WMQ34   IBM MQ For z/OS – Queue Sharing Facilities

Course description   This course teaches the skills required to implement Queue Sharing Facilities on *IBM MQ for z/OS*. It contains both theory and lab sessions.

Who Should Attend   Technical personnel such as WMQ administrators, systems programmers and anyone else who may be responsible for implementing Queue Sharing facilities on *IBM MQ For z/OS*.

Pre-Requisites   This course is intended for experienced *IBM MQ for z/OS* personnel, and assumes at least the level of background achieved by attending the course WMQ20 or similar.

Duration   1 Day

Queue Sharing Introduction

Review of WMQ clustering limitations
Review of z/OS Parallel Sysplex technology
What is a Shared Queue ?
Queue Sharing Groups
Shared Queue benefits
Shared Queue limitations
Peer Recovery
Intra Group Queuing
Shared Channel Introduction
QSG security

Setting Up a Queue Sharing Group

The basic steps introduced
Setting up the DB2 environment
Setting up the Coupling Facility
Defining the QSG entries to DB2
The ZPARM module
Verifying the QSG – DISPLAY GROUP
z/OS XCF commands
Defining Shared Queues
QSGDISP keyword
CMDSCOPE keyword

Backup and Recovery

Backing up CF Structures
Recovering CF Structures
Peer recovery
Log Dataset VSAM Shareoptions
CF Structure Status
ARM Queue Manager restart

Queue Sharing Groups and Communications

High channel availability

Shared outbound channels
Defining the XMIT queue
Defining SYSTEM.QSG.CHANNEL.SYNCQ
Defining the initiation queue(s)
Starting a shared outbound channel
Shared channel triggering

Shared inbound channels
Generic / Group listeners
The XPARM module
Communications setup TCP/IP
Communications setup LU62

Monitoring shared channel status