Course Outline

IBM MQ Advanced System Administration

Course Summary

Description

This course is designed to provide experienced IBM MQ 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

- IBM MQ Review
- IBM IBM MQ Structure
- Distributed Communication
- MQI Channel
- Monitoring
- Recovery and Restart
- Security
- Performance and Tuning

Audience

This course is designed for Experienced IBM MQ System Administrators and System Programmers.

Prerequisites

Students must have some experience with IBM MQ.

Duration

Three days

Due to the nature of this material, this document refers to numerous hardware and software products by their trade names. References to other companies and their products are for informational purposes only, and all trademarks are the properties of their respective companies. It is not the intent of ProTech Professional Technical Services, Inc. to use any of these names generically

Course Outline

IBM MQ Advanced System Administration

Course Outline

I. IBM MQ Review
- A. IBM MQ for ESB and SOA
- B. Message Structure
- C. Queue Manager
- D. Queue
- E. Other MQ objects
- F. Quiz 1

II. IBM IBM MQ Structure
- A. Components of IBM MQ 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

Due to the nature of this material, this document refers to numerous hardware and software products by their trade names. References to other companies and their products are for informational purposes only, and all trademarks are the properties of their respective companies. It is not the intent of ProTech Professional Technical Services, Inc. to use any of these names generically