

Control-M 22: Advanced Administering


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Course Code: AUTO-CMAD-9220

Modality	Duration	Applicable Versions	Target Audience
Instructor-Led Training (ILT)	2 Days	Control-M 9.0.22.000	<ul style="list-style-type: none"> Administrators

Course Overview

Control-M Advanced Administering extends administrator capabilities by enabling advanced configuration, management, and troubleshooting of the Control-M environment to ensure high availability, performance, and stability.

This instructor-led training introduces participants to advanced administration concepts and best practices. Participants learn how to perform advanced environment configuration, manage high-availability and disaster-recovery setups, monitor and tune system performance, and troubleshoot complex operational issues. Hands-on labs allow participants to practice and apply advanced administrative procedures and concepts covered in the course.

Recommended Trainings

- Control-M 22: Fundamentals Administering (ILT/ASP)

Learning Objectives

- Design and scale the Control-M administration tier by applying Distributed EM architectures, load distribution patterns, and HostPort planning best practices.
- Configure and secure access control by implementing Control-M/Server Security, selecting the appropriate security mode, and applying folder, monitoring, and entity authorizations safely.
- Extend and validate execution capabilities by using Java-based Agentless Hosts, including remote utilities and diagnostics to resolve common connectivity issues.
- Automate and standardize administrative operations using the Automation API, including CLI environments and Config, Provision, and Usage services.
- Implement and operate end-to-end TLS across Zones 1–3 by managing certificate workflows, hardening configurations, troubleshooting issues, performing rollback, and integrating with LDAP, databases, MFT, and plug-ins.
- Assess and document platform health by running an annual Control-M health check across EM, Server, and Agent tiers, and produce an evidence pack with a prioritized action plan suitable for audit and support purposes.

Course Modules

Module 1: Defining a Distributed Control-M/Enterprise Manager

- Explain Distributed Control-M/Enterprise Manager
- Identify when to scale EM's by adding Distributed EM's and related components
- Design an EM load distribution approach
- Implement a Distributed EM
- Define HostPort parameters

Module 2: Control-M/Server Security

- Explain Control-M/Server Security and what it protects
- Describe when and why to use Control-M/Server Security (and when Roles are enough)
- Identify the three authorization areas: Folders, Monitoring, and Entities
- Compare Full Security modes (Restricted vs Unrestricted) to make an informed choice
- Outline a safe implementation approach and common pitfalls

Module 3: Defining a Java-Based Agentless Host

- Explain Java-Based Agentless Host
- Describe the capabilities and limitations of a Java-Based Agentless Host
- Configure a Java-Based Agentless Host on UNIX
- Enable, upload and validate remote utilities
- Use built-in diagnostics to troubleshoot common issues

Module 4: Administering Control-M Using Automation API

- Explain Control-M Automation API
- Identify the Automation API Services
- Configure and manage an Automation API Command Line Interface Environment
- Use the Config Service to administer Control-M components
- Use the Provision Service to install, register, and upgrade components
- Generate and interpret Usage Service job-count reports

Module 5: Implementing SSL in Control-M

- Generate certificates (CSR-based and self-signed)
- Explain SSL Zones 1, 2 and 3
- Configure SSL on the Web Server (Zone 1)
- Configure SSL between EM and Server (Zone 2)
- Configure SSL between Server and Agents (Zone 3)
- Validate, harden, and troubleshoot SSL
- Rollback SSL configurations
- Configure SSL for LDAP and databases
- Configure SSL for MFT and plug-ins

Module 6: Performing a Control-M Health Check

- Perform a repeatable, annual health check that covers all three tiers (EM, Server, and Agent)
- Produce an evidence pack and a prioritized action plan that can be reused for audits and support
- Collect evidence using Control-M Web exports, CLI utilities, and the Automation API CLI

Discount Options

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

Contact us for additional information 