

BMC BladeLogic for Cisco Unified Computing System

Product Overview



BMC BladeLogic for Cisco® Unified Computing System addresses the inherent challenges associated with today's dynamic data centers.

With BMC BladeLogic for Cisco Unified Computing System, IT departments can:

- Use one integrated platform to provision, configure, administer, and manage the Cisco Unified Computing System and associated applications, all through a single console for day-to-day server operations and activities.
- Increase staff productivity and improve cost structure while supporting complex and dynamic virtual and physical environments
- Reduce complexity and better align with the business through the abstraction of IT configuration components into IT services, in which management decisions are made at the IT service level
- Create an environment that supports an extremely high rate of change while helping ensure consistency and application stability, and in which data center resources are easily repurposed and reallocated based on changing business needs

Features and Benefits

BMC BladeLogic for Cisco Unified Computing System, which includes BMC Atrium technology, tightly integrates with and builds on the Cisco Unified Computing System (UCS) Manager for powerful in-context provisioning, automation, and resource management of Cisco Unified Computing System resources. Together they provide an integrated device and system architecture that transparently connects previously disparate infrastructure components such as network, compute, and virtualization, including the applications they support. The result is a single, unified platform for the virtual and physical data center that is dramatically simpler to maintain and operate, enabling enterprises to perform business processes much more efficiently and with uncompromising availability and performance.

Table 1 summarizes the main benefits of BMC BladeLogic for Cisco Unified Computing System.

Table 1. Features and Benefits

Feature	Benefit
Discovery of Cisco Unified Computing System	• Discovers the blades and associated hardware components, templates, and active profiles from the Cisco Unified Computing System Manager • Consolidates multiple Cisco Unified Computing Systems into a single consolidated management view including physical and logical components. • Allows configuration snapshots at the granular or system level for analysis of drift and compliance
Cisco Unified Computing System template creation and editing	Assists in the rapid creation and reuse of hardware templates from a single unified management console
Cross Cisco Unified Computing System template management	Enables management of standard hardware templates across multiple Cisco Unified Computing System instances
Cross Cisco Unified Computing System MAC address and worldwide name (WWN) management	• Enables the management of MAC addresses and WWNs across multiple Cisco Unified Computing System instances • Prevents collisions of MAC addresses and WWNs during the provisioning process
Local disk provisioning for Cisco Unified Computing System	Provides consolidated wizard interface for rapid local disk provisioning of operating systems and application stacks on Cisco Unified Computing System hardware

SAN provisioning for Cisco Unified Computing System	Provides consolidated wizard interface for rapid SAN provisioning of operating systems and application stacks on Cisco UCS hardware
VMware ESX provisioning for Cisco Unified Computing System	Provides consolidated wizard interface for rapid (local or SAN based) provisioning of VMware ESX hypervisors and the respective guest operating systems and application stacks on Cisco Unified Computing System hardware
Consolidated Cisco Unified Computing System operator and management actions	Provides a single interface for performing common management tasks on Cisco Unified Computing System blade instances
Ongoing full stack management	Assists in the ongoing full stack management of provisioned blades on the Cisco Unified Computing System infrastructure; capabilities include application management, settings management, patch management, and ongoing configuration management

Product Architecture

The recommended architecture for BMC BladeLogic for Cisco Unified Computing System is a two-machine configuration.

Product Specifications

Table 2 presents the BMC BladeLogic for Cisco Unified Computing System specifications.

Table 2. Product Specifications

Item	Specification
Product compatibility	Cisco Unified Computing System with at least 1 blade.
Software compatibility	Cisco UCS Manager software (UCSM) Version 1.0.1 or later

System Requirements

Table 3 presents system requirements for BMC BladeLogic for Cisco Unified Computing System.

Table 3. System Requirements

BMC BladeLogic 7.7 Application Server	
Disk space	50 GB
Hardware	- Required: 2 Intel Xeon 1-GHz processors - Recommended: 4 Intel Xeon 3-GHz or better processors
Memory	- Required: 2 GB - Recommended 4 GB or better (8 GB or better recommended for any 64-bit uses)
Software	- BMC BladeLogic Trivial File Transfer Protocol (TFTP) server (included) - BMC BladeLogic preboot execution environment (PXE) server (included) - BMC BladeLogic Network Shell (NSH) server (included) - Dynamic Host Configuration Protocol DHCP server (not included) - Web server (Microsoft Internet Information Services [IIS] or Apache) (only for Linux-based provisioning)
Other	- Data store: Local or remote storage for OS images, applications, patches, etc. - Recommended: At least 500 GB of storage
OS	Microsoft Windows 2003 or Windows 2008 Advanced Server or Red Hat Enterprise Linux (RHEL) 4.0 or 5.0
BMC BladeLogic 7.7 for Cisco Unified Computing System	
Disk space	3 GB
Hardware	Dual-core Intel processor
Memory	4 GB
Software	BMC Atrium Orchestrator (included)
OS	Microsoft Windows 2003 or Windows 2008 Advanced Server or RHEL 4.0 or 5.0

Ordering Information

To place an order, visit the Cisco Ordering homepage. To download software, visit the Cisco Software Center. Table 4 provides ordering information for BMC BladeLogic for Cisco Unified Computing System.

Table 4. Ordering Information

Description	Part Number
BMC BladeLogic 7.7 for Cisco Unified Computing System	BMC – 001 (Virtualized Servers) BMC – 002 (Physical Servers)

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For More Information

For more information on BMC BladeLogic or Cisco Unified Computing visit <http://www.cisco.com/go/ucs> or <http://www.bmc.com>.



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