CONTROL-M FOR MAINFRAME

Control-M for Mainframe 21.x: Fundamentals Scheduling

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Course Code: CZZO-ZOFS-F0921

Modality	Duration	Applicable Versions	Target Audience
Instructor-led Training (ILT)	2 Days	Control-M for Mainframe 9.0.21.200	• Batch Operators • Control-M Schedulers • Consultants

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, as well as 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 Scheduling Definition Facility
• Create Job Scheduling Definitions
• Use Calendars
• Describe SMART Tables
• Describe Online Tracking and Control Facility
• Use different commands and Options in 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

For more information about BMC Education Services, visit **www.bmc.com/education**.

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
- Define a Load Index
- Create or Modify a Load-Index
- Describe:
    - Load-Indexes Definition Screen
    - Load-Index Status Screen
- Manage Load-Index

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

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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