

# BMC CONTROL-M 6.3

## Agentless Scheduling Overview

### KEY BENEFITS

The benefits that can be realized by organizations leveraging CONTROL-M's agentless scheduling capability can be significant for the ongoing operations, drastically reducing installation, maintenance, and software upgrade costs.

- > Reduced time to market for the batch portion of key business services.
- > Ability to maintain a zero footprint deployment on managed servers
- > Ability to provide first-day support for new platforms or OS versions
- > Ability to better leverage infrastructure resources via enhanced virtualization capabilities
- > Expedited availability of batch processing in contingency or test environments
- > Enhanced scalability options and simplified scheduling topology
- > Enhanced audit compliance by eliminating the need to use ROOT or admin privileges
- > Reduced overhead on managed servers
- > Reduced total cost of ownership at both the product and process level

Organizations can rapidly realize these benefits due to the fact that the agentless scheduling capability of BMC CONTROL-M is an out-of-the-box function that can be implemented in a simple and straightforward fashion. A hostname definition is all that is required in the job schedule to point the job's execution to the desired machine. For existing BMC CONTROL-M users, this means that there is no need to alter existing BMC CONTROL-M job schedule definitions to take advantage of this capability.

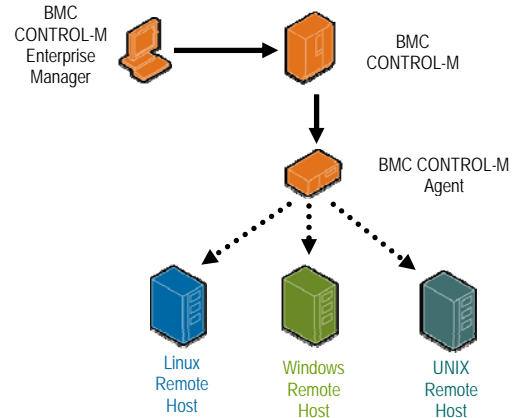
With the release of BMC CONTROL-M 6.3, BMC Software has added agentless scheduling capabilities to its industry-leading enterprise batch scheduling solution. This BMC CONTROL-M exclusive capability revolutionizes the enterprise batch scheduling industry by enabling organizations to manage batch processes without the need for a local installation of an agent or any other proprietary software component on each managed host machine in the enterprise.

### AGENTLESS SCHEDULING TECHNOLOGY OVERVIEW

The agentless scheduling capabilities available with BMC CONTROL-M 6.3 make use of standard facilities found in common operating systems. Agentless scheduling is provided by leveraging either Secure Remote Shell (SSH) or Windows Management Instrumentation (WMI) to facilitate communication between the remote host and BMC CONTROL-M. Any machine that supports either SSH or WMI is a candidate for a BMC CONTROL-M agentless deployment.

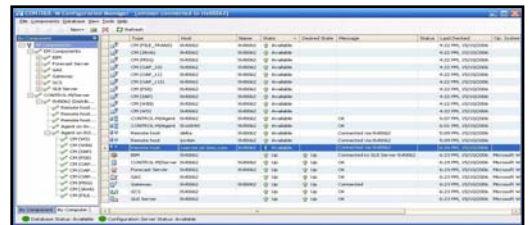
### BMC CONTROL-M AGENTLESS CONFIGURATION

The following chart illustrates a sample agentless configuration option. In this example BMC CONTROL-M is configured to manage batch processes on remote Linux, Windows, and UNIX host machines. The BMC CONTROL-M agent serves as the interface between the BMC CONTROL-M server and the remote hosts.



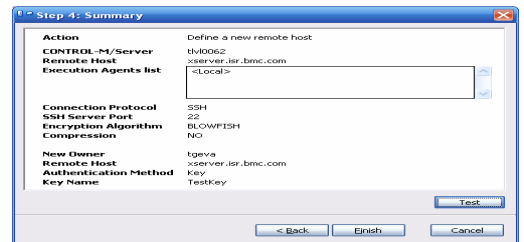
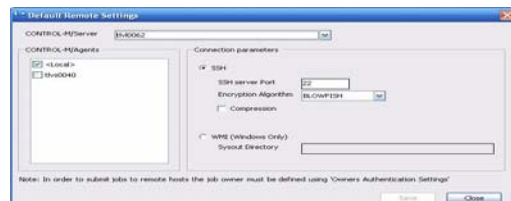
### REMOTE HOST ADMINISTRATION

Further enhancing the value of BMC CONTROL-M 6.3 is a new administration component called the BMC CONTROL-M Configuration Manager. This administration GUI enables the organization to manage and monitor all BMC CONTROL-M components that are deployed across the enterprise. This includes the management of all remote host machines.



### AGENTLESS DEPLOYMENT

The deployment of agentless scheduling is an out-of-the-box process that requires only a valid account credentials. Running jobs based on agentless technology is completely transparent to the end user.



This product integrates with BMC Atrium technologies.

## REMOTE HOST JOB SUBMISSION PROCESS OVERVIEW

- > Job submission method managed by BMC CONTROL-M/Server
- > BMC CONTROL-M Server maps its remote hosts and monitors their availability.
- > BMC CONTROL-M Agent sends the job for execution to the remote host based on its NODEID.
- > At the time of submission, owner authentication is performed by UserID/Password or SSH Keys.
- > All common BMC CONTROL-M features are available for jobs running on remote hosts:
  - o View Sysout
  - o View BMC CONTROL-M Log
  - o Post processing and immediate actions
- > Job submissions to remote host machines look and feel like jobs that were submitted by a local agent.

## AGENT OR AGENTLESS -- THINGS TO CONSIDER

BMC CONTROL-M gives you multiple deployment options: the robustness of an agent-based solution and the simplicity of an agentless one. Some aspect of your environment should be taken into consideration before deciding on the most appropriate option.

- > Target platform configuration
  - o UNIX, Linux, or Windows hosts supporting SSH Version 2
  - o Windows 2003 with WMI
- > Number and frequency of jobs running on target platform
- > Machines that support work using any of the following BMC CONTROL-M capabilities:
  - o File watching
  - o Control Modules (CMs)
  - o Execution of BMC CONTROL-M utilities (ctmcreate etc.)

For more information about BMC CONTROL-M, please visit [www.bmc.com](http://www.bmc.com) and select BMC CONTROL-M.

## ABOUT BMC SOFTWARE

BMC Software delivers the solutions IT needs to increase business value through better management of technology and IT processes. Our industry-leading Business Service Management solutions help you reduce cost, lower risk of business disruption, and benefit from an IT infrastructure built to support business growth and flexibility. Only BMC provides best practice IT processes, automated technology management, and award-winning BMC Atrium technologies that offer a shared view into how IT services support business priorities. Known for enterprise solutions that span mainframe, distributed systems, and end-user devices, BMC also delivers solutions that address the unique challenges of the midsized business. Founded in 1980, BMC has offices worldwide and fiscal 2007 revenues of \$1.58 billion. Activate your business with the power of IT. [www.bmc.com](http://www.bmc.com).



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