IBM MQ V9 System Administration (using Windows for labs)

Price	Duration	Delivery Methods
$3,280.00	5 Days	VILT, Private Group

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.

Who Should Attend

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

Course Objectives

- 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

Agenda

1 - 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