

# Technical Introduction to WebSphere MQ

WT1043

This course provides a technical overview of the functions and features available in the IBM WebSphere MQ product on all platforms. This course is a prerequisite for other administration and programming courses.

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## Audience

- WebSphere MQ system administrators,
- WebSphere MQ application programmers
- Technical people considering WebSphere MQ

## Prerequisites

- None

## Course Length

- One day

## Learning Objectives

- Describe the functional facilities of WebSphere MQ
- Compare messaging and queueing to other communication styles
- Understand the application programming API (MQI)
- Understand at a high level the systems management requirements
- Understand WebSphere MQ security

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## Course Outline

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### The WebSphere MQ Family

- WebSphere MQ
- WebSphere MQ Integrator
- WebSphere MQ Workflow
- WebSphere MQ Adapter
- WebSphere MQ Everywhere

### The WebSphere MQ Architecture

- Traditional application communications
- Messaging architecture
- A logical view of WebSphere MQ
- MQ components

### The WebSphere MQ API

- Completion codes
- Message queuing interface
  - MQCONN
  - MQCONNX
  - MQDISC
  - MQOPEN
  - MQCLOSE
  - MQPUT
  - MQPUT1
  - MQGET
  - MQINQ
  - MQSET
  - MQBEGIN
  - MQCMIT
  - MQBACK
  - MQSYNC

### WebSphere MQ Security

- Access control
- Channel security
- Message level security

### WebSphere MQ Administration

- Creating a queue manager
- Starting a queue
- Stopping a queue
- Deleting a queue manager
- Displaying queues
- Running MQS commands - the runmqsc command

### Messaging Architecture

- The messaging paradigm
- Point-to-point architecture
- Publish and subscribe architecture
- Hub and spoke architecture
- Sample growth of an enterprise
- Deployment considerations