

2Z840G: InfoSphere MDM Workbench v11

Course Code: 2Z840G

Duration: 3 days

Instructor-led Training (ILT) | Virtual Instructor-led Training (VILT)

OVERVIEW

This course is designed for anyone who wants to get an understanding of how to use and customize the InfoSphere Master Data Management using the InfoSphere MDM Workbench. This course takes a participant through the process customizing both the Virtual and Physical MDM using the InfoSphere MDM Workbench. The focus of the course is on the core features of the Workbench: Creating a Physical MDM Addition, creating a Physical MDM Extension, creating a Physical MDM Behavior Extension, creating a composite service, deploying a Virtual MDM configuration, configuring the Virtual Data Model, creating a Virtual custom Composite View, creating a Virtual Callout Handler, generating an enterprise service interface using the Virtual data model and customizing a Hybrid implementation. For each core area, the instructor will explain the high-level concepts, have the participants work with the feature and then demo and review the feature details. Heavy emphasis is put on exercises and activities, allowing course participants to apply the knowledge that they learn in the classroom, after course conclusion.

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.

SKILLS COVERED

- Understand the MDM Architecture and how the Physical, Virtual and Hybrid MDM handles a service request
- Understand the core Workbench features available for the InfoSphere MDM
- Understand how MDM using OSGi for deploying customizations to the product
- Create a new Physical MDM Entity using the Workbench Wizard
- Extend an existing Physical MDM Entity using the Workbench Wizard
- Extend an existing Physical MDM Service using the Workbench Wizard
- Create a new Composite Service using a transient object containing other existing business objects
- Customize and deploy a Virtual configuration
- Create a new Virtual Callout Handler
- Create a new Virtual Composite View
- Generate new Services based on the Virtual configuration (eSOA)
- Customize a Hybrid MDM implementation
- Understand the Adaptive Service Interface (ASI)

WHO SHOULD ATTEND?

This advanced course is for Infrastructure Specialist, Senior Technical Specialist, Technical Specialist, Support Engineers, and System Architects.

PREREQUISITES

You should have attended InfoSphere MDM Physical Domains v11.4 (2Z930). It is also recommended that you have working knowledge of Java development **and** XML concepts as it will be used during the exercises.

MODULES

Module 1: Introduction

Module 2: InfoSphere MDM Architecture

- Virtual, Physical and Hybrid MDM
- Request/Response Framework
- Core Physical MDM
- Core Virtual MDM

Module 3: OSGi and MDM

Module 4: Physical MDM Data Additions

- Additions Architecture
- Creating an MDM Module Project
- Creating an Addition
- Core Property Files
- Custom Code Tables

Module 5: Physical MDM Data Extensions

- Extensions Architecture
- Creating an Extension

Module 6: Physical MDM Behavior Extensions

- Behavior Extensions Architecture
- Creating an Behavior Extension

Module 7: Composite Services

- XML Composite Services
- Java (Business Proxy) Composite Services

Module 8: Adaptive Service Interface (ASI)

- How ASI fits into the InfoSphere MDM Architecture
- How to build an new Service Mapping
- How to tailor service for your organization

Module 9: Virtual Data Model

- Virtual data model
- Creating a new MDM Virtual Attribute Type

- Deploying the Virtual Configuration

Module 10: Virtual Handlers

- Callout Handlers
- Event Handlers
- Composite View Handlers

Module 11: eSOA Toolkit

- Understand the eSOA Toolkit
- Generate java and WebService client

Module 12: Hybrid MDM

- Hybrid MDM assets
- Hybrid MDM service flow
- Hybrid MDM Customizations

AGENDA:

Day 1

- Unit 1: InfoSphere MDM Architecture
- Unit 2: OSGi and MDM

Physical MDM

- Unit 3: Data Additions
 - Exercise 1: Additions
- Unit 4: Physical Data Extensions
 - Exercise 2: Extensions – New Person Attribute

Day 2

- Unit 5: MDM Physical Behavior Extensions
 - Exercise 3: Behavior Extension
- Unit 6: Composite Services
 - Exercise 4: Composite Services
- Unit 7: Adaptive Services Interface (ASI)

Virtual MDM

- Unit 8: Virtual Data Model
 - Exercise 5: Creating a Custom Attribute Type

Day 3

- Unit 9: Virtual Handlers
 - Exercise 6: Callout Handler
 - Exercise 7: Custom Composite View
- Unit 10: eSOA Toolkit
 - Exercise 8: eSOAToolkit
- Unit 11: Hybrid MDM
 - Exercise 9: Hybrid Customization

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