Enterprise Computing Solutions - Education Services

TRAINING OFFERING

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IBM MQ V9 Advanced System Administration (Distributed)

CODE:	LENGTH:	PRICE:
ZM213G	32 Hours	$1,595.00

Description

This self-paced course with hands-on exercises is also available as classroom course IBM MQ V9 Advanced System Administration (Distributed) (WM213G).
This course expands the basic skill sets that are developed in courses WM103/ZM103, Technical Introduction to IBM MQ, and WM153/ZM153, IBM MQ V9 System Administration (using Windows for labs) or WM154, IBM MQ V9 System Administration (using Linux for labs).
The course focuses on advanced features of IBM MQ, such as implementing workload management by using a queue manager cluster, and authenticating connections, channels, and users. It also covers securing channels with Transport Layer Security (TLS), advanced client connection features, event and message monitoring, and publish/subscribe administration.
In addition to the instructor-led lectures, you participate in hands-on lab exercises that reinforce lecture content. The lab exercises give you practical experience with tasks such as implementing security, configuring workload management for a queue manager cluster, and advanced troubleshooting techniques.
Completing this course can also help you prepare for the appropriate IBM MQ Administrator certifications.

Objectives

- Use conversation sharing, read-ahead, and asynchronous put to improve the performance of MQI client connections
- Use Transport Layer Security (TLS) to secure TCP/IP channels
- Authenticate IBM MQ channels, connections, and users
- Manage the workload in an IBM MQ queue manager cluster
- Implement IBM MQ high availability
- Monitor application activity, events, and messages
- Use the IBM MQ dead-letter queue message handler to manage a dead-letter queue
- Administer distributed publish/subscribe networks
- Use the IBM MQ Console to administer IBM MQ objects and resource usage
- Administer Java Message Service (JMS) in MQ

Exercises

- Exercise 1: Securing channels with TLS
- Exercise 2: Implementing connection authentication
- Exercise 3: Implementing workload management in a cluster
- Exercise 4: Tracing message routes
- Exercise 5: Handling messages on the dead-letter queue
- Exercise 6: Configuring distributed publish/subscribe
- Exercise 7: Getting started with the IBM MQ Console

Audience

This advanced skills course is designed for technical professionals who require advanced administrator skills for IBM MQ on distributed operating systems, or who provide support to others who administer IBM MQ.

Prerequisites

Before taking this course, you should possess the skills that are required to complete basic IBM MQ system administration tasks in a distributed environment. You can obtain these skills through practical experience or by successfully completing one of the IBM MQ V9 system administration courses for distributed operating systems:

- IBM MQ V9 System Administration (using Windows for labs) (WM153G)
- IBM MQ V9 System Administration (using Windows for labs) (ZM153G)
- IBM MQ V9 System Administration (using Linux for labs) (WM154G)

Programme

- Course introduction
- Managing clients and client connections
- Securing IBM MQ channels with TLS
- Exercise: Securing channels with TLS
- Authenticating channels and connections
- Exercise: Implementing connection authentication
- Implementing workload management in an IBM MQ cluster
- Exercise: Implementing workload management in a cluster
- More troubleshooting tools and techniques
- Exercise: Tracing message routes
- Exercise: Handling messages on the dead-letter queue
- High availabilityIntroduction to distributed publish/subscribe
- Exercise: Configuring distributed publish/subscribe
- Supporting JMS with IBM MQ
- Introduction to the IBM MQ Console
- Exercise: Getting started with the IBM MQ Console
- Course summary

Session Dates

Date	Location	Time Zone	Language	Type	Guaranteed	PRICE
17 Apr 2023			English	Self Paced Training		$1,200.00

Additional Information

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