WMQ31 IBM MQ For z/OS Advanced System Administration

Course description This course teaches advanced skills required by *IBM MQ* administrators on z/OS platforms. It pays particular attention to channels, clustering and Queue Sharing Groups.

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

Pre-Requisites This course follows on from the *IBM MQ* administration course WMQ20, and candidates should have either attended it, or gained equivalent knowledge.

Duration 3 Days

Managing Message Channels Effectively

MCA Roles
Starting & Stopping
LUW id's
Sequence numbers
Synchronisation queues
Channel states
Re-synchronising a channel
The channel initiator
The listener
Heartbeat flows
Separate message flows
Reply-to-queues
Dead letter queues

Managing Channel Security

Client security
MQCONN
MQGET
MQPUT
Security exits
Message exits
Context security

Clusters

Cluster advantages
Setting up the cluster
Cluster channels
Cluster objects
Cluster commands
Queue replication
Workload balancing
Fail-over

Performance & Tuning

Types of applications
Message size
Message persistence
Dynamic queues
Buffer pool sizing
Page set sizing
Logging
Triggering
Batch sizes
Channel parameters

Queue Sharing Groups

Shared queues
Sysplex components
QSG benefits
Setting up a QSG
IBM MQ & DB2
The coupling facility
QSG security
QSG administration
Shared channels

Troubleshooting

Instrumentation events
Channel events
Queue manager events
Performance events
Admin events
Command events
Service interval events
Queue depth events
Handling event messages
Accounting trace
Statistics trace
The integrated trace formatter