

Control-M

Automation API

Control-M's Automation API builds automation, consistency and governance into the development process so new business services go from concept to production faster.

- Included APIs and CLIs expose a rich set of functions that **automates workflows across the entire application lifecycle**
- **Provides visibility** into how workflows will run in production during the testing process
- **Supports dynamic infrastructure environments** like cloud and containers
- **Uses JSON, Jenkins, GIT,** and other familiar tools

KEY BENEFITS

- **Aligns development and operations** – The people that create applications and those responsible for running them can work from a consistent, familiar platform that addresses the entire lifecycle
- **Eliminates disconnects** – Now applications and the workflows they depend on to execute can be developed together to eliminate inconsistencies and save steps in the deployment process

DESCRIPTION

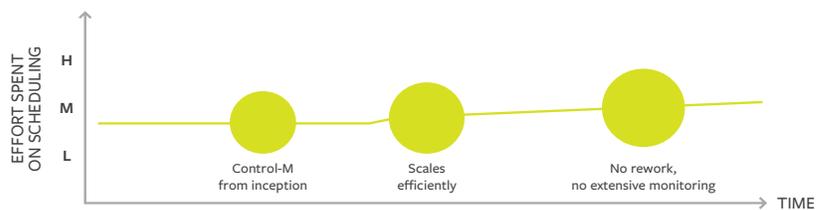
Control-M's Automation API helps to create and deliver new business services faster with embedded, self-service workflow automation. Using Automation API capabilities, developers and DevOps engineers can embed Jobs-as-Code, a best practice approach, within the agile application release process. Using Jobs-as-Code with REST APIs and JSON, within the CI/CD toolchain, application workflows become versionable, testable and maintainable, so developers and DevOps engineers can work collaboratively. And with Control-M Workbench, a no-fee, personal sandbox, developers can unit-test their workflows before committing to a code repository making sure that operational instrumentation can be treated as an artifact of the application.

BUSINESS CHALLENGE

Rapid development efforts often stall at the testing, debugging, and deployment stages. Problems occur because of the inability to manage batch and event driven workflows in the same manner as other components of the application package, such as the source code and environment configuration objects. This causes inconsistencies between the production environment and the environments where applications are created and tested. Managing these inconsistencies has historically been a time consuming, manual, and error-prone process.

BMC SOLUTION

Control-M simplifies workflow orchestration, making it easy to define, schedule, manage and monitor application workflows, ensuring visibility and reliability, and improving SLAs. Automation API capabilities in Control-M create consistency among the development, test, and production environments by giving developers the ability to embed production-ready workflow automation while applications are being developed. This results in applications running more reliably and errors being diagnosed more quickly.while applications are being developed. This results in applications running more reliably and errors being diagnosed more quickly.



 Supports continuous delivery with embedded job workflow automation.

CAPABILITIES

APIs and CLIs (Command Line Interfaces) for the entire lifecycle: Automation API capabilities in Control-M provide APIs and CLIs to automate how workflows are coded, built, tested, run, packaged, deployed, provisioned, configured, and managed. By building more functionality and management features into applications when they are created, organizations save time during the testing, promotion, and production phases. The functions supported by Automation API include:

- Syntax validation
- Configuration management
- Agent provisioning
- Enforcement of operational standards and best practices
- Workbench
- Code deployment

Jobs-as-Code: With an enterprise-grade production solution, you don't have to create custom scripts to build, test, and debug sophisticated application automation. The automation for running, scheduling, and managing batch applications is embedded into the entire software development lifecycle as Control-M's Automation API supports all existing tools in the delivery pipeline. For example, jobs are defined in JSON, stored in GIT, and then built and tested together with the whole application with Jenkins.

Services at your service: Control-M's Automation API includes packaged services that automate functions essential for creating, testing, promoting, and running business services and the workflows they depend on.

REST APIs let you:

- Build jobs and test whether they are valid, job samples are provided to get you started
- Define and select Control-M environments
- Run and track Control-M jobs
- Package job and configuration objects
- Deploy job definitions to Control-M
- Provision Control-M servers, agents and application plugin components
- Manipulate Control-M configurations
- Manage authorizations, users and roles

Enterprise support: Control-M's Automation API enables developers to access the broad application integration provided by Control-M for managing built-in and all Application Integrator custom job types.

Extend the power and value of Control-M: Control-M provides a single point of control to manage workload processes. Control-M's Automation API exposes those automation capabilities to developers, which provides benefits to both development and operations teams.

FOR MORE INFORMATION

To learn more please visit bmc.com/jobsascode



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BMC—Run and Reinvent

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