

Control-M 21.x: Fundamentals Administering (ASP)



ABSTRACT

[Learning Path >](#)

Course Code: AUTO-CMFA-0921-ASP

Modality

Assisted Self-paced (ASP)

Duration

Equal to 4 Days

Applicable Versions

Control-M 9.0.21.000

Target Audience

- Administrators
- Consultants

Course Overview

This course provides instruction and hands-on practice in administration and customization options of the distributed systems Control-M solution. Control-M is a monitoring and management tool for the enterprise batch-scheduling environment. It allows users to manage job processing across all distributed systems platforms supported by instances of Control-M/Server and Control-M/Agent.

This course offers additional multilingual subtitles/closed captioning (cc), generated using an Artificial Intelligence translation tool, in French, German, Italian, Portuguese, and Spanish.

Prerequisites

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

Learning Objectives

- Understand the architecture and the purpose of each component involved in it
- Explain the job processing lifecycle
- Navigate through the different domains in Control-M GUI
- Work with new or existing Workspaces
- Manage, troubleshoot, and configure New Day process
- Learn how to adjust for Daylight Saving Time
- Configure options related to alerts, usage alerts, email, and STMP
- Configure Control-M/EM System Parameters
- Manage and monitor Control-M components
- Implement security options by defining users and roles, and by selecting configuration options
- Implement agentless platforms for job execution
- Manage host groups
- Access job history and review job versions
- Understand version management
- Implement Control-M high availability functionality
- Use the Configuration domain in Control-M Web

Course Activities

- Student and lab guide as ebook
- Product community for questions and answers
- Course recording via WBT
- Access to instructor for up to [x] hours by appointment (use within 90 days of registration)

Virtual Lab

- With this offering, you will receive student and lab guides as eBooks. You will have access to product and communities to answer your questions. All the course recordings will be available in the form of WBTs. You will have access to the instructors for up to 2 hours by appointment. Make sure to use this time up within **90 days** of registration.
- Lab Vouchers are issued at course registration time and must be redeemed within **90 days** of receipt. Once Lab Voucher is redeemed, **28 days** of lab access (portal access) are granted with **24 hours** of on-demand lab time to be used. Once the lab time is used, or the 28 days expires, the lab access ends.
- Click [here](#) for additional ASP virtual lab access information in a graphical format.

Course Modules

Module 1: Architecture and Components

- Describe the Control-M architecture
- State the purpose of each component in the Control-M architecture
- Explain the different Control-M/EM components
- List the different Control-M interfaces
- Access the Control-M interfaces

Module 2: Starting, Stopping, and Checking Status

- Start and stop the EM, Server, and Agent components
- Check the status of the:
 - Control-M/EM
 - Control-M/Servers
 - Control-M/Agents
 - Databases
- Monitor services

Module 3: Job Life Cycle and Configuring the Control-M/Server

- Work with the Control-M GUI
- Create a Workspace
- Describe the job processing life cycle
- Create a Viewpoint
- Create and order jobs for execution
- Work with Conditions
- Describe the New Day Process

Module 4: Configuring the Control-M/Enterprise Manager

- Configure exception and usage alerts
- Implement and configure SNMP communication
- Configure EM System Parameters
- Configure Exception and Usage Alerts
- Implement and configure SNMP communication

Module 5: Using the Automation API Config Service

- Explain Control-M/EM Security
- Explain Control-M Users and Roles
- Create Control-M Users and Roles
- Configure External Authentication using IdP and LDAP
- Configure Password Rules
- Configure Emergency Users
- Change the Control-M/EM DBO Password

Module 6: High Availability

- Implement Control-M/EM and Control-M/Server High Availability

Module 7: Control-M/Agent Security

- Administer Control-M/Agent security in Windows:
 - Configure Windows Local Security Policies
 - Change the Control-M/Agent Windows Service account
 - Understand and use the Logon As parameter
- Administer Control-M/Agent security on Linux/UNIX:
 - Understand and use non-root mode
 - Understand and use root mode

- Understand and use sudo mode
- Explain Agent connection modes
- Define and configure Host Groups
- Define Host Restrictions

Module 8: Remote Hosts and Application Plug-Ins

- Describe the benefits of enabling agentless job execution
- Implement agentless job execution
- Describe the purpose of Control-M Application Plug-ins
- Explain the relationship between the Control-M/Agent and Control-M Application Plug-ins
- Install and configure Control-M Application Plug-ins

Module 9: Database Backup and Management

- Perform job version management
- Perform database maintenance actions
- Backup and restore the Control-M/EM and Control-M/Server databases

Module 10: Troubleshooting Control-M

- Troubleshoot the Control-M components
- Access and use the BMC Knowledge Base to research issues and fixes
- Access Control-M user communities
- Use BMC Support to identify and correct issues
- Download and use product documentation
- Log support issues

Addendum – Control-M Web

- List the functionalities in the Configuration domain
- Add an Agent
- Configure Agent Parameters
- Create a Host Group
- Configure Agent System Parameters
- Add a Run as User
- Create a Centralized Connection Profile
- Convert to a Centralized Connection Profile

Discount Options

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

Contact us for additional information 