



BMC Capacity Management Essentials

A starting point for virtualization and capacity management

KEY BENEFITS

- > Provides simplified visual analysis through a consolidated view of data center utilization
- > Automatically identifies underutilized and over-utilized IT resources
- > Takes the guesswork out of virtualization planning with accurate sizing of server requirements
- > Monitors and manages the growth of both physical systems and virtual machines
- > Includes customizable graphs that provide flexibility in reporting and visualization
- > Delivers true business-service views through Atrium CMDB integration

Successful data center initiatives such as server consolidation or virtualization require thorough analysis and planning to ensure success. By combining agentless data collection, built-in intelligence, a scalable architecture, intuitive interface, and powerful visual analysis and planning capabilities, BMC Capacity Management Essentials provides a complete view of data center capacity and utilization, and offers guidance on how to best consolidate or virtualize resources.

BUSINESS CHALLENGE

Today, reducing costs is not seen as an IT initiative, but as a business imperative. As a result, organizations are adopting capacity management best practices and implementing server consolidation and server virtualization as a way to optimize existing data center resources. With the majority of IT organizations managing expanding distributed environments — with a limited number of IT staff — there is an acute need for a way to:

- > Efficiently collect resource utilization data across thousands of physical and virtual servers
- > Quickly analyze resource usage patterns
- > Develop virtualization plans that optimize existing resources
- > Ensure server and business service performance
- > Accelerate virtualization initiatives

THE BMC SOLUTION

BMC Capacity Management Essentials takes the guess work out of capacity analysis and planning, virtualization, and server consolidation initiatives by providing a complete view of data center resource utilization and capacity. BMC's vendor neutral approach means customers can make decisions on how to best optimize their infrastructure, regardless of hardware vendor.

Scalable architecture and agentless data collection provides the reliable and efficient collection of essential utilization metrics. Built-in intelligence automatically pinpoints both underutilized and over-utilized systems, and displays a consolidated view of server utilization. The virtualization planning capabilities included in BMC Capacity Management Essentials maximize utilization and minimize resource contention. A centralized capacity data store enables historical viewing of utilization patterns for both physical systems and virtual machines, as influenced by business cycles. Customizable reports and graphs, including the ability to determine the proportion of servers consuming specific server resources, add to BMC Capacity Management Essentials analysis capabilities.

With intelligent visualization, essential analysis, and powerful planning capabilities, along with broad operating system (OS) support for today's multi-platform environments, BMC Capacity Management Essentials speeds data center consolidation and virtualization projects; identifies areas of focus; and ensures the overall success of you data center initiatives.



This product integrates with BMC Atrium technologies.



Deliver optimal consolidation plans to accelerate the ROI of virtualization initiatives

FEATURES

- > Agentless data collection of essential performance metrics that minimizes administrative effort
- > Scalable architecture that supports large enterprise-class data centers
- > Customizable reports and graphs that provide unlimited flexibility
- > Server planning for x86 and Unix virtualization initiatives
- > Automated updates from the BMC Atrium CMDB prioritize capacity management practices based on business service requirements
- > Intuitive interface that expands capacity management functionality to the entire IT staff

BUSINESS RUNS ON IT.

IT RUNS ON BMC SOFTWARE.

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 both distributed and mainframe 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 September 30, 2008, BMC revenue was approximately \$1.83 billion. Visit www.bmc.com for more information.



To learn more about how BMC can help activate your business, visit www.bmc.com or call (800) 841-2031

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ALIGNMENT WITH BEST PRACTICES

BMC Capacity Management Essentials incorporates proven best practices that map directly to IT Infrastructure Library® (ITIL®) capacity management processes. Based on more than 25 years of experience in developing comprehensive capacity analysis and planning solutions for enterprise data centers, BMC Capacity Management Essentials is a starting point for capacity assessment of current and ongoing business needs.

TECHNICAL SPECIFICATIONS

Minimum System Requirements

- > Capacity Management Essentials Administrator Console
 - o Microsoft Windows 2003 (Web, Standard, Enterprise, Datacenter Edition)
 - o Microsoft XP Professional, SP2
 - o Intel Pentium IV, 1.2 GHz, 2 GB RAM, 30GB Free Disk Space
 - o Microsoft .NET Framework v3.0 or higher
- > Capacity Management Essentials Viewer
 - o Microsoft Windows 2003 (Web, Standard, Enterprise, Datacenter Edition)
 - o Microsoft XP Professional, SP2
 - o Intel Pentium IV, 1.2 GHz, 1 GB RAM, 150 MB Free Disk Space
 - o Microsoft .NET Framework v3.0 or higher
- > Web Browsers
 - o Internet Explorer 6.0, 7.0
 - o Firefox 1.5, 2.0, 3.0

Monitoring Platform Support

- > Microsoft Windows Server 2000, 2003, 2008, XP Professional, 2000 Professional, Vista
- > IBM® AIX® 5.2, 5.3, 6.1
- > HP-UX 11.11, 11.23, 11.31
- > Oracle Enterprise Linux 4, 5
- > Sun™ Solaris™ 8, 9, 10
- > Red Hat Enterprise Linux® 3.0, 4.0, 4.6, 5.0, 5.1
- > SuSE Linux Enterprise Server 9.0, 10.0
- > VMware ESX 3.0.1, 3.5, 3i
- > Microsoft Windows Virtual Server 2005

PART OF A COMPREHENSIVE BUSINESS SERVICE MANAGEMENT APPROACH

BMC Capacity Management Essentials integrates with the BMC Capacity Management product family to provide a comprehensive performance analysis and capacity management solution. BMC Capacity Management Essentials also provides system-level capacity reports to other BMC solutions through its integration with the BMC Atrium CMDB.

PART OF A COMPREHENSIVE SOLUTION

The following BMC Capacity Management products are available to meet your capacity management needs:

- > **BMC Performance Analysis** provides capacity management staff and business stakeholders with high-level and in-depth performance analysis and reporting capabilities to explain where their performance and capacity levels are today. BMC Performance Analysis provides detailed utilization metrics down to the process level, which can be mapped to application specific workloads for analysis.
- > **BMC Performance Assurance** provides comprehensive management of physical and virtual server performance and capacity, with the ability to properly size, consolidate or virtualize system resources, and understand current and future capacity and performance requirements of business applications. It includes all of the capabilities of BMC Performance Analysis, with the added ability to optimize the performance of virtual machines and predict the impact of change through multi-tiered workload modeling.

