IBM MQ V9 ADVANCED SYSTEM ADMINISTRATION (DISTRIBUTED)

Course Code: 6507

Expand your skill set by focusing on the advanced features of IBM MQ in this course.

The course focuses on the 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, 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.

What You'll Learn

- 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

Who Needs to Attend

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

Prerequisites

Before taking this course, you should possess the skills 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](WM153G))
- *IBM MQ V9 System Administration (using Linux for labs)* ([WM154G](WM154G))

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CLASSROOM LIVE	$3,800 USD	4 Day

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VIRTUAL CLASSROOM LIVE	$3,800 USD	4 Day

Virtual Classroom Live Outline

- 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 Availability
- Introduction 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

Virtual Classroom Live Labs

Hands-on Labs

Oct 6 - 9, 2025 | 9:30 AM - 5:30 PM EST

Dec 1 - 4, 2025 | 9:30 AM - 5:30 PM EST

IBM MQ V9 ADVANCED SYSTEM ADMINISTRATION (DISTRIBUTED)

Course Code: 6507

ON-DEMAND	$1,820 USD

On-Demand Outline

- 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 Availability
- Introduction to Distributed Publish/Subscribe
- Exercise: Configuring Distributed Publish/Subscribe
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On-Demand Labs

Hands-on Labs

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PRIVATE GROUP TRAINING	4 Day

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