

IBM InfoSphere Master Data Management (MDM) Standard Edition: Architecture and Development

OEM: IBM • Duration: 2 Days (16 hrs) • Code: V010027G

COURSE MODULES & TOPICS

Objectives

- Learn the architecture of InfoSphere MDM, including the Request/Response Framework, OSGi packaging, and Composite Services.
- Gain hands-on experience building Virtual data model customizations, Adaptive Service Interface mappings, and interaction handlers.

Day 1

Unit 1: InfoSphere MDM Architecture

- Describe the major components of the InfoSphere MDM
- Describe how a service is handled by the Request/Response Framework
- Describe how a service is handled by the Core MDM Framework
- Describe the major processes involved in the PrePost Framework
- Understand OSGi and how MDM is packaged
- Understand the differences between the Virtual and Physical modules

Unit 2: InfoSphere MDM Workbench

- Understand the OSGi Bundles
- Understand how OSGi services work
- Understand how MDM uses OSGi blueprint files
- Understand how to deploy customizations

Unit 3: Physical MDM Editions

- Create a new MDM Data Addition
- Create a new MDM Code Table
- Customize code generated by the workbench

Day 2

Unit 4: MDM Physical Extensions

- Create an MDM Physical Entity Extension

- Understand how an entity extension impacts the existing services
- Understand how an entity extension fits into the InfoSphere MDM Architecture

Unit 5: MDM Behavior Extensions

- Create a new Behavior Extension using the MDM Workbench
- Understand the Metadata involved in MDM Behavior Extensions
- Understand how Behavior Extensions fit into the MDM Architecture

Unit 6: MDM Composite Services

- Understand the types of Composite Services you can create
- Understand the behavior of a XML Composite
- Understand the behavior of a Business Proxy Composite
- Understand when to use XML composite versus Business Proxy Composite

Day 3

Unit 7: Adaptive Service Interface

- Understand the Adaptive Services Interface (ASI) is and how it fits into the architecture
- How to build a Service Tailoring so that we are only exposing a subset of the InfoSphere MDM services and data model to our organization
- How to build a custom mapping from your enterprise data model and services to the MDM data model and services
- Understand the options for the ASI feature

Unit 8: Virtual data model customizations

- Understand the Virtual Metadata model used to define new Segments
- Create a new MDM Virtual Attribute Type
- Create a new Member Attribute
- Deploy the Virtual Configuration

Unit 9: Virtual Interactions Handlers

- Understand Virtual Module Handlers
- How to create an Interaction Handler
- Understand the Event Handler
- How to create a Composite View