MAINFRAME OPTIMIZATION MADE SMARTER: AIOPS + DATAOPS WITH BMC AMI



Today's mainframe teams face a perfect storm of mounting complexity, rising cost pressures, and a shrinking pool of experienced practitioners. Legacy monitoring tools and manual tuning practices simply can't keep up. To stay resilient, high-performant and cost-effective, enterprises need a smarter approach to operations and data performance.

That's where the combination of BMC AMI Ops and BMC AMI Data come in. Together, they bring AI-driven observability, automation, and intelligent SQL optimization into one powerful strategy—closing the loop between detection, diagnosis, and resolution.

This blog expands on key themes from a recent BMC AMI Tech Talk webinar led by Gilles Robert and Chad Reiber, who explored how BMC AMI Ops and BMC AMI Data work better together to modernize mainframe operations. In the webinar, Optimizing Mainframe Systems with BMC AMI Ops & BMC AMI Data, they shared expert insights, real-world examples, and live demos of these solutions in action. If you're looking to go deeper, don't miss their excellent session.

Unified intelligence: From detection to action

When systems slow down or fail, every second counts. With BMC AMI Ops Insight, teams get hybrid AI anomaly detection that understands system behavior and reduces alert noise. It doesn't just react—it analyzes behavior across multiple KPIs and LPARs, suppressing false positives and proactively surfacing what matters most.

Meanwhile, BMC AMI SQL Performance for Db2 offers SQL visibility that identifies root causes and

flags regressions before they impact production. These proactive insights help teams catch anomalies early—before they cause user-impacting problems.

Working together, BMC AMI Ops and BMC AMI Data enable faster, smarter resolution—catching issues earlier and helping teams proactively act with confidence.

Visual intelligence: Dashboards that drive decisions

Gone are the days of staring at green screens. BMC AMI Ops Monitor for z/OS and BMC AMI Command Center for Db2 deliver a modern user experience (UX), with intuitive dashboards that enable users of all experience levels to trace anomalies with cascading timelines—like a digital diagnosis—to pinpoint root causes.

Single-click analysis reveals the issue, no more scripting or digging through logs. These intuitive capabilities unify data and operations views, enabling collaboration between infrastructure and database teams. They also support self-service access not only for DBAs, but even for developers. BMC AMI Ops also integrates with enterprise observability platforms, like Splunk and Grafana, making it easier to extend insight across your IT stack.

Automation that scales across ops and data

Root-cause detection is only the beginning. BMC AMI Ops Automation and BMC AMI DevOps for Db2 can act automatically. Whether it's isolating a failing job, deploying a SQL fix, or suppressing future alerts, automation is driven by policy and context.

Generative artificial intelligence (GenAI) capabilities, powered by BMC AMI Assistant, deliver plain-language guidance to help bridge skills gaps. BMC AMI SQL Assurance for Db2 validates SQL performance early in CI/CD pipelines, supporting shift-left testing and modern DevOps workflows. The result? Closed-loop remediation that reduces manual toil and accelerates delivery.

Advisors that actually advise

Optimizing performance isn't about gut instinct—it's about data. BMC AMI SQL Performance for Db2, BMC AMI Reorg Advisor for Db2, and BMC AMI Utility Manager for Db2 offer actionable insights for indexing, reorgs, and workload changes.

The Workload Compare Advisor in BMC AMI SQL Performance for Db2 flags outliers and performance regressions by comparing real-time performance against historical baselines—helping you catch subtle trends before they become big problems.

Efficiency that pays off

Performance tuning isn't just about speed—it's about saving money. By combining BMC AMI Ops and BMC AMI Data solutions, teams can correlate subsystem activity with SQL behavior to identify what's really driving CPU or zIIP costs.

BMC AMI Utility Manager for Db2, part of the BMC AMI Database Performance for Db2 solution, enables teams to focus on high-impact maintenance with automated task selection, while BMC AMI Ops Insight uncovers resource-heavy anomalies, improving processing efficiency, which may even help delay the need for expensive infrastructure upgrades. Faster onboarding and reduced manual

effort make everything run smoother.

Dillard's: Real results from unified ops + data

Retail giant Dillard's highlights these benefits in action. Leveraging BMC AMI SQL Performance for Db2, BMC AMI Apptune for Db2, and BMC AMI Ops Monitor for CICS, the Dillard's team saw real-world and immediate value:

- 35% reduction in CPU utilization
- 90% reduction in MIPS for a critical application
- Faster performance issue detection with Db2 and CICS monitoring
- Avoided costly infrastructure upgrades
- Improved customer experience across 330+ retail stores

Better together impact: BMC's integrated observability and data optimization helped Dillard's detect issues proactively, prioritize workloads, and empower their teams—all while enhancing service quality across hundreds of locations. Read the full case study to learn more.

Final thoughts: A smarter approach to mainframe resilience

Mainframe modernization isn't just about new tools—it's about outcomes. With BMC AMI Ops and BMC AMI Data, you get the benefits of AIOps and DataOps in one integrated strategy.

From anomaly detection and predictive insights to automated response, SQL tuning, and resource efficiency, these solutions empower experts and new team members alike. They help bridge the mainframe skills gap, speed onboarding, and unify cross-functional teams to work smarter together.

And with capabilities like faster recovery, streamlined change management, and alignment with broader observability platforms, BMC AMI makes mainframe optimization not just smarter, but faster and more resilient.

Watch the on-demand Tech Talk webinar, Optimizing Mainframe Systems with BMC AMI Ops & BMC AMI Data, to learn more.