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IBM WebSphere MQ V7 - Designing and Architecting Clustering Solutions
Information

Length:	4.0 Days
Ref:	WM251G-X
Delivery method:	ClassroomInstructor Led Online
Price:	EUR

Overview

An updated version of this course is available. For more information, click*Designing, Implementing, and Managing IBM MQ V8 Clusters* (WM252G).

This course is also available as self-paced virtual (e-learning) course*IBM WebSphere MQ V7: Designing and Architecting Clustering Solutions* (ZM251G). This option does not require any travel.

In this course, you will learn the intermediate skills that you need to administer an IBM WebSphere MQ clustered environment. This course is essential for anyone who is responsible for the design and administration of WebSphere MQ solutions that include WebSphere MQ clusters.

The course uses a combination of lectures and hands-on labs, starting with an overview of WebSphere MQ clustering and a lab in which you will create and test a simple queue manager cluster. The course continues by covering how to design and set up a sophisticated cluster, manage clusters, and perform full repository reassignment. You will also learn how to remove queue manager clusters and to use diagnostic tools to determine and resolve problems within a WebSphere MQ cluster.

The lab environment for this course uses the Windows XP Professional SP3 platform.

For information about other related courses, visit the IBM Training website:
<http://www.ibm.com/training>

Public

This intermediate course is designed for system designers and administrators who work with WebSphere MQ solutions that include WebSphere MQ clusters.

Prerequisites

You should have:practical experience with IBM WebSphere MQ,**and** should complete *Technical Introduction to WebSphere MQ* (WM102G).

Objective

- Explain basic WebSphere MQ cluster concepts
- Set up a simple cluster
- Use administrative commands to manage a WebSphere MQ cluster
- Describe problems that might be encountered with WebSphere MQ clusters, and the tools and techniques that are used for isolating these problems
- Explain workload management concepts
- Define marooned messages and describe alternatives for handling them
- Describe security, recovery, and failover issues that must be considered when designing a cluster, performing disaster planning, and testing
- Implement a complex WebSphere MQ cluster that includes more than three queue managers
- List the design considerations for a WebSphere MQ clustering solution, including the use of multiple overlapping clusters and techniques for dividing large organizations of systems
- Define the process of incorporating non-cluster WebSphere MQ queue managers into a cluster, including security issues that must be considered when using a gateway approach
- Describe cluster workload exits

Topics

- Course introduction
- Overview of WebSphere MQ clustering
- Exercise: Setting up a simple WebSphere MQ cluster
- WebSphere MQ cluster administration
- Exercise: Using administration commands
- WebSphere MQ cluster problem determination and resolution
- Exercise: Resolving WebSphere MQ cluster problems
- Design considerations and operations
- Exercise: Basic design
- Exercise: Implementing the basic design
- WebSphere MQ clustering advanced topics
- Exercise: Advanced design
- Exercise: Implementing the advanced design
- Exercise: Implementing security in a cluster
- Exercise: Implementing the sample cluster workload exit
- z/OS WebSphere MQ clustering advanced topics
- Course summary