

IBM MQ V9.1 System Administration (using Windows for labs)

Duration: 5 Days **Course Code:** WM156G **Delivery Method:** Virtual Learning

Overview:

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.

Virtual Learning

This interactive training can be taken from any location, your office or home and is delivered by a trainer. This training does not have any delegates in the class with the instructor, since all delegates are virtually connected. Virtual delegates do not travel to this course, Global Knowledge will send you all the information needed before the start of the course and you can test the logins.

Target Audience:

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

Objectives:

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

Prerequisites:

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

Content:

Introducing IBM MQ	Exercise: Implementing a basic cluster	Diagnosing problems
Exercise: Getting started with IBM MQ	Publish/subscribe messaging	Exercise: Running an IBM MQ trace
Working with IBM MQ administration tools	Exercise: Configuring publish/subscribe message queuing	Backing up and restoring IBM MQ messages and object definitions
Exercise: Working with IBM MQ administration tools	Implementing basic security in IBM MQ	Exercise: Using a media image to restore a queue
Configuring distributed queuing	Exercise: Controlling access to IBM MQ	Exercise: Backing up and restoring IBM MQ object definitions
Exercise: Implementing distributed queuing	Securing IBM MQ channels with TLS	High availability
Managing clients and client connections	Exercise: Securing channels with TLS	Monitoring and configuring IBM MQ for performance
Exercise: Connecting an IBM MQ client	Authenticating channels and connections	Exercise: Monitoring IBM MQ for performance
Advanced IBM MQ client features	Exercise: Implementing connection authentication	Exercise: Monitoring resources with the IBM MQ Console
Working with queue manager clusters	Supporting JMS with IBM MQ	

Further Information:

For More information, or to book your course, please call us on 00 971 4 446 4987

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