

COURSE ABSTRACT

Course Code

- C026

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 TRAININGS

- Batch of 5-7 students

MQ Series

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.

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

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

MQ Series -LEARNING PATH

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

Course Modules

Program coverage		
SL.No	Topics	Modules
1	IBM MQ Overview	• What is IBM MQ? • History of MQ • Introduction to MQ • IBM MQ License information • IBM MQ release type and versioning
2	IBM MQ Objects	• Queue Manager Object • Queues & Types of Queue object
3	IBM MQ Objects	• Channels & Types of channel • MQI calls • Listeners • Process Definition & Name list • Naming Convention of MQ Objects
4	Distributed queueing	• Distributed Queuing Components • What is Message • Types of messages

5	IBM MQ Publisher/Subscriber Basics	• IBM MQ PUB-SUB Introduction • PUB-SUB Messaging Model Explanation
6	IBM MQ Security	• 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
7	Administration of IBM MQ	• IBM MQ Administration for Queue Managers and related objects • MQ Administration using different command line tools(Control, MQSC) • IBM MQ Utilities
8	Administration of IBM MQ	• IBM MQ Triggering • Dead-Letter Queue (DLQ) handling • Backout Queue (BOQ) Handling
9	Administration of IBM MQ	• IBM_MQ_Backup_Restore • Troubleshooting & Problem Determination in MQ
10	Advance topics overview	• Queue sharing group • Coupling Facility Structure • SMDS • Cluster • MQ Cluster and its Benefits • Cluster Repository • Cluster Channels • Cluster Queues