MQSeries Application Programming on z/OS (5 Days)

AUDIENCE:

System administrators, network professionals and advanced web developers that will be maintaining MQSeries environments

COURSE ABSTRACT:

This course will use both instructor-led discussions and hands-on workshops to demonstrate the capabilities of programming COBOL applications using IBM's MQSeries. Within this course, each student will be exposed to the following topics; the major components of an MQSeries installation (both local and remote), install the MQSeries client, develop MQSeries programs, connect to queue manager, MQI API, both read and send MQSeries messages, perform exception handling, understand the role of messaging middleware, transactions and MQ syncpoints, security in the MQ environment and MQ triggering.

COURSE OBJECTIVES:

Upon conclusion participants will have acquired these skills:

- Understand the capabilities of MQSeries and WebSphere MQ
- Depict the architecture of the MQ environment: Queue Managers, Channels, Local and Remote Queues and MQ clustering
- Design, build COBOL applications for MQSeries environment
- Connect and disconnect to MQ queue Manager
- Perform following tasks with messages; getting/putting, replies and reports and use of context variables
- Highlight the role of the MQI API for application development
- Depict the role of all MQI commands for accessing messages (MQGET/MQPUT)
- Understand the use of transactions with MQSeries
- Illustrate the process for performing data conversions
- Understand the role of triggering in MQSeries environment
- Depict the use of Message groups
- Illustrate the role of security in MQSeries environment
- Define usage of Message segmentation
- Depict the role of distribution lists
- Demonstrate the role of MQ security