

BMC Helix Continuous Optimization

Proactively plan and optimize IT resources, reduce costs, and achieve service assurance

Product description

BMC Helix Continuous Optimization (BHCO) uses AI-driven insights to predict and prescribe optimization and forecasting solutions across on-premises, cloud, hybrid, mainframe, and containerized environments that reduce costs and risks while allowing proactive business-oriented planning.

Business challenge

In today's dynamic IT landscape, organizations face the constant challenge of balancing resource utilization, cost efficiency, and service performance. The combination of multi-cloud, hybrid cloud, and legacy on-premises infrastructures, along with the deployment of applications based on Kubernetes, micro-services, and containers, has dramatically increased IT complexity. Capacity, SRE and IT operations teams are spending too much time fixing problems instead of innovating and driving competitive advantages. Manual analysis can lead to over-provisioning of resources and increased costs, while insufficient resource allocation can lead to application performance degradation, outages, and failures. Due to lack of visibility and accurate analysis, teams struggle with:

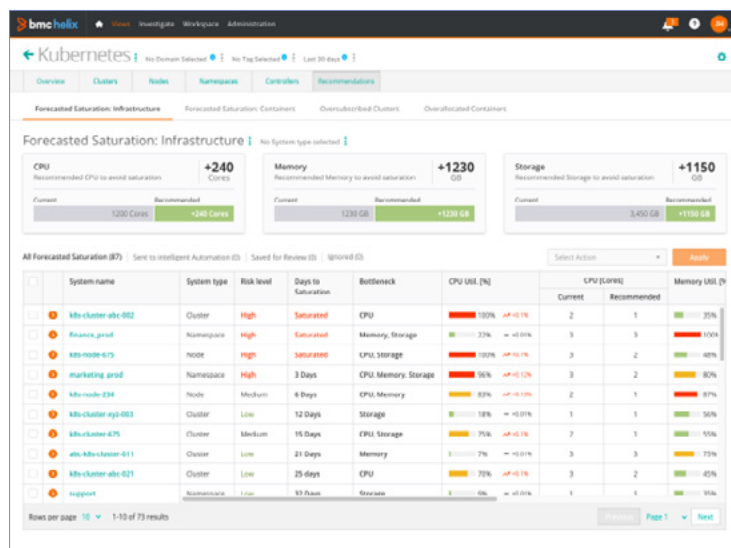
- Forecasting future resource needs
- Optimization strategies across on-premises and cloud environments
- Reactive capacity management

These challenges result in wasted capital expenditure, overspending on cloud resources, and service disruptions and performance issues.

KEY BENEFITS

BMC Helix Continuous Optimization enables IT to keep pace with changes in resource demands while still assuring service performance and availability.

- **Proactive business-oriented planning:** Align capacity with business goals and market trends for investment decisions and scaling operations.
- **Comprehensive visibility:** Gain a holistic view of your IT infrastructure across on-premises, cloud and hybrid environments.
- **Enhanced planning:** Make informed decisions about IT investments and resource allocations based on accurate data and insights.
- **Reduce risk and cost:** Mitigate future service health risks early with predictive saturation forecasting.
- **Regulatory compliance:** Avoid system overloads or crashes that may compromise security or regulatory compliance.



Optimize containers for Kubernetes platforms.

BMC Helix solution

BMC Helix Continuous Optimization enables IT and capacity teams to proactively manage capacity and optimize resource utilization. The solution collects and analyzes data from across the IT environment, including servers, storage, networks, and business services to provide a unified view of current and future resource utilization and performance. Teams gain actionable insights and recommendations for optimizing resource allocation and reducing costs, freeing up time for new functionalities and innovations for the business.

Product details

BMC Helix Continuous Optimization gives IT the ongoing insights needed to balance resources with application demands and provide cost-efficient business service assurance.

Capacity forecasting and modeling: Predict future resource needs and simulate the impact of changes based on business needs. Predictive analytics forecasts future resource demands and identify potential bottlenecks. What-if analysis models the impact of changes and plans for future scenarios with powerful simulation capabilities.

Predictive AI: See how much change, in terms of business-critical indicators, your current infrastructure can support. Run artificial intelligence and machine learning (AI/ML)-powered what-if simulations using predicted business events (e.g., promotions, sales events, product launches, etc.) to evaluate the impact of these business events on IT resources.

Business service views: Get a consolidated summary of the overall health and status of the business services in your infrastructure. Drill down into specific business services and view the associated applications, service pools, or deployment details.

What-if simulations for cloud migrations and Kubernetes deployments: Eliminate costly surprises with automated migration simulation of applications, business services, and/or compute resources. Right-sizing for cloud and Kubernetes resources are provided, along with the associated cost comparisons, and predicted-instance performance leveraging SPECint performance benchmarks. Interactive charts let you view CPU, memory, and storage utilization and identify resource saturation.

Use cases

Capacity planning: Accurately forecast future resource needs to avoid performance bottlenecks and ensure service reliability.

Self-service capacity reports and dashboards: Free up capacity team's time to deliver new functionality and innovation for the business.

Cloud migration simulation: Avoid costly surprises and operational risks with what-if simulations for cloud migrations.

Hybrid cloud optimization: Optimize resource allocation across on-premises and cloud environments to maximize efficiency and reduce costs.

Kubernetes optimization: Optimize the utilization of Kubernetes clusters and containers to improve performance and reduce costs.

Predictive service management: Predict and plan for changes in demand with insights into service risk and efficiency.



FOR MORE INFORMATION

To learn more about BMC Helix Continuous Optimization, please visit bmc.com/optimize



Simulate migration of workloads to cloud.

About BMC Helix

BMC Helix, now an independent company, helps the world's most forward-thinking IT organizations turn AI into action – unlocking human potential to multiply productivity so teams can focus on the work that matters most. With an industry-leading, AI-powered, open platform, BMC Helix delivers a dynamic fleet of AI agents that augment work across enterprise IT service and operations management to anticipate needs, automate solutions, and accelerate outcomes for ServiceOps.

Turn AI into Action



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