

Control-M 22: Fundamentals Scheduling

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Course Code: AUTO-CMFS-9220

Modality

Instructor-Led Training (ILT)

Duration

4 Days

Applicable Versions

Control-M 9.0.22.000

Target Audience

- Schedulers
- Operators

Course Overview

The Control-M 22: Fundamentals Scheduling course provides IT professionals with the concepts and hands-on experience of using distributed Control-M products to monitor and manage their production environments. This includes creating job definitions; monitoring and intervening in the production jobs; reviewing, tracking, and analyzing problems; and using tools to analyze areas that can be improved.

This course explores features and functionality found in both Control-M GUI and Control-M Web interfaces for the enterprise batch scheduling environment.

Participants will learn to create, schedule, and manage job processing using the Planning domain. Hands-on labs allow participants to apply the procedures and concepts presented in the class.

Prerequisites

- Control-M 21.x: Fundamentals Using (WBT)

Recommended Trainings

- Control-M 21.x: Comparing Web Interface with Client Interface (WBT)
- Control-M 22: Fundamentals Operating (ILT)

Learning Objectives

- Understand the architecture of Control-M
- Understand the daily roles and responsibilities of a Control-M Scheduler
- Navigate through the Control-M Web domains
- Create and open Workspaces
- Define and modify folders and jobs
- Explain, access, and define Public and Private Viewpoints
- Manually run folders and jobs
- Automatically and manually define folder and job dependencies
- Explain, define and use Global Events
- Explain the different Find options, and how they differ depending on where they are utilized
- Explain and use the Find and Update feature
- Explain the differences between job types
- Define and utilize a Template
- Explain and use the Mass Create feature
- Access and navigate through the Scheduling tab
- Specify Time Settings, Time Zones, Rerun Settings and Activity Periods
- Understand and use the Keep Active attribute
- Define and use calendars

- Define folder schedules
- Explain how the Advanced scheduling option can be used to create more complex schedules
- Explain the different folder and job prerequisites
- Explain and use Lock Resources, Resource Pools and Workload Policies
- Define an order of precedence between folders and jobs
- Explain what Control-M variables are, and how they are used in folder and job definitions
- Explain variable scope
- Define and view shared variables
- Define Notifications and If-Actions
- Use the Changes History tool to restore previous job versions and deleted folders and jobs
- Open a Historical Viewpoint
- Define and manage Control-M Reports

Course Modules

Module 1: Control-M Solution Overview

- Explain the purpose of the BMC Control-M (Control-M) product
- Understand the architecture of Control-M
- Explain the different Control-M user roles from a high-level
- Understand the daily roles and responsibilities of a Control-M Scheduler
- List the Control-M interfaces
- Access the Control-M Web interface
- Navigate through the Control-M Web domains
- Access and update User Preferences in Control-M Web
- Explain the following Control-M concepts:
 - Workspaces
 - Folders
 - Jobs
 - New Day Process
 - Viewpoints
 - Services

Module 2: Defining Jobs

- Access and navigate through the Planning domain
- Create and open Workspaces
- Define and modify folders and jobs
- Save, Check In and Modify a Workspace

Module 3: Running Jobs

- Access and navigate through the Monitoring domain
- Explain, access, and define Public and Private Viewpoints
- Filter Viewpoints
- Manually run folders and jobs

Module 4: Job Dependencies

- Explain dependencies, including Add, Delete and Wait for Events
- Understand and explain the structure of Events
- Automatically and manually define Events
- Access the Events table
- Specify a different Run Date for Events
- Specify an Event relationship
- Explain what the Neighborhood is, and how to view folders and jobs in the Neighborhood
- Explain, define, and use Global Events

Module 5: Find and Update

- Explain the different Find options, and how they differ depending on where they are utilized
- Access and use Advanced Find
- Explain and use the Find and Update feature
- Save Find and Update presets

Module 6: Templates

- Explain the differences between job types
- Explain how to utilize different job types
- Define and utilize a Template
- Show and hide job types from the Workspace
- Explain and use the Mass Create feature
- Export and import Templates

Module 7: Job Scheduling

- Access and navigate through a job's Scheduling tab
- Define the basic scheduling options for jobs
- Access the View Schedule and Timeline View tools
- Specify Time Settings and Time Zones
- Specify Rerun Settings
- Specify an Activity Period

- Understand and use the Keep Active attribute

Module 8: Calendars

- Explain how calendars can be used to centrally manage folder and job schedules
- Explain and define the following calendar types:
 - Regular
 - Periodic
 - Rule-Based
- Explain and use Confirmation Calendars
- Understand SMART and sub folder scheduling

Module 9: Advanced Scheduling

- Explain how the Advanced option can be used to create more complex job and Rule-Based Calendar schedules
- Utilize rules with Regular and Periodic calendars

Module 10: Prerequisites

- Explain the different folder and job prerequisites
- Define Manual Confirmation for a folder or job
- Explain and use Lock Resources, Resource Pools and Workload Policies
- Specify a Priority to define an order of precedence between folders and jobs
- Explain and use the Critical attribute

Module 11: Variables

- Explain what Control-M variables are, and how they are used in folder and job definitions
- Understand the variable categories
- Explain variable scope
- Define and view shared variables
- Define list variables
- Utilize Capture from Job Output rules

Module 12: Notifications

- Explain what Notifications are, and why they are used
- Access and customize the Alerts Window
- Define Notifications Before and After Completion

Module 13: If-Actions

- Explain the purpose of If-Actions
- Define If Statements
- Define Actions
- Perform Output Handling

Module 14: Version History

- Explain how to access and review folder and job versions
- Access the Version History and Changes History tools
- Compare folder and job versions
- Restore previous job versions
- Restore deleted folders and jobs
- Explain the purpose of Historical Viewpoints
- Open a Historical Viewpoint
- View the history of Services

Module 15: Reports

- Understand how to access and define Control-M Reports
- Understand the different report categories and templates
- Save, Generate and Export a report

Discount Options

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

Contact us for additional information 