

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



## TRAINING GOALS:

This course provides technical professionals with the skills that are needed to administer IBM MQ queue managers on distributed operating systems and in the Cloud. In addition to the instructor-led lectures, you participate in hands-on lab exercises that are designed to reinforce lecture content. The lab exercises use IBM MQ V9.0, giving you practical experience with tasks such as handling queue recovery, implementing security, and problem determination.

**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:

<http://www.ibm.com/training>

- Describe the IBM MQ deployment options
- Plan for the implementation of IBM MQ on-premises or in the Cloud
- Use IBM MQ commands and the IBM MQ Explorer to create and manage queue managers, queues, and channels
- Use the IBM MQ sample programs and utilities to test the IBM MQ network
- Enable a queue manager to exchange messages with another queue manager
- Configure client connections to a queue manager
- Use a trigger message and a trigger monitor to start an application to process messages
- 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
- Plan for and implement basic IBM MQ security features
- Use accounting and statistics messages to monitor the activities of an IBM MQ system
- Define and administer a simple queue manager cluster

This course is designed for technical professionals who require the skills to administer IBM MQ queue managers on distributed operating systems, in the Cloud, or on the IBM MQ Appliance.

## CONSPECT:

Course introduction  
IBM MQ review

IBM MQ installation and deployment options  
Creating a queue manager and queues  
Exercise: Using commands to create a queue manager and queues  
Introduction to IBM MQ Explorer  
Exercise: Using IBM MQ Explorer to create queue managers and queues  
Testing the IBM MQ implementation  
Exercise: Using IBM MQ sample programs to test the configuration  
Implementing distributed queuing  
Exercise: Connecting queue managers  
IBM MQ clients  
Exercise: Connecting an IBM MQ client  
Implementing trigger messages and monitors  
Exercise: Implementing a trigger monitor  
Diagnosing problems  
Exercise: Running an IBM MQ trace  
Implementing basic security in IBM MQ  
Exercise: Controlling access to IBM MQ  
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  
Introduction to queue manager clusters  
Exercise: Implementing a basic cluster  
Monitoring and configuring IBM MQ for performance  
Exercise: Monitoring IBM MQ for performance  
Course summary

## REQUIREMENTS:

- Basic knowledge of IBM MQ V9 concepts and features, obtained either through experience or by successfully completing Technical Introduction to IBM MQ (WM103G) or Technical Introduction to IBM MQ (ZM103G)
- Ability to invoke standard functions within the operating system that is used in the lab exercises
- Some knowledge of TCP/IP configuration

## Difficulty level

