102/101 WebSphere MQ + Metastorm Integration Manager 8.5.1 Managed File Transfer Foundation

Course Syllabus

Important Facts:

5 days

60% Lecture

40% Hands-on Labs

Target Audience:

Future Administrators, Operation Staff, Developers and Users of Metastorm Integration Manager Managed File Transfer

Class Objectives:

After completion of this five-day course, the student will be able to apply a basic working knowledge of WebSphere MQ capabilities including:

- Concepts
- Architecture
- Creating queue managers
- Administration of queues and channels
- Diagnosing and correcting problems
- Triggering
- Remote Administration
- Multi-Hopping
- Dead Letter Queue Handler
- WebSphere MQ Clients

In addition, the student will be able to apply a working knowledge of Metastorm Integration Manager (MIM) Managed File Transfer (MFT) capabilities including:

- Concepts
- Architecture
- Planning and Installation
- Operational Management and Monitoring
- Administration
- Creation of Transfer Requests for files and WebSphere MQ queues

Prerequisites:

This class is intended for students who will be responsible for working in a Metastorm Integration Manager Managed File Transfer environment to support data movement. This is an introductory level course and students in this class should possess some familiarity with networking and computer fundamentals. No prior experience with WebSphere MQ is assumed.

Topic Outline:

Day 1

- Messaging and Queuing Concepts
- WebSphere MQ Introduction
- Basic Queue Manager Administration
  - Lab: Create a Queue Manager
- WebSphere MQ Objects
  - Lab: Create and Verify a Local Queue
- WebSphere MQ Sample Programs
  - Lab: Testing Local Queue
- Message Queue Interface (MQI)
- Application Design
- Triggering
  - Lab: Trigger Enablement
- Basic Problem Determination
  - Lab: Local Problem Determination

Day 2

- Distributed Queue Management
  - Lab: Setup and Test Channels
- Distributed Queuing Problem Determination
  - Lab: Distributed Problem Determination
- Remote Administration
  - Lab: Enabling Remote Administration
- Multi-Hopping
  - Lab: Multi-Hopping
- Queue Manager Clusters Overview
  - Lab: Clustering Demo
- Dead Letter Queue Handler
  - Lab: Setting Up a Dead Letter Queue Handler
- WebSphere MQ Clients
  - Lab : Configuring Clients

Day 3

- MIM Managed File Transfer Overview
- Architecture and Components
  - Lab: Set up for labs
- Planning and Installation
  - Lab: Installing Metastorm Integration Manager
- Node and Service Management
  - Lab: Managing Components
- Basic Transfer Requests
  - Lab: Basic Transfer Requests
- Managing Transfer Requests with the Process Monitor
  - Lab: Using the Process Monitor for Transfers
- Using Process Auditor to Monitor Transfer Status
  - Lab: Working with the Process Auditor

Day 4

- Problem Determination
  - Lab: Diagnosing and Correcting Problems
- Transferring Files with Other Platforms
- Destination Lists and Request Groups
  - Lab: Working with Destination Lists and Request Groups
- Advanced Transfer Request Options
  - Lab: Executing Stored Requests via the Command Line
- Directory Monitoring
  - Lab: Setting Up Directory Monitoring
- UNIX Administration Overview (optional)
- File-to-Message (F2M) and Message-to-File (M2F) Transfer Requests
  - Lab: Working with F2M and M2F Transfer Requests

Day 5

- Configuring Node Topologies
  - Lab: Creating Node Topologies
- Process Monitor Access Control
  - Lab: Working with Access Control
- z/OS Administration Overview (optional)
- Registry and Workbench
  - Lab: Manipulating the Registry with the Workbench
- i5/OS Administration Overview (optional)
- Client Support
  - Lab: Configuring MIM Client Nodes
- Transfer Request Security