

Control-M

Application Workflow Orchestration Made Simple









The two sides of Application Workflow Orchestration

As a dev shop achieves higher proficiency in CI/CD, one of the disciplines often shifted left to Dev is workflow orchestration aka “scheduling”. This trend combined with the need to mix multiple cloud services and providers into the same workflow(s) as on-prem and legacy jobs – especially as it pertains to Data Pipelines and the larger DataOps conversation, has brought about a renaissance in how companies are approaching orchestration. Unlike most facets of an application, the requirements imposed on orchestration differ greatly as an application transitions from day-0/day-1 deployment and burn-in and into day-2 ongoing operations.

Day 1 Focused Orchestration

-  Jobs as Code
-  Intuitive for Developers
-  Modularity and Extensibility
-  Implementation Effort
-  Output handling
-  Error Handling
-  Ease of Use

Day 2 Focused Orchestration

-  Automation & Self-healing
-  Portability
-  Extensibility
-  Outcomes, SLAs & Deadlines
-  Templating
-  Plugins
-  Security and Compliance
-  DevOps

Key Concepts

Manage the Behavior

Workflows have clearly defined expected or desired behavior identifying misbehavior as early as possible is critical to success.

Self-Healing to Reduce Rework

Many step failures can be repaired without human intervention, build this self healing into your workflow directly.

Visibility for All

Enterprise Workflows are often very critical with numerous parties needing visibility into their statuses. Pipe that data directly from your workflow, not the logs it leaves

Security and Access Control

Workflows often require accessing many applications across many environments, maintaining access control is key.

Portability

Separating workflow logic from platform is key in today's multi-cloud world. Ensure that no matter where your workflow runs, it runs as intended no extra effort.

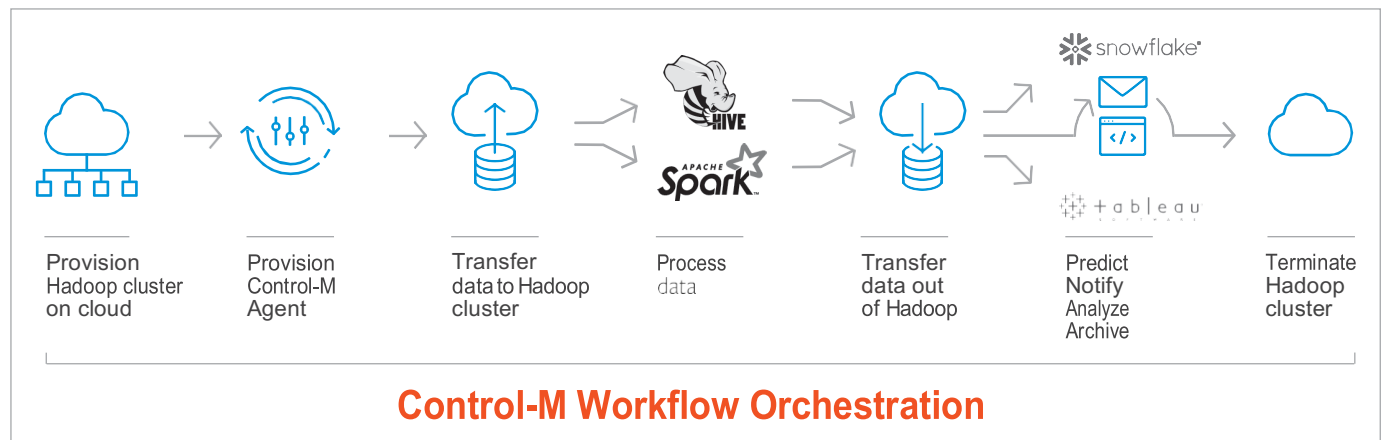
Trust at Scale

The strains and performance requirements on an automation platform and its workflows change dramatically over its lifetime, be confident that as your needs scale, your platform will scale with them.

WORKFLOW ORCHESTRATION IN ACTION

A company that owns thousands of vehicles has a business goal to reduce vehicle downtime by 40% with a predictive model to enable preventive maintenance versus costly emergency repairs. This challenge requires ingesting real-time vehicle sensor data analyzed with multiple historical repair data records using

machine learning algorithms to predict a failure before it happens. Then the system must correlate vehicle location to service depots with parts availability, directing drivers to complete the preventative repair in route versus a roadside repair.



PUT CONTROL-M TO WORK FOR YOU



Developers

Build multi-application workflows using a Jobs-as-Code approach. This allows you to build and test these workflows in a CI/CD pipeline.



Operations

Monitor and manage multi-application workflows from a single point of control with full access to logs and output.



Business Users

Stay up to date on the status of critical services from a mobile app.



FOR MORE INFORMATION

Explore resources for developers at jobsascode.io

Take an in-depth look at Control-M at bmc.com/control-m

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