

IBM MQ V9.1 System Administration (5 Days)

Description

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.

Audience

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

Prerequisites

You should have:

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

Skills Taught

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

Course Outline

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

This course is also available as self-paced virtual (e-learning) course *IBM MQ V9.1 System Administration* (ZM156G).