

Enterprise-wide Capacity Management

SOLUTION DESCRIPTION

The BMC Enterprise-wide Capacity Management solution aligns and optimizes mainframe, distributed, virtual and cloud resources with business service demands across hybrid applications and business services.

BUSINESS CHALLENGE

Many of the world's largest organizations run complex, hybrid IT environments that include mainframe, distributed and cloud infrastructure running multi-tiered, critical business services. Without the proper insight into IT resource usage along with changing business demands, resource shortages that affect application performance and impact business often occur. Improper allocation of resources and the under-utilization of resources causes overspending of IT capital and operational budgets.

BMC SOLUTION

BMC's Enterprise-wide Capacity Management solution includes BMC Helix Capacity Optimization and BMC AMI Capacity Management to provide visibility into complex, hybrid IT infrastructure –so IT operations teams can easily add or remove compute, storage, network and other IT resources to meet changing application and business service demands. Business service views, forecasting, modeling and reservation planning provide insight for future resources needs, while delivering the ability to control the timing and cost of new capital and operating expenditures.

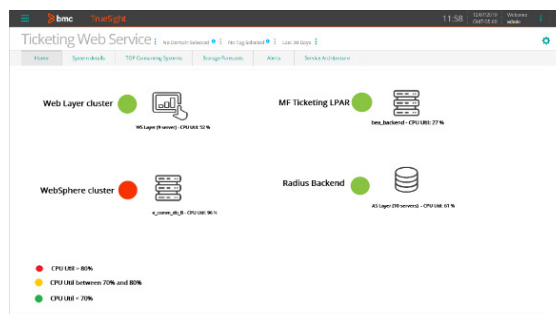
KEY FEATURES

BMC Enterprise-Wide Capacity Management enables IT to keep pace with changes in business demand:

- Automated optimization recommendations based on machine learning
- Intelligent workload placement, including workload balancing for mainframes
- Visibility and insights using extensive data collection, machine learning and advanced analytics
- Ability to model and predict resource changes based on changes in demand
- Reserve resources for new applications

KEY BENEFITS

- 95% accuracy in forecasting capacity needs
- 70%+ reduction in staff effort by automating capacity management tasks
- 30% reduction in IT resource costs
- 6-9 month ROI on average
- Single view of resources for hybrid applications



 View hybrid IT applications and services

SOLUTION DETAILS

Application performance and IT infrastructure need to be continually aligned for customer expectations to be met and controlling costs.

Visibility

Gain visibility and insights into usage and performance of the infrastructure resources that are running your business services. View infrastructure usage and cost in the context that is important to you and your stakeholders. Intuitive views give your early in career staff the data and knowledge to make importance business decisions. An enterprise view of your hybrid IT infrastructure and business services enables you to set priorities, see where infrastructure is run – on premises and public clouds services and understand overall usage patterns. It also allows you and your staff to understand overall usage patterns.

Optimization

Organizations often over-estimate the capacity needed for workloads and applications. Using machine learning, automated recommendations for right-sizing resources are provided so you can increase or decrease resources as needed. In addition, unused resources are automatically identified so you can reclaim and repurpose them. Eliminate wasted capacity and wasted spend.

Business-aware Analytics

Understanding future resource needs can be a challenge. With the ability to easily forecast resource saturation and use

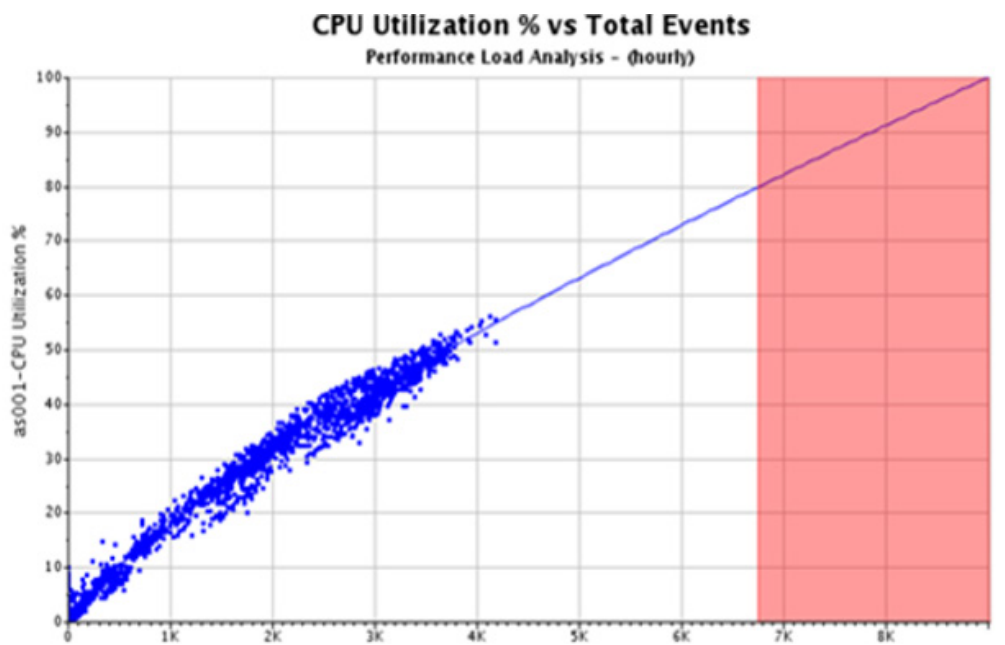
business KPIs to forecast resource needs for growing business demand, you have the insights needed to ensure the right IT resources are available. Advanced modeling helps you understand how configuration changes can affect application performance and what is needed to sustain service levels. It also provides you the ability to right-size your capacity needs and ensure application performance meets expectations. Modeling changes related to decommissioning resources, validating disaster recovery failovers, or major changes in server resources provides the insight needed for business continuity and cost efficiency.

Reservations

Deploy applications and services on time with an understanding of what resources are available at the time of release. With the ability to view current resources – used and available, along with future onboarded and offboarded resources, you can accurately reserve IT resources for future needs. The reservations view ensures you always have a realistic view of your IT infrastructure, so you only buy what is needed and when it is needed.

Workload Placement

Determine the best place for new workloads with virtual planning capabilities. Maximize the capacity on your physical or virtual servers or determine the best placement in LPARs for load balancing. With insights into compute resources, you can make an informed decision that delivers the right balance of performance and capacity.



Forecast resource use based on business demand



Gain insights into application resource use and performance

FOR MORE INFORMATION

For more information about BMC Helix Capacity Optimization, please visit bmc.com/helixcapacity

To learn more about enterprise capacity management, please visit bmc.com/capacity
bmc.com/it-solutions/capacity-management-mainframes.html

About BMC

From core to cloud to edge, BMC delivers the software and services that enable over 10,000 global customers, including 84% of the Forbes Global 100, to thrive in their ongoing evolution to an Autonomous Digital Enterprise.

BMC – Run and Reinvent

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