

Training: IBM
IBM MQ System Administration (using Windows for labs)



TRAINING GOALS:

This course is also available as self-paced virtual (e-learning) course *IBM MQ V9.1 System Administration* (ZM156G). This option does not require any travel.

This course teaches you how to customize, operate, administer, and monitor IBM MQ on-premises on distributed operating systems. The course covers configuration, day-to-day administration, problem recovery, security management, and performance monitoring. In addition to the instructor-led lectures, the hands-on exercises provide practical experience with distributed queuing, working with MQ clients, and implementing clusters, publish/subscribe messaging. You also learn how to implement authorization, authentication, and encryption, and you learn how to monitor performance.

Note: This course does not cover any of the features of MQ for z/OS or MQ for IBM i.

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

ibm.com/training

After completing this course, you should be able to:

- Describe the IBM MQ deployment options
- Create and manage queue managers, queues, and channels
- Use the IBM MQ sample programs and utilities to test the IBM MQ network
- Configure distributed queuing
- Configure MQ client connections to a queue manager
- Define and administer a queue manager cluster
- Administer Java Message Service (JMS) in MQ
- Implement basic queue manager restart and recovery procedures
- Use IBM MQ troubleshooting tools to identify the cause of a problem in the IBM MQ network
- Manage IBM MQ security
- Monitor the activities and performance of an IBM MQ system

This course is designed for technical professionals who require the skills to administer IBM MQ.

CONSPECT:

Introducing IBM MQ

Exercise: Getting started with IBM MQ

Working with IBM MQ administration tools

Exercise: Working with IBM MQ administration tools

Configuring distributed queuing

Exercise: Implementing distributed queuing

Managing clients and client connections

Exercise: Connecting an IBM MQ client

Advanced IBM MQ client features

Working with queue manager clusters

Exercise: Implementing a basic cluster

Publish/subscribe messaging

Exercise: Configuring publish/subscribe message queuing

Implementing basic security in IBM MQ

Exercise: Controlling access to IBM MQ

Securing IBM MQ channels with TLS

Exercise: Securing channels with TLS

Authenticating channels and connections

Exercise: Implementing connection authentication

Supporting JMS with IBM MQ

Diagnosing problems

Exercise: Running an IBM MQ trace

Backing up and restoring IBM MQ messages and object definitions

Exercise: Using a media image to restore a queue

Exercise: Backing up and restoring IBM MQ object definitions

High availability

Monitoring and configuring IBM MQ for performance

Exercise: Monitoring IBM MQ for performance

Exercise: Monitoring resources with the IBM MQ Console

REQUIREMENTS:

- Basic knowledge of IBM MQ concepts and features
- Some knowledge of TCP/IP configuration
- Basic experience with Windows 2016 system administration

Difficulty level

