

Course Code: ZM003GS

Course Title: IBM MQ V9 Managed File Transfer Concepts, Use, and Administration

## Description:

In this course, you learn how to configure, use, and administer IBM MQ Managed File Transfer. You work with IBM MQ connectivity and security that is critical to the correct functioning of an IBM MQ Managed File Transfer configuration in a Windows operating system. You also learn various ways to start a transfer, and learn about the protocol bridge and the V9.0.1 redistributable agent.

The course starts with an IBM MQ baseline that focuses on testing the IBM MQ infrastructure before you start the IBM MQ Managed File Transfer configuration. As you create the definitions, you learn about the directory structure that various commands create. You also learn various ways to initiate transfers.

You also learn how to extend the IBM MQ Managed File Transfer configuration by using the protocol bridge and the V9.0.1 redistributable agent. The course also incorporates the IBM MQ security mechanisms connection authentication, channel authentication, and object authorization to the definition and use of a new configuration. Most of the troubleshooting scenarios in the course content are derived from field experiences.

## Objectives:

- Summarize the IBM MQ components that affect the IBM MQ Managed File Transfer environment
- Describe basic IBM MQ connectivity checks that must take place before IBM MQ Managed File Transfer is configured
- List the queue manager roles that IBM MQ Managed File Transfer requires
- Explain the configuration commands `fteSetCoordination`, `fteSetCommands`, and `fteCreateAgent`
- Summarize how to use the `fteCreateLogger` command to create a logger to retain transfer history
- Describe the IBM MQ Managed File Transfer directory structure and where to find agent and transfer information
- Summarize steps to configure IBM MQ Managed File Transfer in the z/OS operating system
- Explain various options that can be used to initiate a file transfer
- Describe how to use the protocol bridge to exchange files between a standard agent and FTP, FTPS, or SFTP agents
- Describe how to install, configure, and use the V9.0.1 redistributable IBM MQ Managed File Transfer agent
- Describe connection authentication, channel authentication, and object authorizations
- Explain how to incorporate IBM MQ connection authentication, channel authentication, and object authorizations into the IBM MQ Managed File Transfer configuration
- Summarize how to identify and resolve IBM MQ security problems that might surface during configuration or file transfer activities
- Summarize how IBM MQ Managed File Transfer uses relative path and how the location can be modified
- Explain recovery in IBM MQ Managed File Transfer
- Describe how to set IBM MQ Managed File Transfer traces

## Prerequisites:

- Successful completion of course IBM MQ V8 System Administration (using Windows for labs) (WM207G, no longer available) or IBM MQ V8 System Administration (using Windows for labs)

(ZM207G, no longer available), or equivalent experience

- High-level understanding of an FTP server

**Duration:**

16 Hrs

**Topics:**

- Course introduction
- IBM MQ baseline
- Exercise: Working with IBM MQ connectivity
- IBM MQ Managed File Transfer components, installation, and configuration
- Exercise: Configuring IBM MQ Managed File Transfer
- Transfer initiation options
- Exercise: Transfer initiation options
- Protocol bridge and redistributable agents
- Exercise: Working with protocol bridge and redistributable agents
- IBM MQ and IBM MQ Managed File Transfer security
- Exercise: Working with IBM MQ and IBM MQ Managed File Transfer security
- Administration and troubleshooting
- Exercise: Working with administrative tasks
- Course summary

**Audience:**

This course is designed for IBM MQ administrators who need to incorporate IBM MQ Managed File Transfer skills. It also applies to application architects, application developers, and quality assurance professionals who need to work with IBM MQ Managed File Transfer.