InfoSphere Programming with MDM Collaborative Edition Training (ZZ540G)

Course Summary

Description

This introductory course, Programming with IBM InfoSphere MDM Collaborative Edition V10.1, is a must for those wanting to learn how to setup their environment and begin programming with MDM CE. Using IBM's Implementation Methodology Approach (use cases), the developer will have first-hand experience building a solution that will incorporate the functionality of the MDM CE product. This course will provide the developer with an initial understanding of the MDM CE Object Data Model and migrate towards programming a solution and finally understand the Best Practices for programming with MDM CE product.

Topics

- Introduction to MCMCE
- Introduction to MDMCE Programming languages
- MDMCE Programming Exercises (Use Case)
- Best Practices

Audience

This advanced course caters to developers, solution architects, technical architects, and technical specialists.

Prerequisites

Before taking this course, students should have taken the Using InfoSphere MDM Collaborative Edition V10.1 course, or previous IBM InfoSphere MDM Server for PIM V9.0 courses. Students should also have familiarity with eclipse based Integrated Development Environment, and +2 years of Java programming experience.

Duration

Three days

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Course Outline

I. Introduction to MCMCE

A. MDMCE Overview
B. MDMCE Architecture Overview
C. Introduction of Documentation e.g. Information Center Java API Docs, Scripting References
D. Introduction to MDM CE Object Data Model
E. MDM CE Object Data Model (Large Consumer Electronics Retailer)

II. Introduction to MDMCE Programming languages

A. Overview of MDM CE's Java API
B. Exception Handling
C. Overview of MDM CE's Scripting Language
D. Manipulating Objects
E. Installing the Workbench
F. Running code from the DocStore
G. Using a Jar to deploy custom code
H. Custom Log4J messages

III. MDMCE Programming Exercises (Use Case)

A. Understanding the Extension Points (Value Rule, Validation Rule, Enumeration Rule, Pre and Post Processing, Post Save)
B. Creating a Value Rule
C. Creating a Validation Rule
D. Creating a Preprocessing Rule
E. Imports
F. Exercise: Import Suppliers
G. Exports
H. Export for E-commerce Downstream system
I. WQL Query Language
J. WQL – Export HTML output
K. Search
L. Workflows
M. Workflow – New Product Introduction

IV. Best Practices

A. Requirements and restrictions for using Java API
B. Best practices of using Java API (Transaction management, Error handling, Logging, Testing etc)
C. common.properties setting

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