

MQ SERIES ADMIN

COURSE CURRICULUM | COURSE CODE C026

10

MODULES

20 hrs

TOTAL INSTRUCTION

EVILT

DELIVERY METHOD

Conceptual MQSeries
knowledge

PREREQUISITES

MQ SERIES ADMINISTRATION CURRICULUM

MODULES 1 – 5

MODULE

1

IBM MQ Overview

Topic 1

- What is IBM MQ?
- History of MQ
- Introduction to MQ
- IBM MQ License information
- IBM MQ release type and versioning

MODULE

2

IBM MQ Objects

Topic 2

- Queue Manager Object
- Queues & Types of Queue object

MODULE

3

IBM MQ Objects

Topic 3

- Channels & Types of channel
- MQI calls
- Listeners
- Process Definition & Name list
- Naming Convention of MQ Objects

MODULE

4

Distributed
Queueing

Topic 4

- Distributed Queuing Components
- What is Message
- Types of messages

MODULE

5

IBM MQ Publisher /
Subscriber Basics

Topic 5

- IBM MQ PUB-SUB Introduction
- PUB-SUB Messaging Model Explanation

MQ SERIES ADMINISTRATION CURRICULUM

MODULES 6 – 10

MODULE

6

IBM MQ Security

Topic 6

- Introduction to IBM MQ Security
- SSL Implementation using Cryptographic algorithms
- Configure SSL between channels
- Validation of SSL channels
- Troubleshooting MQ SSL issues
- Channel Authentication (CHLAUTH)
- Configure Channel authentication Rules
- Connection Authentication (CONNAUTH)
- Channel Authorization (MQAUTH)
- Channel Authentication Flow

MODULE

7

Administration of IBM MQ

Topic 7

- IBM MQ Administration for Queue Managers and related objects
- MQ Administration using different command line tools (Control, MQSC)
- IBM MQ Utilities

MODULE

8

Administration of IBM MQ

Topic 8

- IBM MQ Triggering
- Dead-Letter Queue (DLQ) handling
- Backout Queue (BOQ) Handling

MODULE

9

Administration of IBM MQ

Topic 9

- IBM MQ Backup / Restore
- Troubleshooting & Problem Determination in MQ

MODULE

10

Advanced Topics Overview

Topic 10

- Queue sharing group
- Coupling Facility Structure
- SMDS
- Cluster
- MQ Cluster and its Benefits
- Cluster Repository
- Cluster Channels
- Cluster Queues

COURSE DETAILS

Course Overview

The course provides a foundation for further MQ training and is a prerequisite for our more advanced classes of MQ Application Programming and MQ Administration.

Course Activities

- List the main options to be considered when designing a message queuing application
- Prepare and run MQSeries programs on the chosen platform
- Establish connections to MQSeries queue managers
- Open predefined and dynamic queues
- Pass data between MQSeries programs using queues
- Pass reply messages, confirmation messages and exception messages, and correlate them with the request messages
- Debug MQSeries programs
- Navigate the MQSeries documentation

Target Audience

1. Mainframe Engineers working in CICS Admin
2. Mainframe Admin Engineers working on Middleware
3. Admin Engineers who are new to MQ Administration

Delivery Method

Ez-Learn Virtual Instructor Led Training (EVILT)

Course Duration

20 Hrs

Prerequisites

The participant should have a conceptual knowledge of MQSeries, such as might be gained in the Introduction to MQSeries class, and skills in the language and programming environment he or she will use for writing MQSeries applications.

Recommended Training

Batch of 5-7 students

MQ Series Learning Path

<https://www.ez-learn.global/>