



BMC Control-M for Cloud

Satisfy the fluctuating server requirements needed to meet batch service levels by automatically provisioning virtual and cloud resources through integration with BMC BladeLogic Automation solutions, VMware, or Amazon EC2.

Key Benefits

- » Reduce capital and operating expenses by dynamically provisioning virtual or cloud server resources for workload automation
- » Meet service level and service delivery targets by ensuring sufficient resources are available for batch workload — even when faced with random or unexpected volume
- » Reduce hardware, floor space, and power costs required to support workload automation by provisioning resources “just in time”

Business Challenge

Traditional workload automation environments use a static hardware configuration model that frequently results in underutilized capacity, which consumes floor space and power during normal operating periods, and constrained resources, which result in missed service levels and degraded service levels during high usage or unexpected peaks.

Additionally, server configuration tasks, such as patching and auditing, require exclusive access to servers that may be running critical batch services. Since the server configuration tools are unaware of these application dependencies, managing maintenance windows and coordinating application shutdown and startup frequently require multiple tools and manual processes that lead to outages and degraded service delivery.

The BMC Solution

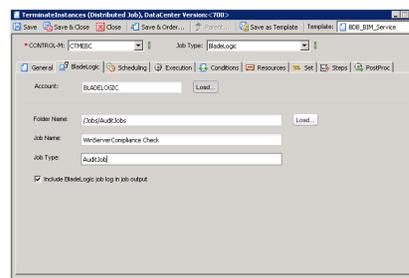
BMC Control-M for Cloud addresses both these challenges by providing direct support and integration for BMC BladeLogic, VMware, and Amazon EC2, so you can take advantage of the full range of the enterprise workload automation capabilities of BMC Control-M.

Standard BMC Control-M jobs can now request that BMC BladeLogic, VMware, or Amazon EC2 perform on-demand provisioning and decommissioning of virtual or cloud resources in response to potential SLA breaches or to changes in workload volume. When such conditions are either detected by BMC Batch Impact Manager or determined by workload policies, BMC Control-M for Cloud reaches out to BMC BladeLogic, VMware, or Amazon EC2 to automatically provision one or more cloud resources (as needed), consume them into the BMC Control-M infrastructure, run the required workload, and then de-commission and release them. This processing can become normal operating procedure (to achieve a constantly elastic workload infrastructure), or it can be invoked only under special conditions, such as unusually high volumes.

Intuitive and Interactive Job Definition

BMC Control-M for Cloud adds three job types — BMC BladeLogic, VMware, and Amazon EC2 — each of which is defined using a wizard-like form that presents retrieved information in selection lists familiar to users of those products. What's more, the automated functions available in BMC Control-M map directly to the functions performed manually or interactively with each solution.

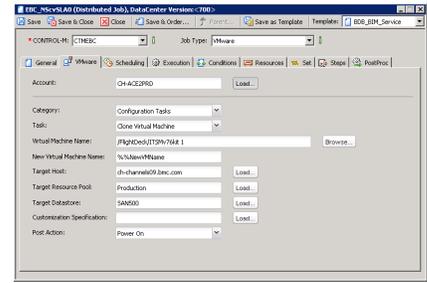
BMC BladeLogic — BMC Control-M for Cloud provides all the capabilities related to job execution available from the BMC Server Automation console. Through its integration with BMC BladeLogic, BMC Control-M manages server configuration tasks, such as patching, auditing, or snapshots, so you can manage both conventional workload automation for business applications and server configuration tasks with a single solution and single set of tools. As a result of this seamless integration, you can more easily resolve any conflicting requirements.



BMC BladeLogic Job Type

» **VMware** — BMC Control-M for Cloud maps three categories of functions to all of the capabilities provided by the VMware VSphere client.

- Power Up operations — Includes functions to *Power On*; *Power Off*; *Suspend and Reset a Virtual Machine*; and *Reboot Guest, Shutdown Guest, or Standby Guest* operating system (*Guest functions require VMware Tools on the Guest to perform these functions.)

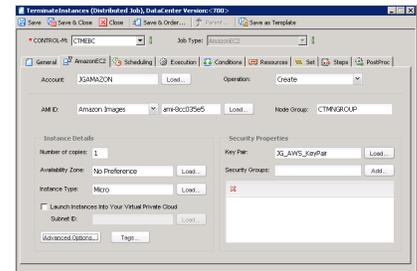


VMware Job Type

- Snapshot operations — Includes *Take Snapshot*, *Revert to Snapshot*, *Remove a Snapshot*, and *Remove All Snapshots*
- Configuration operations — Includes *Clone a Machine*, *Configure Machine*, *Deploy from Template*, and *Invoke VMotion to Migrate Virtual Machine*

» **Amazon** — BMC Control-M for Cloud automates the functions related to managing instances provided by EC2 of Amazon's AWS console.

- *Create, Start, Stop, Reboot, or Terminate* one or more instances in each job
- Dynamically retrieve lists of available AMIs, security groups, key pairs, availability zones, and all other parameters from Amazon EC2



Amazon EC2 Job Type

- Automatically invoke the Control-M Node Group facility to make the new Amazon instance(s) immediately available for executing jobs

Features

- » Incorporate server configuration tasks, such as patching and auditing, into enterprise workload to ensure that invasive activities, such as re-booting after patch application, never collide with critical business workload
- » Reduce capital and operating expenses by dynamically provisioning virtual or cloud server resources for workload automation
- » Meet service level and service delivery targets by ensuring sufficient resources are available for batch workload — even when faced with random or unexpected volume

Part of a Comprehensive Solution

BMC Control-M for Cloud is part of the BMC Workload Automation Suite Solution Pack and BMC Workload Automation Select Solution Pack, so you can manage critical workload processes from a single point of control. With cross-application and cross-platform scheduling capabilities, these powerful workload automation solutions enable business growth and prevent scheduling problems from developing into business problems. With the Suite or Select Solution Packs, you:

- » Gain a faster, cheaper way to manage workload with a unique architecture that supports growth and provides unmatched integration
- » Reduce the number of failure points and delays caused by manual processes with a single, unified scheduling interface — regardless of platform
- » Eliminate your reliance on multiple toolsets and staff resources with automated scheduling processes that help you manage priorities according to business needs
- » Reduce your software footprint and deployment by as much as 80 percent with agentless scheduling

For More Information

To learn more on BMC Control-M, please visit www.bmc.com/control-m.

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Business thrives when IT runs smarter, faster and stronger. That's why the most demanding IT organizations in the world rely on BMC Software across distributed, mainframe, virtual and cloud environments. Recognized as the leader in Business Service Management, BMC offers a comprehensive approach and unified platform that helps IT organizations cut cost, reduce risk and drive business profit. For the four fiscal quarters ended December 31, 2010, BMC revenue was approximately \$2 billion.