

WMQ01 IBM MQ Introduction

Course description *This course is designed to provide a generic introduction to IBM MQ, and is applicable to all operating platforms. It discusses the objectives of IBM MQ, and how, by the use of its messaging and queuing services, manages to achieve those objectives.*

This course includes much of the subject material covered in the other IBM MQ courses, but is delivered at a much higher level and in less detail.

Who Should Attend Anyone requiring a technical introduction to IBM MQ

Pre-Requisites No previous IBM MQ knowledge is presumed, but a general familiarity with I.T systems and principles within your native operating platform(s) is assumed.

Duration 1 Day

IBM MQ Introduction

Pgm-to-pgm comms
Supported environments
Supported languages
The synchronous model
The asynchronous model
Time independence
Parallel processing
Distributed systems
Queue managers
Queue types
Messages
The MQI
Assured msg delivery
Once only msg delivery
Program independence
Network "Decoupling"

The Message Queuing Interface (MQI) Overview

The common interface
MQCONN(x) / MQDISC
MQOPEN / MQCLOSE
MQPUT / MQGET
MQPUT1
MQCMIT
MQBACK
MQBEGIN
MQINQ
MQSET

System Administration

Installation
Administration interfaces
Queue Locals
Queue Remotes
Queue Alias's
Queue Models
Dynamic queues
Message types
Message structure
Message persistence
Message/Correlation Id's
Message priority
Message delivery sequence
Logging & recovery

Distributed Processing & Intercommunication

Why distributed ?
Same platform
Different platforms
Network topologies
Multi "Hopping"
Channels
Local / Remote queues
Transmission queue(s)
Dead Letter Queue
Clustering

Security

Security objectives
The OAM / RACF
Protected resources
MQI security
Command security
Local security
Distributed security
Message context
Secure Sockets Layer

Integrity & Concurrency

Local Units of Work
Global Units of Work
Syncpoint control
Commit / Rollback
Resource managers
Syncpoint co-ordination

Interfacing With Other Systems

CICS interfaces
IMS interfaces

The IBM MQ Family

Supported platforms
Supported languages