WMQ15 IBM MQ System Administration

Course description This course intended for personnel who will be responsible for installing, operating, administering and supporting *IBM MQ* systems and applications relating to those systems on *non* z/OS platforms (Windows, Unix etc.).

Who Should Attend Technical personnel such as systems administrators, operations analysts, operators and anyone else who may be responsible for providing day-to-day support of *IBM MQ* on *non* z/OS platforms.

Pre-Requisites A familiarity with *IBM MQ*, such a that gained by attending WMQ01 or a similar background.

For students who have not completed WMQ01, the first session can be extended. Ask for details.

Duration 3 Days

IBM MQ Review

Pgm-to-pgm comms
Operating platforms
Supported languages
Synchronous models
Asynchronous models
Time independence
Parallel processing
Distributed systems
The MQI
Assured delivery
Once only delivery
Pgm independence
Network *"decoupling"*
Queue managers
Queues
Messages

Installation & Configuration

The install process
Create QMGR
Delete QMGR
Start QMGR
End QMGR
Admin interfaces
Eclipse Workbench
Control commands
MQSC commands
Sample programs

Single System Administration

Queue types
Local queues
Alias queues
Model queues
Dynamic queues
Message types
Message structure
Message persistence
Msg/Correl id's
Message priority
Message delivery seq.

The MQI & Triggering

MQCONN
MQDISC
MQOPEN
MQCLOSE
MQPUT
MQGET
MQPUT1
MQBEGIN
MQBACK
MQCMIT
MQINQ
MQSET
Triggering overview
Trigger parameters
Trigger events
The initiation queue
The trigger message
The Process
Trigger monitors
Triggering problems

Intercommunication

DQM components
Queues Remotes
Transmission queues
Q name resolution
Dead letter queue
Channels / MCA types
Assured msg delivery
Start / Stop channels
The Channel initiator
WMQ Listeners
Multi hopping
QMGR aliases
Data conversion
Channel compression

Clusters
Cluster objects
Cluster channels
Repositories
Workload balancing
Queue replication

Integrity, Restart & Recovery

Units of work
Syncpoint control
Transaction control
Co-ordination
Message persistence
System restart
Logging
Backup & Recovery
Media recovery

Security

Access control
The OAM
Application oriented
Message contexts
Security commands
SSL

Troubleshooting

Event generation
The DLQ
The DLQ handler

IBM MQ Clients

Why clients
MQI channels
Configuration
Environ variables
Client channel table