Enterprise Computing Solutions - Education Services

TRAINING OFFERING

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

CODE:	LENGTH:	PRICE:
WM156G	40 Hours (5 days)	£3,250.00

Description

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.

Objectives

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

Audience

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

Prerequisites

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

Programme

- 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

Session Dates

Date	Location	Time Zone	Language	Type	Guaranteed	PRICE
13 May 2024	Virtual Classroom	BST	English	Instructor Led Online	Yes	£3,250.00
26 Aug 2024	Virtual Classroom	BST	English	Instructor Led Online	Yes	£3,250.00

Additional Information

This training is also available as onsite training. Please contact us to find out more.