BMC Capacity Optimization for Mainframes

Deliver key mainframe performance metrics to the BMC Capacity Optimization solution in order to optimize IT resources across physical, virtual, and cloud environments — including the mainframe — to achieve cost-effective business service performance.

Key benefits

» Promote unified visibility across IT, including the mainframe

» Better align IT and the business

» Increase IT agility and control

» Effectively respond to business demand, while reducing operating and capital expenditures

» Place the power of capacity management within everyone's reach

Business challenge

The business assumes that IT will provide the required resource capacity to meet the current and future demands of the business. It also requires that IT optimize existing resources and accurately forecast future capacity requirements to ensure optimal business service performance and cost. However, enterprises with siloed, heterogeneous environments that include the mainframe struggle to effectively manage and plan their service performance and capacity needs across all IT resources.

Traditionally, the mainframe has been managed as a separate platform to that of distributed server platform — with a predominately separate and, in many cases, manual approach to capacity management. This traditional approach does not account for applications spanning the IT environment, nor does it support the added complexities introduced with the hybrid data center. In fact, in many applications, the mainframe is used as the enterprise data server, and as such, it needs to be included in a common capacity and performance reporting process to support the dynamic nature of IT and emerging technologies, including cloud computing. If IT is to continually deliver cost-effective capacity that is aligned with business demand, it must adopt a holistic, automated, and business-aware approach to capacity management that does not require a skilled capacity planner.
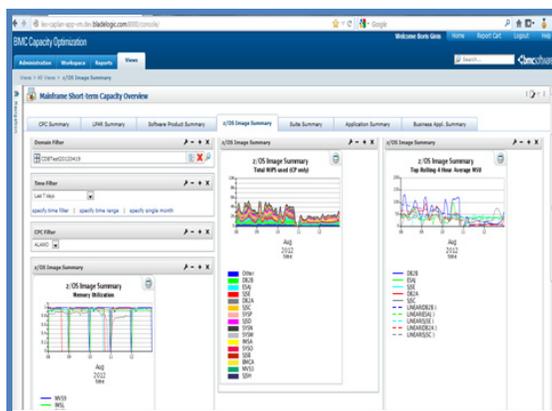

Figure 1. Most active z/OS® Images

The BMC solution

BMC Capacity Optimization enables business-aware capacity planning for modern data centers — comprised of physical, virtual, and cloud technologies — by linking IT resources to measurable business impact. BMC Capacity Optimization combines flexible visualization, automated exception-based analysis and reporting, and a wide range of planning capabilities to provide a comprehensive solution for ensuring cost-effective, optimal business service performance and alignment.

BMC Capacity Optimization for Mainframes delivers key mainframe performance metrics to the BMC Capacity Optimization solution. In doing so, it completes the enterprise-wide capability to proactively optimize IT resources across physical, virtual, and cloud environments, including the mainframe. It automatically integrates mainframe data in the common data store — the Capacity Database (CDB) — and

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provides out-of-the-box access to mainframe key performance indicators (KPIs). This KPI approach enables the optimization of capacity management and reduces the need for mainframe experts to provide mainframe capacity management data.

Analyze and forecast business service performance

BMC Capacity Optimization for Mainframes provides sophisticated, yet easy-to-use, analysis and forecasting capabilities that enable you to identify resource/service trends and requirements to deliver consistent performance that meets or exceeds expectations.

» Unify technology resources across IT data (physical, virtual, storage, network, configuration, etc.) and business data with holistic capacity optimization

» Manage capacity from a business KPI perspective using business-aware capacity planning

» Automate reporting and planning using customizable templates and dashboards

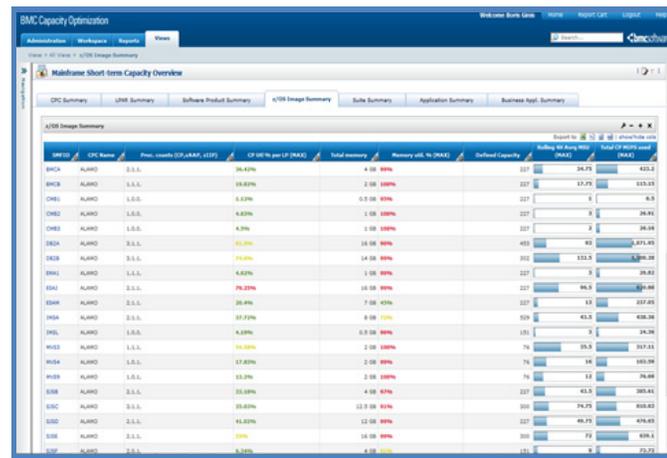» Create technical and business-oriented views

Figure 2. Maximum values of KPIs

Integration with the BMC Atrium CMDB

BMC Capacity Optimization leverages business service relationships stored in the BMC Atrium CMDB to deliver precise capacity analysis, reporting, and planning based on the current service configurations. Leveraging existing configuration items (CIs) and service relationships defined in the BMC Atrium CMDB ensures consistency and eliminates the need to maintain the same information in multiple tools.

Integration with BMC Atrium Discovery and Dependency Mapping

Using BMC Atrium Discovery and Dependency Mapping, BMC Capacity Optimization has visibility into all physical and virtual resources currently deployed in your data center. Though this integration, BMC Capacity Optimization can analyze performance and capacity utilization and design the optimal mix of physical and virtual resources that will maintain performance and quality of service (QOS).

Integration with BMC ProactiveNet Performance Management

BMC Capacity Optimization integrates with BMC ProactiveNet Performance Management for an end-to-end view of business-service performance and capacity. Though this integration, your IT operations staff can manage every stage of the performance management workflow cycle by delivering real-time analytics, historical data analysis, long-term capacity planning, and performance tuning.

For More Information

To learn more about BMC Capacity Optimization for Mainframes, please visit
www.bmc.com/products/product-listing/capacity-optimization-mainframe.html.