# InfoSphere MDM Architecture V11

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Course#:ZZ820G
Duration:3 Days
Price:3000.00
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## Course Description

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)


## Objectives


 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

## Audience

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

## Prerequisites

It is recommended you have:

Working knowledge Java EE architecture

## Content

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

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

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