

WebSphere MQ Advanced System Administration

Course Summary

Description

This course is designed to provide experienced WMQ system administrators or system programmers the knowledge to customize and support a network of MQ managers. Much emphasis is given to the connection of multiple queue managers and the control of recovery of channels. Performance items are discussed and methodology mentioned for loadtesting.

Topics

- WMQ System Structure
- Customization
- Intersystem Communication
- Operation
- Performance and Tuning
- High Availability and Restart
- Dead Letter Queue Handling
- Clustering
- Security
- Review Questions
- Hands-on Exercises

Audience

This course is designed for Experienced WMQ System Administrators and System Programmers.

Prerequisites

Students must have some experience with WMQ.

Duration

Three days

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Course Outline

- I. IBM WMQ Review**
 - A. WMQ for ESB and SOA
 - B. Message Structure
 - C. Queue Manager
 - D. Queue
 - E. Other MQ objects
 - F. Quiz 1
- II. IBM WMQ Structure**
 - A. Components of WMQ for UNIX and Windows
 - B. Operating System Interface
 - C. Relationship to Databases XA Interface
 - D. Quiz 2
- III. Distributed Communication**
 - A. Configure Channels – in Details
 - B. Monitor
 - C. Restart
 - D. Quiz 3
 - E. Exercise 1 (Create a queue manager)
- IV. MQI Channel**
 - A. MQ Client in depth
 - B. Installation
 - C. Recovery
 - D. Load Balancing
 - E. Exercise 2
- V. Monitoring**
 - A. Advance function sin MQ Explorer
 - B. Events
 - C. Statistics and Accounting Data
 - D. Exercise 3
- VI. Recovery and Restart**
 - A. Backup System Objects
 - B. Backup Application Objects
 - C. Coordination with Databases
 - D. Disaster Recovery
 - E. Exercise 4
- VII. Security**
 - A. OAM
 - B. SSL
 - C. Firewall
 - D. Application
 - E. End-to-end
- VIII. Performance and Tuning**
 - A. Setting Objectives
 - B. Clustering
 - C. Tools for load test
 - D. Statistics and Accounting Data
 - E. Exercise 5