

Data-Driven Mainframe Optimisation and Modernisation



Powered by SMT Data and Triton Consulting

Most enterprises know their mainframe inside out.

What they don't always know is why it's costing more than it should or where the next outage is coming from.

SMT Data's analytics platform transforms Db2 and mainframe operational data into something teams can actually act on.

Triton takes it from there, turning that data into architecture improvements, performance fixes, and modernisation plans.



The Challenge

Mainframes remain at the heart of enterprise operations, but keeping them running efficiently is getting harder.

- **Cost and Resource Management:** Inefficient queries, poorly optimised workloads, or excessive CPU consumption can quietly drive-up system utilisation and operational spending.
- **Performance Tuning:** Getting the best out of buffer pools, indexing strategies, access paths, and workload management takes real care. Small configuration issues can have an outsized impact at scale.
- **Hybrid Architecture Complexity:** Db2 for z/OS environments increasingly talk to distributed systems, APIs, and cloud platforms, bringing new challenges around connectivity, data movement, and latency.



SMT Data: Making Mainframe Data Useful

SMT Data provides analytics and operational intelligence for Db2 and mainframe environments, helping enterprises improve performance, resilience, and cost control.

Their ITBI™ platform delivers:

- **Availability & Resilience Monitoring:** Continuously analyse SMF and system metrics to surface instability patterns, recovery risks, and hidden exposure areas before they cause problems.
- **Db2 Data Sharing Visibility:** See exactly what's happening across subsystems and data sharing groups, workload distribution, contention, response times and how it affects business services.
- **Mainframe-Wide Performance Analysis:** Go beyond Db2 to spot bottlenecks, inefficient resource usage, and optimisation opportunities across LPARs and workloads.
- **Fast to Deploy:** Fully hosted SaaS, ISO/IEC 27001 and SOC 2 Type II certified.



Key Benefits

Teams get a clear picture of what's happening across their Db2 and mainframe estate without needing to throw more internal resources at it.



Triton Consulting: Hybrid Data Management & Digital Transformation

Triton Consulting is an independent data management and digital transformation specialist with over 30 years of mainframe experience. The team includes some of the world's most qualified Db2 specialists, including multiple IBM Gold Consultants and IBM Data and AI Champions.

Triton works across the full Db2 ecosystem, covering everything from consultancy and DevOps to platform modernisation. Their consultants also bring expertise in solution architecture, performance tuning, technical planning, systems programming, and senior project management.



Key Benefits

Triton helps you make sense of your performance data, turning it into something useful. That means concrete recommendations, resilience and availability improvements, and proper root cause analysis when things go wrong.



SMT Data + Triton

Triton provides the advisory, architecture, and implementation expertise. SMT Data provides continuous performance monitoring across Db2 and mainframe environments.

Together, they cover the full picture.

- **Complex mainframe performance data** becomes something teams can act on, guiding modernisation and optimisation decisions with confidence.
- **SMT Data's analytics** are integrated quickly into client environments, so diagnosis of performance and resilience issues doesn't wait.
- **Proactive monitoring** means instability risks get flagged early, before they become incidents.
- **Organisations can reduce** unnecessary mainframe resource consumption without compromising service quality.
- **Mainframe systems** stay operational and optimised within modern, API-driven and hybrid cloud environments.



Outcome

Better performance, lower costs, and a more resilient mainframe estate without adding operational complexity.



Use Cases

- **Performance Optimisation:** Identify bottlenecks and inefficient workloads across Db2 and the wider mainframe. SMT Data handles the analysis; Triton handles the fixes.
- **Resilience & Availability Monitoring:** Catch instability patterns before they affect business services. SMT Data surfaces the signals; Triton works out what to do about them.
- **Db2 Data Sharing Visibility:** Understand how data sharing behaviour is affecting your applications and what to change.



Cost Optimisation

Find where resources are being wasted. SMT Data identifies the CPU-heavy workloads and inefficiencies; Triton optimises the configuration.



Conclusion

Mainframe environments are complex. Managing performance, cost, and modernisation across hybrid architectures takes both the right data and the right expertise. SMT Data and Triton bring both.

The result is a practical, scalable approach to keeping critical mainframe platforms performing well, running reliably, and ready for what comes next.

Want to Learn More?

Contact us to arrange a joint solution briefing or operational assessment.



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