

ACCELERATE

Action Vector™

Record-Shattering Analytics Database Performance



Accelerate BI with the Fastest Analytics Database

Action Vector™ is a revolutionary analytics database that delivers unmatched performance and price/performance – yet requires less hardware and virtually no database tuning. Give Business Intelligence (BI) users what they want – faster answers.



Record-Breaking Analytic Performance

Action Vector leverages vector technology to unlock hidden performance features in your existing hardware. Action Vector™ lead the industry in performance, price/performance and energy efficiency – breaking these benchmarks by the largest margins ever recorded.

Deliver Faster Reporting and Analytics

Deliver faster insight – reduce query response times to seconds, not minutes or hours

Analyze more data faster – allow users to explore billions of rows of data in seconds

More concurrent users – enable more concurrent BI users to explore more data faster

More complex analytic workloads – make complex queries run faster by comparison

Unmatched Price-Performance

Action Vector™ unlocks performance features in modern CPUs, allowing you to get faster insight from your data with less hardware costs and less effort.

Spend less on infrastructure

Achieve faster and more scalable performance with less hardware. Buy fewer cores and less RAM.

Spend less supporting BI

Remove complexity, save time and spend less on IT maintenance for BI projects. Focus on adding value to the business instead.

Fastest TPC-H Benchmark

QphH@1TB non-clustered

Source: www.tpc.org / Jan 1, 2014

Vector™

1 June 2012

32 Cores
768GB RAM

Oracle

3 June 2011

60 Cores
512GB RAM

209,534
QphH

\$2,420,706

SQL Server

30 Aug 2011

80 Cores
2TB RAM

219,888
QphH

\$460,869

445,529
QphH

\$57,146

Hardware Costs (Excluding Discounts)



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Generational Leap in Analytic Performance

Action Vector™ is ideal for making business intelligence, reporting and analysis because it gives end-users what they really want – fast answers. Vector was designed from the ground up to remove the performance bottlenecks found in relational databases. Rather than database tuning, performance is achieved by unlocking performance features on commodity hardware.

Vector processing – single instruction performed on sets of data

Column-based storage – minimize disk I/O by accessing only relevant data

On-chip cache computing – 100x faster data processing on chip cache than in RAM

Smarter compression – compression performed inside CPU for maximum throughput

Parallel execution – process data in parallel using any number of CPU cores



Make Big Data Analytics Faster and Easier

Deploy analytics projects faster – without risky, complex and costly data warehouse projects. Vector makes performance so fast, you can get started sooner without OLAP cubes, schemas and complex builds of aggregations. Give users faster and deeper insight and reduce analytic workloads.

Take Action on Big Data

Action Vector™ is available for Linux and Windows, and getting started is easy. Connect using JDBC, ODBC, .NET, the Vector bulk loader, or the Vector Hadoop Connector. Connect to your preferred BI front-end application and query your data using industry standard SQL.



Action transforms big data into business value for any organization – not just the privileged few. Our next-generation Action Analytics Platform software delivers extreme performance, scalability, and agility on off-the-shelf hardware, overcoming key technical and economic barriers to broaden adoption of big data, delivering Big Data for the Rest of Us™. Action also makes Hadoop enterprise-grade by providing high-performance ELT, visual design and SQL analytics on Hadoop without the need for MapReduce skills.

