

## CA MIM Resource Sharing Version 12.x: Administrator 200

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### Course Summary

#### Description

CA MIM Resource Sharing streamlines and automates the sharing of DASD, tape devices and console data safely and efficiently in multi-system z/OS, z/VM and z/Linux environments. This product suite enables mainframe data centers to improve productivity and throughput, as well as protect valuable information and maximize hardware investments.

In this class, we will focus on administrator tasks that will allow you to operate CA MIM Resource Sharing both safely and efficiently.

#### Objectives

After taking this course, students will be able to:

- Use the CA MIM Driver
- Use CA MIM Control File Internals and Tuning
- CA MII Data Sharing – GDIF
- CA MII Data Sharing – ECMF
- CA MIA Tape Sharing

#### Topics

- Introduction to CA MIM Resource Sharing and Its Components
- Mainframe Data Sharing History
- CA MIM Installation and Configuration
- CA MIM Cross-System Communications
- CA MIM Control File Internals and Tuning
- CA MII Data Sharing – GDIF
- CA MII Data Sharing – ECMF
- CA MIA Tape Sharing - GTAF

#### Audience

- Systems Programmers
- System Administrators
- Anyone responsible for the implementation and operation of CA MIM Resource Sharing

#### Prerequisites

- Foundational CA MIM Resource Sharing knowledge

#### Duration

Three Days

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### Course Outline

- I. **Introduction to CA MIM Resource Sharing and Its Components**
  - A. Identify CA MIM components and facilities
  - B. CA MIM Resource Sharing Product
  - C. CA MIM Driver
  - D. CA MII DASD Sharing
  - E. CA MIA Tape Device Sharing
  - F. CA MIC Data Sharing
- II. **Mainframe Data Sharing History**
  - A. Articulate the business case for sharing DASD, tape devices, and console data across mainframe systems
  - B. Identify the history of CA Technologies mainframe data sharing solutions
  - C. Identify history of IBM mainframe data sharing solutions
- III. **CA MIM Installation and Configuration**
  - A. Articulate CA MIM Installation Requirements
  - B. Execute CA MIM Configuration.
  - C. MIM JCL PROCs
  - D. MIM Parmlib Members
  - E. Recent Enhancements
  - F. Best Practices
  - G. Configuration Display Commands
- IV. **CA MIM Cross-System Communications**
  - A. Execute CA MIM Cross-System Communications
  - B. Articulate Best Practices
  - C. Identify Recent Enhancements
- V. **CA MIM Control File Internals and Tuning**
  - A. Articulate the Control File Architecture
  - B. Execute Control File Tuning
  - C. Implement Control File Access Delays
  - D. Identify Best Practices
  - E. Identify Recent Enhancements
- VI. **CA MII Data Sharing – GDIF**
  - A. Utilize z/OS System Resource Serialization
  - B. Articulate how CA MII processes ENQs and RESERVEs
  - C. Identify Best Practices
  - D. Identify Recent Enhancements
  - E. Perform Diagnostics
- VII. **CA MII Data Sharing – ECMF**
  - A. Quickly resolve ENQ conflicts
  - B. Maximize batch initiator initialization
  - C. Automatically deallocate TSO User resources that are not in use
  - D. Execute Best Practices
  - E. Perform Diagnostics
- VIII. **CA MIA Tape Sharing – GTAF**
  - A. Articulate z/OS Local Tape Device Allocation Serialization
  - B. Define Tape Devices to CA MIA for Management
  - C. Exclude Tape Devices from CA MIA Management
  - D. Dynamically Alter Tape Devices Managed by CA MIA
  - E. Articulate Global Tape Device Allocation Serialization
  - F. Execute Autopath
  - G. Articulate Global VARY ONLINE/OFFLINE Command Serialization
  - H. Execute the VARY Command DEDUPLICATION
  - I. Execute the VARY Command PURGE
  - J. Execute GTAF ASSIGN Process
  - K. Execute Global SWAP Serialization
  - L. Execute Global UNLOAD Serialization
  - M. Identify and Resolve Tape Device Allocation Delays
  - N. Display Global Tape Device States
  - O. Execute Dynamic I/O Device Configuration
  - P. Execute a Shutdown