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## IBM MQ V9 System Administration (using Windows for labs)

**Duration: 30 Days**    **Course Code: WM153G**    **Delivery Method: e-Learning**

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### Overview:

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.

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### Target Audience:

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.

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### Objectives:

- After completing this course, you should be able to:
  - 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
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### Prerequisites:

- 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
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## Content:

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

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## Further Information:

For More information, or to book your course, please call us on 0800/84.009

[info@globalknowledge.be](mailto:info@globalknowledge.be)

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