

**CONTROL-M FOR MAINFRAME**

# Control-M for Mainframe 22: Fundamentals Scheduling

[Learning Path >](#)**Course Code: CZZO-ZOFS-F0922**

Modality	Duration	Applicable Versions	Target Audience
Instructor-led Training (ILT)	2 Days	Control-M for Mainframe 9.0.22.000	<ul style="list-style-type: none"> <li>Schedulers</li> </ul>

## Course Overview

This introductory course is designed to teach basic concepts of Control-M for z/OS, including working knowledge of Control-M, job scheduling, and an introduction to Control-M Event Manager and Control-M/Restart.

Students will learn how to access and exit the IOA Primary Menu, use basic commands and function keys, define job scheduling definition parameters, view and modify jobs contained in the active environment, define and use Calendars and resources in job scheduling definition, and learn the concept of Workload Policies as part of workload optimization to manage z/OS jobs. Students will also be introduced to the capabilities of Control-M Event Manager and Control-M/Restart.

## Prerequisites

- Control-M for Mainframe 20.x: Overview (WBT)

## Recommended Trainings

- Control-M for Mainframe 21.x: Fundamentals Operating (WBT)

## Learning Objectives

- Explain Control-M Concepts and Terminology
- Use Control-M Functionality
- Access the Control-M for z/OS Environment
- Describe the Control-M Scheduling Definition Facility
- Create Job Scheduling Definitions
- Use Calendars
- Describe SMART Tables
- Describe Online Tracking and Control Facility
- Use different commands and Options in the Active Environment screen
- Describe Prerequisite Conditions
- Describe Control resources and Quantitative resources
- Use Condition and Resource Handling Facility
- Describe Workload Policies
- Explain Workload Optimization
- Describe Control-M Event Manager
- Access the CMEM Rule Definition Facility
- Create a CMEM Rule
- Describe Control-M Restart
- List Control-M Restart Components
- Describe Control-M Restart Processes

## Course Modules

### Module 1: Introduction to Control-M for Mainframe Concepts and Functionality

- Describe:
  - Control-M
  - Jobs and Job Scheduling
  - Active Jobs File (AJF)
  - Control-M Monitor
  - New Day Processing
  - Automatic JCL Update
  - Workload Management
  - IOA Primary Options Menu
  - CMEM Rule Definition Facility
  - IOA Conditions/Resources
- Access Control-M for Mainframe Environment

### Module 2: Managing Jobs and Job Scheduling Definitions

- Create and schedule jobs
- Create and use calendars
- Create SMART tables

### Module 3: Working with the Active Environment

- Describe Online Tracking and Control Facility
- Describe Active Environment Screen
- Run
  - OPT Command
  - DISPLAY Command
  - Show Command
- Use
  - Show Screen Filter Window
  - Display Filters Window
  - Job Statistics Command
  - Active Environment Job Action Options
- Run Additional Commands

### Module 4: Working with Conditions and Resources

- Explain the pre-requisite conditions for jobs
- Explain various parameters of conditions such as runtime scheduling parameters and post-processing parameters
- Define Control Resources and use them in Job Scheduling Definition
- Define Quantitative Resources and use them in Job Scheduling Definition
- Define Manual Conditions

### Module 5: Understanding Workload Optimization

- Describe Workload Policies
- Access the Workload Management Facility
- Manage Workload Policies
- Describe:
  - Global Workloads
  - Local Workloads
  - Policy: <Policy name> screen
- Define a Load Index
- Describe:
  - Load-Indexes Definition Screen
  - Load-Index Status Screen
- Activate and deactivate a Workload Policy
- Display the Status of Active Workload Policies
- Describe Workload Optimization
- Define Mainview Alarms

### Module 6: Introduction to Control-M Event Manager

- Describe Control-M Event Manager (CMEM)
- List Types of Events Managed by CMEM
- Explain the connection between CMEM and On Spool Jobs
- Create On Spool Jobs
- Manage On Spool Jobs
- Describe CMEM Rule Definition Facility
- Access the CMEM Rule Definition Facility

### Module 7: Introduction to Control-M Restart

- State the purpose of Control-M Restart
- List Control-M Restart capabilities
- Describe Control-M Restart
- List the main components of Control-M Restart
- Describe Control-M Job Scheduling Definition
- Describe CONTROL-M Monitor
- List Control-M Restart parameter members
- Describe CONTROL-R Step
- Describe Control-M Active Environment screen
- Name Control-M Restart online utilities
- Describe Reporting Facility
- Restart parameters in a Job Scheduling definition
- Describe Control-M Restart process

#### Discount Options

Have multiple students? Contact us to discuss hosting a private class for your organization.

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