

BMC Control-M Automation API

Create and deliver new business services faster with embedded, self-service workflow automation

PRODUCT DESCRIPTION

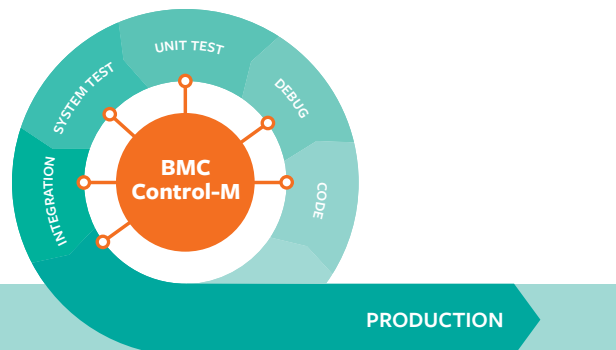
Control-M Automation API is a set of programmatic interfaces that let developers and DevOps engineers use Control-M within the agile application release process. Using JSON notation for job definitions, GIT, and RESTful APIs for validation, configuration, and deployment, workflow scheduling artifacts are seamlessly integrated with the enterprise's automated application release and deployment process.

BUSINESS CHALLENGE

Rapid development efforts often stall at the testing, debugging, and deployment stages. **Problems occur because of the inability to manage batch 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 Automation API creates consistency among the development, test, and production environments by giving developers the ability to **embed workflow automation while applications are being developed.** Since the entire delivery pipeline is fully consistent across development, test, and all other operational environments, **applications run more reliably and errors are diagnosed more quickly.** Plus, there is no need to learn and support a specialized new toolset because Control-M Automation API lets developers **automate workflows within applications using their preferred environments and tools.**



Digital Enterprise Management



KEY DELIVERABLES

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

- **Speeds development** – Included APIs and CLIs expose a rich set of functions to automate workflows across the entire application lifecycle
- **Streamlines testing** – See how workflows will run in production during the testing process
- **Provides compatibility** – No learning curve: use JSON, Jenkins, GIT, and other familiar tools

KEY BENEFITS

- **Aligns development and operations** – The people that create applications and the people 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

- ◀ Supports continuous delivery with embedded job workflow automation.

SERVICE OVERVIEW

APIs and CLIs (Command Line Interfaces) for the Entire

Lifecycle: Control-M Automation API provides 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 that Control-M Automation support include:

- Syntax validation
- Configuration management
- Agent provisioning
- Workbench
- Code deployment

Automate Workflows as Code: Developers can automate the workflows within their applications during development to create consistency with the production environment. Embedding automation doesn't require special tools because Control-M Automation API supports JSON, GIT, and Jenkins so developers and engineers can build workflows using a simple text format. Now workflows can be built and managed like any other artifact within the application delivery pipeline.

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

The included APIs let you:

- Build jobs and test whether they are valid Control-M jobs—job samples are provided to get you started
- Define and select the Control-M environments
- Run and track Control-M jobs
- Package job and configuration objects
- Deploy job definitions to Control-M
- Start and stop the local workbench mode
- Provision Control-M agents
- Manage Control-M configurations

Hadoop Support: Control-M Automation API includes specific tools for use with large Hadoop data sets. It also includes code samples for HDFS, Spark, Sqoop, Hive, Pig, Python, MapReduce, Oozie, and more.

Extend the Power and Value of Control-M: Control-M provides a single point of control to manage workload processes. With Control-M Automation API, you can extend that control into the development environment, which provides benefits to both development and operations teams.



FOR MORE INFORMATION

To learn more about Control-M, please visit
bmc.com/it-solutions/control-m-hadoop

BMC is a global leader in innovative software solutions that enable businesses to transform into digital enterprises for the ultimate competitive advantage. Our Digital Enterprise Management solutions are designed to make digital business fast, seamless, and optimized from mainframe to mobile to cloud and beyond.

BMC – Bring IT to Life

BMC digital IT transforms 82% of the Fortune 500®.



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