## *WMQ30* *IBM MQ Advanced System Administration*

**Course description**  This course teaches advanced skills required by *IBM MQ* administrators on *non* z/OS platforms (Windows, Unix etc.). It pays particular attention to channels and clustering.

**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**  This course follows on from the *IBM MQ* administration course WMQ15, and candidates should have either attended it, or gained equivalent knowledge.

**Duration**  3 Days

### Managing Message Channels Effectively

MCA roles
Starting & stopping channels
LUW id's
Sequence numbers
Synchronization queues
Channel states
Re-synchronising a channel
The channel initiator
The listener
Heartbeat flows
Separate message flows
Reply-to-queues
Dead letter queues
The dead letter queue handler
Implementing MQI channels (thin client)

### Managing Channel Security

Security exits
Message exits
Send/Receive exits
Context security
Application oriented security
Introduction to SSL
Implementing SSL in IBM MQ

### Performance & Tuning

Types of applications
Fast path binding
Message size
Message persistence
Logging
Dynamic queues
Triggering
Channel attributes and performance
Clusters and performance

### Clusters

Setting up the cluster
Cluster channels
Cluster objects
Cluster commands

### Events & Monitoring

Event message generation
The "event queues"
Channel events
Queue manager events
Performance events
Service timer events
Queue depth events
Accounting information
Statistics information
Handling event messages

### Utilities and SupportPacs

System management facilities
Tivoli overview
Implementing SupportPacs
Non IBM tools