

## **Introduction to message queues**

- Types of MQ Messages
- Client and Server Platforms
- MQ Objects
- Discussion on the Importance of Queue Manager
- Classification of Queues
- Process Definition
- Classification of Channels
- Message Channel Agent
- Message Queue Interface
- Introduction to MQEXPLORER
- Creating a Queue Manager
- Creating a Queue
- Sending a message to your local Queue
- To View what is on a queue
- Browsing a message to a local queue for MQMD
- Discussion on Default objects

## **MQI**

- Identify features of the message queue interface
- Identify features of the MQCONN and MQCONNX calls used to connect to a queue manager
- Features of the MQOPEN and MQCLOSE calls
- Match message descriptor fields with their description
- Features of the MQPUT and MQPUT1 calls
- Features of the MQGET call.
- Features of the MQBEGIN, MQCMT and MQBACK calls.
- Features of a distribution list.

## **Triggering**

- Every
- First
- Depth
- None
- Trigger Requirements
- Setting a Trigger
- Initiation queue
- Trigger Monitor
- Triggered Process
- The arrival of a message
- Channel Triggering

## Distributed Queuing

- Sending a message to a Remote Queue
- Creating a Transmission queue
- Creating a Remote queue
- Creating a Listener
- Creating a Sender/Receiver Channel
- Creating a Server/Requester Channel
- Discussion on the Stages of the channel.
- Troubleshooting the issues related to Channels

## Administration commands

- Control Commands
- MQSeries Commands(MQSC)
- Defining an Alias Queue
- Defining a Model Queue
- Modifying an Existing Queue Properties via command mode
- Modifying the QM properties via command mode
- Remove all Messages from a Queue
- Deleting a Queue
- Channel Commands
- Listener Commands

## Security

- Introduction
- Access Control
- Secure Sockets Layer
- Obtaining a Certificate
- Installing the Certificate
- Discussion on Authentication Mechanism
- Enabling Message level Security

## Troubleshooting

- Creating Persistent/Non Persistent Messages
- Types Of Logging
- Checking the Logging Information
- Dead Letter Queue Implementation

## Backup & Recovery

- Taking the backup of configuration
- Restoring the Configuration

## Clustering

- Clusters
- Full Repository
- Partial Repository
- Cluster Sender And Receiver Channels
- Cluster Definitions
- Refresh Cluster
- Workload balancing
- Various Cluster Commands
- Failover Capability
- Resource Sharing