

Control-M 21.x: Fundamentals Administering


[Learning Path >](#)

Course Code: AUTO-CMFA-9213

Modality

Instructor-Led Training (ILT)

Duration

4 Days

Applicable Versions

Control-M 9.0.21.300

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.

Prerequisites

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

Recommended Trainings

- NA

Learning Objectives

- Describe the Control-M architecture and the purpose of each component involved in it
- Explain the role of the different Control-M/EM, Control-M/Server and Control-M/Agent processes
- Name and access the different Control-M interfaces
- Start, stop and manage the Control-M components
- Create, load and manage job definitions
- Explain how the New Day Process functions
- Configure Exception and Usage Alerts
- Configure Control-M/EM, Control-M/Server and Control-M/Agent System Parameters
- Send Alerts and Exception Alerts via SNMP
- Create Control-M Users and Roles
- Integrate Control-M with an External Authentication Provider
- Describe the Control-M High Availability architecture and the steps to implement it
- Explain Control-M/Agent security
- List Control-M/Agent connection types
- Describe Host Groups and Agent Restrictions
- Describe Remote Hosts, their enabling technology and how to implement them
- State the purpose of Control-M Application Plug-ins
- Perform the steps to implement Control-M Application Plug-ins
- Integrate Control-M with a CyberArk Vault
- Implement job version management
- Update version management system parameters
- Backup and manage the Control-M databases
- Troubleshoot the Control-M components

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 processes
- List the different Control-M interfaces
- Access the Control-M interfaces

Module 2: Starting, Stopping and Checking Status

- Start and stop the Control-M/EM, Control-M/Server, and Control-M/Agent components
- Check the status of the:
 - Control-M/EM
 - Control-M/Servers
 - Control-M/Agents
 - Databases
- Monitor the Control-M 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 EM System Parameters
- Configure exception and usage alerts
- Implement and configure SNMP communication

Module 5: Control-M/Enterprise Manager Security

- 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 software-managed high availability for the:
 - Control-M/Enterprise Manager
 - Control-M/Server

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
 - Use the Logon As parameter
- Administer Control-M/Agent security on Linux/UNIX:
 - Use non-root mode
 - Use root mode
 - Use sudo mode
- Explain Agent connection modes
- Define and configure Host Groups
- Define Agent Restrictions

Module 8: Remote Hosts and Application Plug-Ins

- Describe the benefits of enabling remote host job execution
- Implement remote host 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
- Integrate Control-M with a CyberArk Vault

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

Discount Options

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

Contact us for additional information 