



BMC IT Data Analytics

Unravel the data sprawl. Automate IT data collection and analysis to resolve problems faster, avoid outages and improve quality of service while driving IT productivity

Business Challenge

The business world is overrun with technologies, such as cloud, mobility, Bring Your Own Device (BYOD) and the Internet-of-Things, making rapid problem resolution and root cause analysis (RCA) challenging. IT must digest the scores of data produced by all the devices in the data center: complete records of user behavior, application behavior, machine behavior and user transactions. IT must analyze this growing set of data to identify and resolve problems. Insights buried within that data can help improve service levels. However, the massive scale and variety of data make it difficult to capture, correlate and analyze.

Many businesses lack the proper tools to tap into those valuable but ultra-large data sets, which inexorably leads to longer time to identify root causes and escalated downtimes, inefficient use of IT resources and higher costs. Overall, the inability to process and analyze sprawling data negatively impacts operational efficiency.

THE BMC SOLUTION

IT Data Analytics is specifically designed for IT operations and is an integral part of BMC TrueSight Operations Management. IT Data Analytics eliminates the repetitive, mundane and time-intensive tasks of logging into individual servers, collecting logs and manually correlating data from disparate sources. It provides an easy-to-deploy-and-use, extensible and scalable solution that facilitates efficient and comprehensive analysis of machine data in real time.

BMC IT DATA ANALYTICS: Combines the tightly integrated monitoring, event and service-impact management components of TrueSight Operations Management while correlating all IT operations data (e.g., metrics, event and log data) and sharing and maintaining context for effective IT operations workflow. In addition, BMC IT Data Analytics utilizes existing TrueSight agent infrastructure: a single agent for log and monitoring data, along with centralized administration to drastically lower TCO.

KEY BENEFITS

BMC IT Data Analytics provides significant benefits and return on investment (ROI)

- Achieve higher service availability
- Improve mean-time-to-resolution by significantly reducing troubleshooting times
- Increase operational efficiency by reducing manual effort
- Use intuitive search functionality to improve staff productivity and achieve service excellence
- Take advantage of seamless user experience within TrueSight Operations Management solution
- Lower operating expenses with unified monitoring and analytics agent
- Take advantage of a predictable pricing model that includes unlimited data volume

As a result, IT Data Analytics significantly enhances proactive monitoring and problem identification, reduces mean time to resolution (MTTR) and improves quality of service. Moreover, the solution increases IT staff efficiency by reducing manual labor—freeing up time and resources.

IT Data Analytics enhances TrueSight Operations Management to deliver on the promise of end-to-end IT Operations Analytics.

BMC IT DATA ANALYTICS INCLUDE THE FOLLOWING KEY CAPABILITIES:

- Automated Cross-Domain Collection offers continuous and real-time collection of all relevant data
- Automates collection of log and other machine data (e.g., events, anomalies and change records) with agent and agentless collection
- Facilitates rapid deployment with policy-based configuration using collection profiles for log files
- Provides a single mechanism and repository to consolidate and connect data from all tiers (e.g., OS, applications, storage, network devices and machine generated anomalies) for enterprise-wide visibility

INTELLIGENT DATA PROCESSING PREPARES DATA TO FACILITATE SEARCH AND ANALYSIS:

- Inspects incoming data, adds structure and extracts knowledge relevant to user, application and machine behavior, enabling immediate data use without prior knowledge of data taxonomy
- Handles wide variety of data by providing out-of-the-box (OOTB) log patterns
- Annotates data with additional knowledge via tags to increase search and analysis effectiveness
- Correlates large volumes of information from disparate sources arriving at high velocity

INTUITIVE SEARCH AND ANALYSIS ENABLE SEARCHES TO BE PERFORMED IN MINUTES, NOT HOURS OR DAYS:

- Searches for anomalies and trends in disparate data sources, silos of machines, tiers or applications
- Offers intuitive graphical user interface (GUI) for faster searches
- Provides intuitive search and analysis query language to gain valuable insight without prior knowledge of the data
- Facilitates visual analysis and correlation for patterns, trends, spikes and detection of anomalies
- Saves and schedules queries for proactive detection of patterns and event generation
- Facilitates dissemination of domain knowledge by sharing meaningful queries with administrators and network operations center (NOC) operators
- Tracks activities during a troubleshooting session, saves those as workspaces, annotates them with additional notes and content and quickly generates reusable best-practice workflows

TECHNICAL SPECIFICATIONS

System Requirements Compute

- Minimum : 2 cores, 4G mem
- Recommended: 8 cores, 16GB mem

Storage

- Depends on data and retention policy

Supported environments

ITDA Server: OS Support:

- Windows Server 2008 R2 (x86-64)
- Windows Server 2012 (x86-64)
- Red Hat Linux 6.4 (x86-64)

[See sizing documentation on details for scaling](#)

ITDA provides flexible data collection mechanism with both local agent based collection and various remote collection protocols

IT DATA ANALYTICS CONTENT PACKS:

- IT Data Analytics provides facilities to capture application domain knowledge and best practices in the form of Content Packs, which allow users to create, reuse and share content within the organization and/or the broader BMC community.
- BMC has been delivering monitoring content for over 20 years and is applying that expertise to deliver IT Data Analytics Content Packs for industry-standard platforms.

HORIZONTAL SCALABILITY ARCHITECTED TO SCALE OUT HORIZONTALLY WITH THE GROWING BUSINESS NEEDS:

- Start small (lower upfront investment) on a commodity Microsoft® Windows® or Linux® server and add more servers to scale out at the right time and for the right components.

FOR MORE INFORMATION

To learn more about BMC IT Data Analytics, please visit www.bmc.com/it-solutions/proactivenet-performance-management.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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