

201 Metastorm Integration Manager

8.5.1 Integration Fundamentals



Course Syllabus

Important Facts:	3 days 60% Lecture 40% Hands-on Labs
Target Audience:	Future Developers and Architects using Metastorm Integration Manager for custom integration and development
Class Objectives:	<p>After completion of this three-day course, the student will be able to apply an advanced working knowledge of Metastorm Integration Manager (MIM) tools and technologies for integrating applications and data including:</p> <ul style="list-style-type: none">• Creating custom components• Creating Process Flows• Integration with Databases• Integration with WebSphere MQ• Adding exits to Transfer Requests• Available sample exits• Working with the XMScript programming language• Working with XML data in XMScript• Accessing the Registry from programs• Writing custom exits with the XMScript• Adding custom status to exits and components
Prerequisites:	<p>This class is intended for students who will be responsible for working in a Metastorm Integration Manager environment to support integration with or without Managed File Transfer (MFT) capabilities. This is an advanced level course and students in this class should possess some familiarity with networking, programming and computer fundamentals. This class assumes the student has a working knowledge of WebSphere MQ or takes our WebSphere MQ class. Students should be reasonably familiar with:</p> <ul style="list-style-type: none">• WebSphere MQ configuration• Concepts of WebSphere MQ distributed messaging• WebSphere MQ architectural concepts• Programming with a language such as C, C++, C#, Java, Perl, Ruby or JavaScript
Topic Outline:	Day 1 <ul style="list-style-type: none">• Introduction• Components and Architecture<ul style="list-style-type: none">◦ Lab: Component Management using the Process Monitor• Managed File Transfer Overview<ul style="list-style-type: none">◦ Lab: Basic Transfer with the Process Monitor• Process Flow Overview

- Lab: The Transfer_File Process Flow
- Workbench and Registry
 - Lab: Creating a Registry Project with the Workbench
- Modeling Process Flows with ProVision
 - Lab: Working with simple workflow models
- A Quick Tour of XMScript
 - Lab: Working with Simple XMScript Programs
 - Lab: Developing XMScript Programs with the Workbench

Day 2

- XML Support in XMScript
 - Lab: Programming with XML in XMScript
- XMScript Workflow Servlet Engine (WSE)
 - Lab: Working with the XMScript WSE
- Database Object Services (DBOS)
 - Lab: Configuring and using DBOS
- Creating Activities in Workflow Models
 - Lab: Working with Activities in workflow models
- Policies and XMDirectory()
 - Lab: Working with the XMDirectory() Class in XMScripts

Day 3

- XMQ Wrapper
 - Lab: Working with the XMQ Wrapper Class in XMScripts
- Status Processing
 - Lab: Adding Status to XMScript-based Activities
- Control Flow in Workflow Models
 - Lab: Adding control flow to the PlaceOrder workflow model
- Transfer Request Exits
 - Lab: Invoking Exits
- Creating Custom Exits
 - Lab: Developing Custom Exits
- Creating Custom Status in Exits
 - Lab: Adding Status to the Exit