

BMC TrueSight Capacity Optimization

BMC TrueSight Capacity Optimization helps companies remain cost effective while competing in the market. The solution provides capacity and cost visibility while minimizing business risks, supporting decision making on IT investments and enabling IT to be flexible and agile.

BUSINESS CHALLENGE

In today's digital world, business depends on IT. IT must provide support for business agility by delivering high-performing, quality services while reducing IT costs and business risks. BMC TrueSight Capacity Optimization helps IT align to business, leading to time- and cost-savings that enable IT innovation and transformation initiatives while maximizing business value.

TrueSight Capacity Optimization fully automates the capacity management and planning activities and the support for an integrated demand process. The solution provides capacity and cost visibility to all stakeholders and tenants, improving operational efficiency and promoting tighter process integration and cooperation between IT operations and applications teams.

THE BMC SOLUTION

BMC TrueSight Capacity Optimization is based on a scalable architecture that couples flexible data collection and integration capabilities with powerful analytics to provide automated, by-exception reporting, proactive notification of potential capacity shortages, and full visibility of IT infrastructure, from an intuitive, multi-tenant, role-based web interface.

TrueSight Capacity Optimization provides robust and flexible mechanisms to collect performance, capacity, and configuration data on any IT resource, including compute (both distributed and mainframe —physical, virtual, and cloud), database, storage, and network, as well as business key performance indicators (KPIs). TrueSight Capacity Optimization uses agent-less connectors based on Extract, Transform, and Load (ETL) technology to collect data from virtually any data source. Out-of-the-box connectors easily integrate data with BMC solutions and popular third-party management tools.

KEY BENEFITS

Enterprise-wide:

- Full visibility across all environments, including distributed and mainframe, physical, virtual, and cloud, compute, database, storage, networks, and more

Risk-aware:

- Safely plan by simulating IT changes, business growth, and future business demand to support business agility

Service-oriented:

- Integrates configuration items and relationships to technical business services to provide a service and business level perspective

Business-aligned:

- Correlate resource utilization metrics and business KPIs to align IT capacity to business demand

Automated:

- Automatically predict potential resource saturations and deliver notifications and exception-based reports

Cloud-enabled:

- Get full-stack capacity and cost visibility and optimize workload placement on cloud infrastructures

Additional connectors are available from BMC certified partners. Customers can also create custom connectors leveraging BMC provided templates.

TrueSight Capacity Optimization analytics support all capacity management and planning use cases and allow you to:

- Analyze resource utilization profiles (e.g., daily/weekly/monthly) to identify peak periods, business cycles, and periodic behaviors. This analysis establishes normal baselines and automatically identifies deviations and over-/under-utilized resources and then proactively notifies users (e.g. via reports or alerts).
- Predict potential resource saturations based on time forecasting algorithms (either manual or automatic, using the historical behavior of each metric) and automate the generation of by-exception reports and notifications.
- Predict how available capacity translates into the ability to support delivered services by correlating measured resource utilization (e.g., memory on a web front-end layer) with respect to business KPIs and by simulating how changes (e.g., adding more CPUs based on standard SPEC or custom benchmarks) may provide better support for expected business growth.
- Plan for new projects by selecting pools that provide adequate capacity and are compatible with defined placement rules (e.g., business-critical applications to be placed on a gold-level container); identify future needs for additional resources; see committed reservations in capacity views to provide correct capacity data to all users.

TrueSight Capacity Optimization provides many out-of-the-box best practice views for full capacity visibility. Create custom views directly from the user interface by simply adding drag & drop widgets from a catalog of different types of analysis and model charts. Generate on-demand or scheduled reports with a simple click: custom or template displays are available in PDF, HTML, RTF, and PPT formats.



↑ The Capacity Pool view shows the level of usage, risk, and efficiency for all defined aggregated resources

DATA COLLECTION

Out-of-the-box connectors:

- BMC TrueSight Operations Management
- BMC Atrium CMDB
- BMC Application Discovery and Dependency Mapping
- BMC Cloud Lifecycle Management
- OpenStack Nova
- VMware vCenter
- Citrix Xen Server
- RedHat Enterprise Virtualization (RHEV)
- Oracle Enterprise Manager (OEM)

Add-on (3rd party) connectors:

- IBM Tivoli Monitoring
- HP Reporter
- HP uCMDB
- HP BAC
- HP SiteScope
- MS SCOM DW
- Splunk Enterprise
- Entuity
- EMC SMI-S
- NetApp Data ONTAP
- Hitachi Device Manager
- Dell Compellent Enterprise Manager

Agents:

- Windows
- AIX
- Solaris
- HP-UX
- vSphere
- RedHat Enterprise Linux (RHEL)
- SuSE Linux Enterprise Server
- Hyper-V
- Xen
- KVM
- Ubuntu

FOR MORE INFORMATION

To learn more about BMC TrueSight Capacity Optimization, please visit www.bmc.com/it-solutions/capacity-optimization.html

BMC delivers software solutions that help IT transform digital enterprises for the ultimate competitive business advantage. We have worked with thousands of leading companies to create and deliver powerful IT management services. From mainframe to cloud to mobile, we pair high-speed digital innovation with robust IT industrialization—allowing our customers to provide amazing user experiences with optimized IT performance, cost, compliance, and productivity. We believe that technology is the heart of every business, and that IT drives business to the digital age.

BMC – Bring IT to Life.



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