



Control-M 20.x: Fundamentals Automation API Operating and Developing

COURSE ABSTRACT

COURSE CODE

» AUTO-CMAP-0920

APPLICABLE VERSIONS

» Control-M 9.0.20

DELIVERY METHOD

» Instructor-led Training (ILT)

COURSE DURATION

» 1 Day

PREREQUISITES

» *Control-M 20.x: Fundamentals Using (WBT)*

Course Overview

By accessing the capabilities of Control-M via its Automation Application Programming Interface (API) from the Developers' Self-Service Portal, developers can work with workflow orchestration, further enhancing the self-service nature of the company's DevOps processes.

This one-day instructor-led training covers basic concepts of Control-M Automation API, how to write job definitions in JSON format, working with environments, validating and executing job definitions file, and how to review the job definitions in Control-M environment.

In addition to this, it also talks about the basics of job scheduling and different post execution actions. Finally, students will also learn how to deploy job definitions to the production environment.

Target Audience

» Developers

Learner Objectives

- » Understand the role of automation in the development life cycle
- » List the basic Control-M concepts one should know before using Automation API
- » Use JSON to define job definitions
- » Describe different Control-M Automation API Services
- » Use Environment service to manage environments
- » Use Session service to login and logout of the Control-M environment
- » Use Build service to validate the job definitions
- » Use Run service to execute the job definitions
- » Check the jobs statuses using the `ctm run status` command
- » Track Status of Jobs that match the search criteria
- » Review the job definitions in Control-M Web interface
- » Understand Control-M Workbench and its role
- » Define order dependency between jobs using Flow and Events objects
- » Use Deploy service to deploy job definitions to the Control-M environment
- » Order deployed job definitions using the `ctm run order` command
- » Use the configuration file parameter while ordering deployed job definitions
- » Define job scheduling using the `When` property
- » Use Calendar in job scheduling
- » Use If statements and actions to define post execution actions
- » Define Notifications in job definitions to check certain scenarios before, during and, after job execution

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COURSE ACTIVITIES

- » Classroom Presentations
- » Hands-on Lab Exercises


BMC Control-M LEARNING PATH

- » <https://www.bmc.com/education/courses/control-m-training.html>

ACCREDITATION AND CERTIFICATION PATHS

- » This course is part of the Certified Associate Certification Path for Control-M for Developers.

DISCOUNT OPTIONS

- » Have multiple students? Contact us to discuss hosting a private class for your organization
- » [Contact us for additional information](#) 

Course Modules

Module 1: Overview of Control-M Automation API

- » Need for Control-M Automation API
- » Introduction to Basic Control-M Concepts
- » Control-M Automation API Overview

Module 2: Using JSON

- » Introduction to JSON
- » Job Definitions in JSON
- » JSON and Automation API

Module 3: Working with Control-M Automation API Services

- » Introduction to Control-M Automation API Services
- » Work with Environment and Session Services
- » Work with Build and Run Services
- » View Job Definitions in Control-M Web
- » Workbench Overview

Module 4: Define Order of Execution

- » Introduction to Flow
- » Introduction to Events

Module 5: Deploying Job Code

- » Work with Deploy Service
- » Work with Run Order Command

Module 6: Define Execution Schedules

- » Job Scheduling
- » Using Calendars

Module 7: Post Execution Actions

- » IF Processing
- » Notifications

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