Designing, Implementing, and Managing IBM MQ V9 Clusters

Kód kurzu: WM253G

This course prepares you to plan, design, configure, and administer IBM MQ clusters.After a review of IBM MQ, the course explains the similarities and differences between administration of a cluster and administration of a distributed message IBM MQ environment. You learn cluster specific commands and procedures, and explore the role of a cluster in a highly available IBM MQ infrastructure. You learn how to do a detailed verification of a new cluster configuration, review and identify all resulting components, and troubleshoot problems.You also learn about cluster administration, workload balancing, security, and use of publish/subscribe clusters. You learn how to recognize when a problem is due to connection authentication, channel authentication, or object authorizations. You also learn about design options such as overlapping clusters and use of clusters with z/OS queue sharing groups. Many of the considerations in this course are based on actual engagement experiences.

Pre koho je kurz určený

This course is designed for IBM MQ administrators, architects, application developers, and other professionals who

need to understand the design considerations, architectural role, and implementation of IBM MQ clusters.

Čo Vás naučíme

This course prepares you to plan, design, configure, and administer IBM MQ clusters.

Požadované vstupné znalosti

Before taking this course, you should have experience with IBM MQ or complete one of the following courses:
IBM MQ V9 System Administration (using Windows for labs) (WM153G)

IBM MQ V9 System Administration (using Linux for labs) (WM154G)

IBM MQ V8 System Administration for z/OS (WM302G)

You should also have working knowledge of the Windows operating system to run the lab exercises.

Študijné materiály

Príručka ku kurzu firmy IBM podľa programu kurzu.

Osnova kurzu

Describe the basic IBM MQ components

Identify which IBM MQ objects are used to impact routing in a cluster environment

Identify who in your organization can impact the health of a cluster and the need for adequate communication

Describe the correct role of a cluster in a highly available IBM MQ infrastructure

Describe the differences and similarities between administering clustered and non-clustered IBM MQ environments

Describe how to configure, verify, and troubleshoot an IBM MQ cluster

Identify the various channels that are present in a cluster environment and how each is created

Describe how to use separate transmission queues in a clustered queue manager

Explain how to remove a queue manager from a cluster on a permanent or temporary basis

Explain IBM MQ connection authentication

Explain IBM MQ channel authentication

Describe IBM MQ object authorizations

Explain how to troubleshoot security challenges in a cluster

List ways to influence workload balancing in a cluster

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Describe the history and basic components of IBM MQ publish/subscribe

Explain the considerations and details of implementing publish/subscribe in an IBM MQ clustered environment

Describe cluster design architectural considerations

Summarize the benefits of design and configuration simplicity in a cluster implementation

Explain how to configure overlapping clusters