

103 WebSphere MQ Introduction and Administration



Course Syllabus

Important Facts:	3 days 60% Lecture 40% Hands-on Labs
Target Audience:	Future Administrators, Operations Staff and Developers of IBM WebSphere MQ
Class Objectives:	After completion of this three-day course, the student will be able to apply a basic working knowledge of WebSphere MQ capabilities including: <ul style="list-style-type: none">• 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• Queue Manager Clusters• Advanced Troubleshooting• Instrumentation Events• Capacity Planning
Prerequisites:	This class is intended for students who will be responsible for working in a WebSphere MQ environment to support Metastorm Integration Manager. 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 on the part of the student is assumed.
Topic Outline:	Day 1 <ul style="list-style-type: none">▪ Messaging and Queuing Concepts▪ WebSphere MQ Introduction▪ Basic Queue Manager Administration<ul style="list-style-type: none">○ Lab: Create a Queue Manager▪ WebSphere MQ Objects<ul style="list-style-type: none">○ Lab: Create and Verify a Local Queue▪ WebSphere MQ Sample Programs<ul style="list-style-type: none">○ 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

- Managing Channels
- Unit of Work Support
- Queue Manager Cluster Administration
 - Lab: Setting Up and Managing Clusters
- Recovery and Log Management
 - Lab : Recovery (Optional)
- Advanced Troubleshooting
 - Lab: Running an MQ Trace
- Instrumentation Events
 - Lab: Enabling Events
- Security
- Channel and API Exits
 - Lab: Channel Exit Demo
- Capacity Planning and Performance Tuning

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