

# WebSphere MQ Application Programming & Design for Distributed Systems (Java)

WT1227

This course is using the standard MQ programming course material (Procedural WT1044 or Java WT1055) with additional advanced programming techniques and design topics. Additional topics include JMS concepts, Point-to-Point design, Publish-Subscribe design and Messaging Architecture topics.

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## Audience

- This course is designed for procedural and OO developers responsible for integrating various systems using WebSphere MQ on distributed platforms

## Prerequisites

- WT1043 Technical Introduction to WebSphere MQ
- Programming experience using C, COBOL, or OO languages on distributed platforms

## Course Length

- Four days

## Course Objectives

- Entry level administration skills
- Describe and use the MQI calls
- Design and write programs to use MQI calls in the distributed platforms environment
- Explain the differences in program design necessitated by the messaging and queuing paradigm
- Understand, in detail, the different MQ functions
- Explain the differences in MQI across the different WebSphere MQ platforms

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## Course Outline

WAF5

- **Preparing and writing MQSeries application programs**
- **Basic MQI calls**
- **Triggering**
- **Message Properties**
- **Data conversion**
- **Coordination of units of work**
- **Minor MQI calls**
- **Message groups and Segmented Messages**
- **Distribution Lists**
- **MQ Security**
- **JMS Programming concepts**
- **Messaging Architecture topics**