

# BMC Virtualization Capacity Assessment and Planning Service

Fast-track your Virtualization program with BMC Consulting Services

## KEY BENEFITS

The BMC Virtualization Capacity Assessment and Planning Service provides many benefits in addition to a comprehensive and detailed plan for IT infrastructure virtualization. This service will help you to:

- > Address all major distributed systems platforms
- > Maximize the utilization of server resources
- > Provide business justification for a virtualization or consolidation initiative
- > Integrate the Virtualization initiative with business
- > Develop a communication plan to bring all the stakeholders on board
- > Elevate virtualization/consolidation to a continuous process to assure gains continue into the future

What if you could define an ideal path to a virtualized infrastructure and in the process, maximize the return on your virtualization investment? The BMC Virtualization Capacity Assessment and Planning Service is an integrated plan for addressing important areas of virtualization to help you identify improvements that provide the most impact with the least risk.

## BUSINESS CHALLENGE

Server virtualization is rapidly becoming a key alternative to using dedicated servers because of its ability to maximize the use of physical assets while reducing their energy footprint, leading to a greener IT landscape. As you expand the adoption of virtualization technologies; the planning, provisioning, monitoring, management and proactive servicing of these applications become even more critical. Without proper control, you will not realize the benefits of your virtualization initiatives and the quality of service they deliver to the end users will deteriorate.

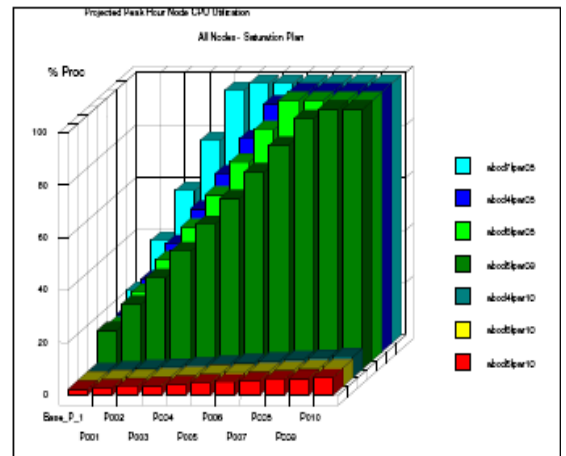
## ACHIEVING A CRITICAL MILESTONE

The BMC Virtualization Capacity Assessment and Planning Service ensures that your IT virtualization program includes integrated and granular plans to address all areas of IT infrastructure, including: Windows, Unix®, and applications, with financial projections and benefit milestones. This roadmap ensures that consolidations in each area are supported by the others; for example, changes to the IT service management processes will be supported by the underlying technology and corresponding roles and responsibilities.

This service addresses the following key areas of IT virtualization:

- > **Identify Potential Candidates and Quick-Wins:** Out of their vast IT infrastructure many companies do not know the number, location, or performance of their servers. You can locate the servers on your network and describe the servers which are candidates for virtualization. With these quick-wins you will be able to justify the virtualization initiative and get buy-in from all the stakeholders.

CPU Utilization



## FEATURES

- > Immediate, agentless performance collection for initial phase
- > Analysis based on combined technical and operational parameters
- > Accurate and objective modeling of application performance before and after virtualization / consolidation
- > Continuous trend reporting and ITIL consistent Web-based reporting
- > Remote service delivery for most cost-effective solution
- > Recommendations and insights from experts in operations, performance, and capacity management

## 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).

- > **Qualify multi-tenant candidates:** CPU utilization rates are not the only criteria to identify candidates for virtualization. Assessing the potential virtualization candidates to determine their ability to co-exist with others in a consolidated platform is required for success. This includes analyzing areas such as I/O and network requirements which are critical concerns when consolidating multi-tenant environments. For example, it is not ideal to consolidate applications with heavy I/O and network requirements even though their CPU utilizations may be low. Similarly, if the total bandwidth of the consolidated applications exceeds the capacity of the NIC, there will be performance issues. Even when all the "hardware" issues are resolved there remain operational considerations. A number of servers may appear to be well suited for virtualization but several of them may also bear responsibilities for failover for other applications. This second responsibility would be compromised if this hardware were removed through consolidation without identifying a failover alternative.
- > **Continuous Reporting:** A Performance Management Database (PMDB) is created to support powerful trend reporting for selected servers to insure against performance impacts from unanticipated demands on the consolidated infrastructure.

### The Application View

While virtualization and consolidation maximize the efficiency of the infrastructure, the impact on the supported applications must be considered. The BMC Virtualization Capacity Assessment and Planning Service expands the virtualization perspective to include applications with Extended Application Analysis. This optional analysis provides a comprehensive understanding of the current performance health of selected applications. More importantly, IT will be able to project the demands of an application to the saturation point (point of performance failure) in the projected consolidated environment beforehand to assure application stakeholders of the future performance of their applications even before the start of virtualization/consolidation. This analysis can include modeling of application performance to view projected business growth on the virtualized infrastructure which closely links the business with IT.

### Unlock the full potential of BSM

BMC Consulting Services leads you on a proven path to lowering the cost, time, and risk associated with achieving measurable results with Business Service Management (BSM), the most effective approach for managing IT from the perspective of the business. With BMC Consulting Services, you will bridge the gap between BSM as a business strategy for IT and the technology and business processes that make it a reality.

## ABOUT BMC SERVICES

BMC helps you achieve your desired business outcomes — on time and on budget. Based on our experience with thousands of customer implementations, BMC has created a repeatable, predictable model for BSM delivery that helps you derive maximum value from your BMC solutions.

- > **Speed your transition to BSM**  
BMC Consulting Services works with you to develop your strategy, implement your BSM solutions, and manage your BSM environment.
- > **Train for Success**  
BMC Educational Services gives you the skills you need to successfully implement BSM and ITIL processes and solutions.
- > **Maximize Ongoing Value**  
BMC Customer Support provides an unmatched portfolio of structured offerings that can be matched to your specific business needs and internal support capabilities.
- > **Partner with the Best**  
The BMC partner community extends BMC's worldwide presence, offers specialization in distinct areas (such as strategy consulting), and contributes to the pool of resources available to your organization.

## FOR MORE INFORMATION

For more information about the BMC Virtualization Capacity Assessment and Planning Service, please contact your BMC account manager or visit [www.bmc.com/worldwide](http://www.bmc.com/worldwide).



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

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