

Action Analytics Database – Vector

Key benefits

Extreme performance

Run complex queries against billions of records in just seconds

Extreme scalability

Deploy BI projects faster without risky, complex, and costly data warehouse projects

Extreme value

Half the cores, one-quarter of the cost, twice the performance of traditional solutions

Accelerate business intelligence

Action is revolutionizing Big Data analytics with Action Vector, the industry's price-performance leader among analytics database solutions. Extreme performance is achieved on commodity hardware, with little to no database tuning. With Action Vector, analytics are more accessible to Business Intelligence (BI) users, data aggregators and providers, social media and online gaming developers, and others who need answers fast.

Deliver faster reporting and analytics

Deliver faster insight – reduce response times, for ad hoc queries, from hours to just seconds

Analyze more data faster – look at enterprise data combined with big data streaming from apps and devices

Support more concurrent users – let more BI users explore more data faster

More complex analytic workloads – work with behavioral data, try new techniques like micro-segmentation and precision target marketing

Record-breaking analytic performance

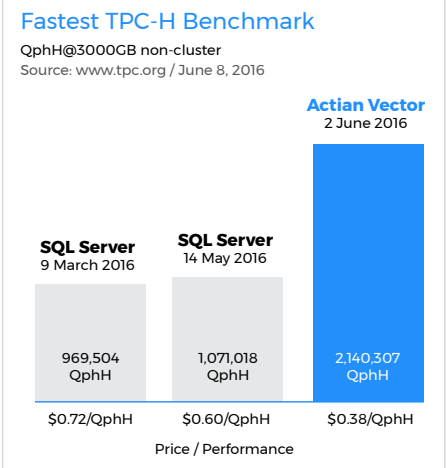
Action Vector leverages patent-pending vector processing technology to unlock hidden performance features in your existing hardware. In terms of performance, value, and energy efficiency, Action Vector has surpassed industry benchmarks by the largest margins ever recorded.

Spend less on infrastructure and BI support

With the rise of Big Data 2.0, it is more important than ever to reduce the complexity, time, and cost of IT maintenance for BI projects. Action Vector lets you scale analytics and maintain high performance with fewer cores and less RAM than traditional solutions require. Focus on extending more analytics capabilities and value to your business instead.

Generational leap in analytics performance

Action Vector is ideal for BI,



reporting, and analysis because it accelerates time to insight. Vector is designed from the ground up to remove the performance bottlenecks so often encountered when using relational databases. Rather than burdening database administrators with extensive or ongoing database tuning, performance is achieved by unlocking features already available in modern CPUs.

Vector processing - a patent-pending Actian technology whereby a single instruction can be performed across data sets

Column-based storage - disk I/O is minimized by accessing only relevant data

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

Smarter compression - compression is performed inside the CPU for maximum throughput

Parallel execution - data is processed in parallel using any number of CPU cores

Make Big Data analytics faster and easier

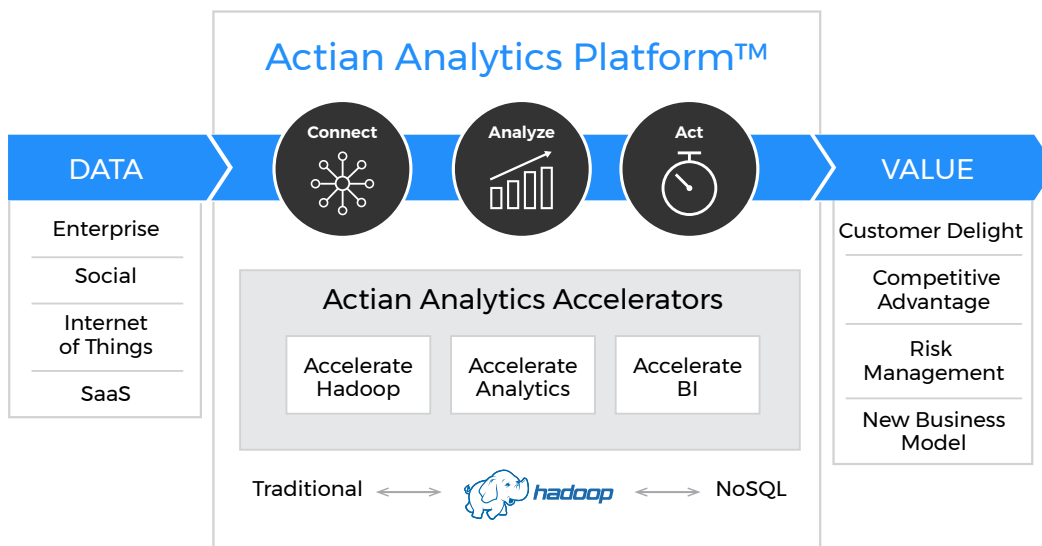
Deploy analytics projects faster while eliminating the risk and cost typical of complex data warehouse projects. Vector makes performance fast, so you can get started sooner without the need for OLAP cubes, schemas, and complex builds of aggregations. Give users faster and deeper insight and reduce analytic workloads.

Take action on Big Data

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

Turn Hadoop into highest performing SQL engine

Actian is revolutionizing big data analytics with Actian Vector in Hadoop, the world's fastest, most enterprise-grade massively parallel processing (MPP) SQL query engine built to run natively in Hadoop. Don't be fooled by imitators who claim native SQL in Hadoop support—most have immature SQL support or require you to move the data out of Hadoop. Only Actian Vector combines the most modern, scalable, high-performing database technology with the power of Hadoop, thereby enabling users to directly query data stored in HDFS.



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