

Course Code: AUTO-CMAP-9211-ASP

Modality

Assisted Self-paced (ASP)

Duration

Equal to 1 Day

Applicable Versions

Control-M 9.0.21.100

Target Audience

- Developers

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 assisted self-paced 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 deploy and run services. Finally, students will also learn about advanced job definitions and the use of deploy descriptor.

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

Recommended Trainings

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

Learning Objectives

- Describe the Control-M architecture and Control-M Roles
- Access the Control-M web interface
- Understand the purpose and usage of the Control-M Automation API
- Explain the Control-M Automation API Services
- Use the Environment, Session, Build, Run and Deploy Services
- Use JSON to create Control-M Jobs-as-Code
- Use a Deploy Descriptor to modify code to comply with different environment standards
- Understand how to build a CI/CD pipeline to automate code deployment

Course Activities

- Student and lab guide as ebook
- Product community for questions and answers
- Course recording via WBT
- Access to instructor for up to 0.5 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 **0.5** 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 **6 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: Overview of Control-M Automation API

- Describe Control-M, Control-M Roles and Control-M Automation API
- Explain the basics of Control-M Automation API
- Access the Control-M Web interface

Module 2: Getting Started with Automation API

- Know the prerequisite steps to get started with Control-M Automation API
- Install the required Automation API components
- Access the Automation API Documentation
- Identify Control-M Automation API Services
- Use Control-M Automation API Services
 - Environment
 - Session
- Understand the process flow for creating and deploying Jobs-as-Code

Module 3: Developing Jobs-as-Code

- Explain basic Control-M concepts such as defining Jobs and Folders
- Recognize JavaScript Object Notation (JSON)
- State JSON Syntax Rules
- Explain the basics of Job Definitions as Code
- Use JSON to define different Control-M Objects

- Folder
 - Job
 - Defaults
- Understand how to validate and troubleshoot the JSON code

Module 4: Using the Run and Deploy Services

- Run job code in a Control-M environment
- Deploy job definitions to a Control-M environment
- Run deployed jobs on a Control-M environment

Module 5: Advanced Jobs-as-Code

- Define an order of execution using both Flow and Events
- Define a schedule for jobs and folders
- Define before and after notifications

Module 6: Using the Deploy Descriptor

- Understand and use Automation API Deploy Descriptors
- Assign, Replace and Add attributes when modifying code with a Deploy Descriptor
- Use JSON Path to identify attributes
- Filter which jobs/folders should be modified by using ApplyOn
- Build a CI/CD pipeline

Discount Options

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

Contact us for additional information 