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Course Code: WM514G

Course Title: Developing Applications for IBM MQ V9.2 with JMS

### **Description:**

This course is intended to teach the skills that are needed to create a JMS 2.0 application to interface with IBM MQ queue managers.

For information about other related courses, see the IBM Training website:

[ibm.com/training](http://ibm.com/training)

### **Objectives:**

- Describe and identify IBM MQ features and components
- Configure IBM MQ for a development environment
- Test IBM MQ using sample programs
- Understand development options in IBM MQ
- Implement the JMS 2.0 API for IBM MQ
- Use JMS to connect to a queue manager
- Send and receive a message in JMS
- Publish and subscribe to a topic
- Understand all JMS message types
- Explain the purpose of allowlisting
- Increase security with allowlist in enforcement mode
- Explore data in the message body
- Use a transaction in JMS to IBM MQ
- Send messages asynchronously
- Describe Transport Layer Security in IBM MQ
- Explore the IBM MQ development patterns
- Understand REST API calls to IBM MQ

### **Prerequisites:**

Experience with JMS

### **Duration:**

24 Hrs

### **Topics:**

- Course introduction
- IBM MQ introduction
- IBM MQ configuration
- Developing in IBM MQ

- Connecting to IBM MQ
- Publish and subscribe in JMS
- IBM MQ message types
- Allowlisting in IBM MQ
- Message data
- Performing transactions
- Asynchronous messaging using JMS
- Transport Layer Security in JMS
- Development patterns for IBM MQ
- REST API in IBM MQ
- Course summary

**Audience:**

This course is intended for JMS 2.0 developers.