

## Introduction to Control-M Workload Automation

### Course Summary

#### Description

This course is designed to give the student a basic knowledge of Control-M Workload Automation, automated scheduling for Windows, UNIX/Linux, and z/OS mainframe platforms. The student will learn how the system is designed and managed, how to define job schedules, monitor job activity, and how to use the powerful facilities provided by the MS-Windows user interface.

#### Objectives

At the end of this course, students will be able to:

- Understand the Control-M Workload Automation system, components, and terminology.
- Utilize the Control-M Configuration Manager to examine systems components.
- Utilize the Planning Domain to create folder, and job definitions.
- Utilize the Monitoring Domain to track job execution, detect errors, and resolve issues.
- Utilize the Forecast Domain to examine future workloads.
- Utilize the options in the Tools Domain/Tools Menu to manage Control-M.
- Utilize the Control-M Reporting Facility to create Reports and Report Templates.

#### Topics

- The Control-M Workload Automation System Architecture, Components, and Terminology
- Comparing Enterprise Manager v.7 and Workload Automation
- Using the Control-M Workload Automation User Interface (UI)
- Screen Characteristics, and components of the UI
- Domains: Planning, Monitoring, History, Forecast, and Tools
- Using Workspaces, The Active Jobs Database, and Folders
- Creating Job and Scheduling definitions
- Using Control-M Variables in Job definitions, Scripts, and Notifications
- Using Rule-based, and Regular Calendars to define job execution schedules
- Understanding and using Conditions and Resources
- Notification, and ON/DO post-processing actions
- Job Ordering and Monitoring
- Managing alerts
- Handling abnormal Job completion
- Creating Reports

#### Audience

This course is designed for anyone involved in implementing, maintaining or using Control-M Workload Automation.

#### Prerequisites

There are no prerequisites for this course.

#### Duration

Four days

Due to the nature of this material, this document refers to numerous hardware and software products by their trade names. References to other companies and their products are for informational purposes only, and all trademarks are the properties of their respective companies. It is not the intent of ProTech Professional Technical Services, Inc. to use any of these names generically

## Introduction to Control-M Workload Automation

### Course Outline

- I. Control-M Workload Automation**
  - A. Objectives
  - B. History
  - C. Control-M Workload Automation Components
  - D. Control-M Installation Overview
  - E. Control-M Workload Automation Overview
- II. Control-M Administration Overview**
  - A. Control-M Configuration Manager (CCM)
    - 1. Control-M Components
    - 2. System Configuration
    - 3. Security Settings
    - 4. Control-M/Enterprise Manager Authorizations
    - 5. Alerts
    - 6. Host Groups
    - 7. Deploying Agents or Clients
    - 8. Control-M Diagnostics
- III. The Control-M Workload Automation Client**
  - A. Login Profiles
  - B. Characteristics of the Graphical User's Interface (GUI)
  - C. Domains
    - 1. Basic Scheduling Overview – The Planning Domain
      - a) Required parameters
      - b) Ordering and Forcing Jobs
    - 2. Introduction to the Monitoring Domain
      - a) Viewpoints
      - b) Basic Job actions
  - D. Logging Out
  - E. Workspaces
    - 1. Options
    - 2. Saving
    - 3. Ownership
    - 4. Check-in and Check-out
    - 5. Import/Export Jobs
    - 6. Workspace Hierarchies
    - 7. Search and Update Tools
  - F. New Day – Automated Job Ordering
- IV. Variables**
  - A. System Variables
  - B. Definition Files
  - C. Complex Variable Resolution
  - D. Operators and Functions
- V. General Folder and Job Parameters**
  - A. Folder and Smart Folder parameters
  - B. Job definitions
  - C. Creating a Job Template
  - D. Job Types
  - E. The FileWatcher utility
- VI. Scheduling Parameters**
  - A. Rule-based scheduling
  - B. Calendar based scheduling
  - C. Run-time scheduling
    - 1. Start and End time
    - 2. Cyclic jobs
    - 3. Keep Active
    - 4. Retroactively scheduling jobs
- VII. Prerequisites**
  - A. Manual Confirmation
  - B. Conditions
  - C. Control Resources
  - D. Quantitative Resources
- VIII. Actions**
  - A. Notifications (formerly SHOUT)
  - B. On/Do actions
- IX. Viewpoints**
  - A. Job Analysis tools
  - B. Job actions
  - C. Version Management (Planning)
- X. History and Forecast Domains**
  - A. History (formerly Archived Viewpoints)
  - B. Forecast
  - C. Forecast/BIM Rules
- XI. The Tools Domain**
  - A. Tools ribbon vs. Tools Domain
  - B. Monitoring
  - C. Planning
  - D. Communication
  - E. Production Control
  - F. Other Tools
  - G. The Reporting Facility
    - 1. Creating Reports and Report Templates