemented
- Unit 7: Linking and Duplicates
- Unit 8: How Services are Extended (Physical Hub)

**Day 3**

- Unit 9: How Services are Configured (Virtual)
- Unit 10: Common Services
- Unit 11: Integration

## REQUIREMENTS:

It is recommended you have:

- Working knowledge Java EE architecture

## Difficulty level



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