WMQ25 IBM MQ – Clustering (Updated for Version 6)

Course description Whilst previous *IBM MQ* classes discuss clustering in overview, this course covers the *detail* required to design, migrate, maintain and support *IBM MQ* systems in a clustering environment.

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

Pre-Requisites This cross platform course requires the general *IBM MQ* administration skills attained by attending either WMQ15 or WMQ20 as appropriate, or to have gained equivalent the knowledge.

Duration 3 Days

IBM MQ Clusters Introduction

Why Clustering ?
Clustering components
Clustering benefits
Clustering disadvantages
Topology alternatives
Repositories
Creating new clusters
Migrating to clusters

IBM MQ Cluster Administration

Defining the full repositories
Defining the partial repositories
Defining the pre-defined channels
Auto-defined channels
Defining the queue(s)
Defining single queue occurrences
Defining multiple queue occurrences
Queue manager affinity
Workload balancing
Influencing workload balancing
Fail-over benefits

Cluster related commands
Joining a cluster
Leaving a cluster
Migrating repositories

IBM MQ Cluster Debugging

Typical cluster related problems
DISPLAY QCLUSTER detail
DISPLAY CLUSQMGR detail
amqrfdm utility
Querying the repositories

IBM MQ Basic Cluster Design

How many full repositories ?
Where to position them
Topology considerations
Naming conventions
Workload considerations
Failover consideration
Scalability
Message affinities

IBM MQ Advanced Cluster Design

Overlapping clusters
Isolating data
Integrating data
Cluster “gateways”
Security considerations