

MQ Appliance 9.4: Administration

3 Days

DURATION

17

MODULES

46

TOPICS

WM605G

COURSE CODE

COURSE OVERVIEW

This course teaches you how to setup, customize, operate, administer, and monitor the IBM MQ Appliance. The course covers initial configuration and setup, administration using the command line interface and web console, security, high availability, disaster recovery, backup/restore, and monitoring. In addition to the instructor-led lectures, the hands-on exercises provide practical experience using a virtual MQ Appliance across all of the topics.

WHO THIS COURSE IS FOR

- Administrators

LEARNING OBJECTIVES

What You Will Learn

- Complete Initial setup of the appliance
- Create a queue manager
- Connect an application
- Explain the MQ Appliance command line
- Manage User access on administrative interfaces
- Create and manage certificates
- Secure the CLI using certificates
- Secure MQ traffic using certificates
- configure two appliances for HAconfigure two appliances for disaster recoveryconfigure two appliances for HA/DR
- Upgrade an MQ Appliance

17 Modules, 46 Topics

01

Day 1

TOPICS

- Introductions, agenda review, previous experience and desired outcome

02

Presentation : Introducing the MQ Appliance.

TOPICS

- Introduce and explain the benefits of the MQ Appliance
- Different models, and the hardware characteristics
- Performance characteristics
- Administrative options

03

Lab : Introducing the MQ Appliance

TOPICS

- Initial setup of the appliance
- Creating a queue manager
- Connecting an application

04

Presentation : Explain the firmware and command line interface

TOPICS

- Similarities and differences with the MQ Appliance
- MQ Appliance firmware
- Command line interface
- Scripting the CLI
- Intelligent platform management interface (IPMI)

05

Lab : MQ Appliance command line

TOPICS

- Lab : MQ Appliance command line

06

Presentation : MQ Appliance security

TOPICS

- MQ Security
- MQ Appliance Administrative security
- Encrypted disk
- Advanced Message Security (AMS)

07

Lab : Securing the MQ Appliance

TOPICS

- User access management on administrative interfaces
- Username/password configuration, including LDAP
- Creating and managing certificates
- Securing the CLI using certificates
- Securing MQ traffic using certificates

08

Day 2 Presentation : Introduce High Availability and Disaster Recovery Understanding the key three topologies:

TOPICS

- High availability (2 appliances)
- High availability with single disaster recovery appliance (2 + 1 appliances)
- High availability with resilient disaster recovery site (2 + 2 appliances)

09

Presentation : Network configuration

TOPICS

- Network devices on the appliance
- Float IP address
- Configurations for HA and DR options
- Link aggregation

10

Lab : configure two appliances for HA

TOPICS

- Lab : configure two appliances for HA

11

Lab : configure two appliances for disaster recovery

TOPICS

- Lab : configure two appliances for disaster recovery

12

Lab : configure two appliances for HA/DR

TOPICS

- Lab : configure two appliances for HA/DR

13

Day 3

TOPICS

- Day 3

14

Presentation : monitoring a MQ Appliance

TOPICS

- Monitoring the MQ Appliance
- Hardware monitoring
- Failed resources
- Queue Manager monitoring
- Log targets

15

Lab : configuring monitoring of a MQ Appliance

TOPICS

- Lab : configuring monitoring of a MQ Appliance

16

Presentation : MQ firmware and upgrades

TOPICS

- Applying firmware updates
- Backing-up the MQ Appliance
- Restoring the MQ Appliance
- Reset to factory settings
- Considerations for HA & DR

17

Lab : Upgrading an MQ appliance

TOPICS

- Lab : Upgrading an MQ appliance

WHAT IS INCLUDED

Everything You Need to Succeed

- Koenig course material for every module
- Delivery by certified instructors and subject matter experts
- Hands-on exercises throughout the course
- Course completion certificate from Koenig

ABOUT KOENIG

Who We Are

Established in 1993, Koenig Solutions is a globally recognised training provider with 35+ technology partnerships, 5,000+ training programmes and a network of certified instructors and subject matter experts, supporting individuals and enterprise teams worldwide.

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✉ info@koenig-solutions.com