Enterprise Computing Solutions - Education Services

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BMC Course for Control-M 22.x: Fundamentals Automation API Developing

CODE:	DURÉE:	PRIX H.T.:
BMC_AUTO-CMAP-9211	7 Hours (1 day)	€960.00

Description

By accessing the capabilities of Control-M via its Automation Application Programming Interface (API) from the Developers' Self 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 deploy and run services. Finally, students will also learn about advanced job definitions and the use of deploy descriptor.

Objectifs

• 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

Programme

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

Follow on courses

Recommended Trainings

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

Dates de session

Date	Lieu	Time Zone	Langue	Type	Garanti	PRIX H.T.
23 Nov 2026	Virtual Classroom	CET	French	Instructor Led Online		€960.00

Informations Complémentaires

Cette formation est également disponible sous forme de formation sur site. Veuillez nous contacter pour en savoir plus.