actian®

Enterprise-grade features like security and full SQL support that promote broad adoption and accelerate ROI

Atom-smashing performance that delivers unbridled processing power in Hadoop

Open, collaborative architecture that doesn't lock you into single vendors

Actian Vortex
High Performance Analytics at Scale in Hadoop

Actian Vortex – Your key to unlocking maximum value from Hadoop

Whether your organization is thinking about Hadoop, experimenting with pilot projects or well underway in production, one thing is for sure: Hadoop has changed the way we think about delivering business value with analytics. Yet turning Hadoop into a high performance analytics platform requires a specific set of capabilities. Without them, you run into issues with performance, accessibility and scalability. Actian Vortex is the only analytics platform with the set of capabilities needed to maximize value from Hadoop.

Elastic Data Preparation
Bring in *all* of your data for fast ingestion and preparation with increased accuracy
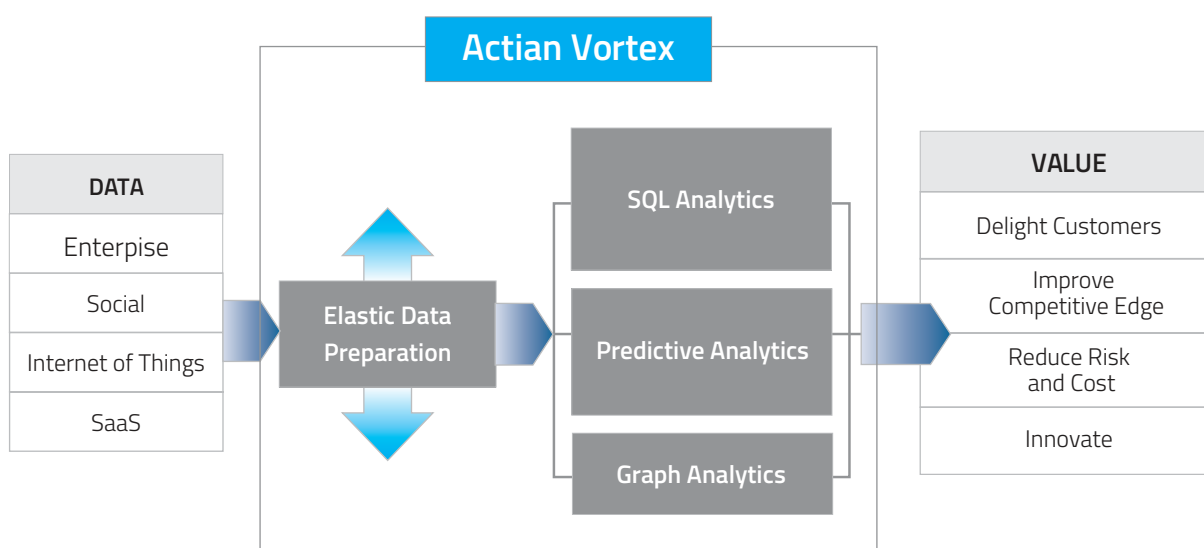
SQL Analytics
Use your existing SQL skills, applications and tools in Hadoop with fully industrialized SQL support

Predictive Analytics
Uncover trends and patterns through advanced analytics natively in Hadoop

Graph Analytics
Discover the "unknown unknowns" with a new type of analytics that gives insight into highly connected data

Actian Vortex

DATA		VALUE
Enterpise	SQL Analytics	Delight Customers
Social		Improve Competitive Edge
Internet of Things	Predictive Analytics	Reduce Risk and Cost
SaaS	Graph Analytics	Innovate

Elastic Data Preparation

Actian DataFlow allows you to bring in all of your data for more accurate results, with blazingly fast analytic engines and ingestion technology.

Elastic Data Preparation with Actian DataFlow

If you want to spend less time preparing data and more time analyzing it, Actian Vortex is for you. Actian DataFlow works with all your data, regardless of type and source, to deliver data preparation at scale. A highly parallel analytics engine that runs natively in Hadoop, DataFlow is the fastest way to ingest, blend, enrich and transform big data. Dynamically add, modify, or remove data flows and spin up nodes as needed while the system is up and processing data.

Breakthrough Performance

Bypass the need for intermediate HDFS files with tightly integrated, binary to binary ingestion. Ingest data regardless of where it resides with edge-to-engine high speed parallel ingestion.

IT-Free and Easy to Use

Free yourself from IT and programming dependencies by leveraging the drag-and-drop analytics workbench.

Open Architecture

Run analytics on your data without having to move it. Query native Hadoop file formats directly with an open API architecture.

Actian Vector in Hadoop
gives you the highest performing and most industrialized SQL analytics.

SQL Analytics with Actian Vector in Hadoop

Hadoop is widely accepted as a game-changing technology, as organizations have begun to understand the true business value it holds. Yet getting to that business value requires overcoming obstacles: lack of specialized skills, inability to integrate with existing investments such as BI tools, and performance that is too slow when business decisions are on the line. As a result, SQL solutions have emerged that attempt to offer an alternative in the form of the world's most popular data querying language.

Not all SQL on Hadoop solutions are created equal, however. You need something that is fast, open and enterprise-grade. Actian Vector in Hadoop delivers all three.

Fast

Highly Performant – run your queries 30x faster than other SQL on Hadoop offerings

Trickle updates natively in Hadoop – Insert, update and delete individual records in real time

Highest Concurrency – run simultaneous tasks and users without long wait times

Mature, proven planner and fastest optimizer – maximize your nodes, CPU, memory and cache

YARN certified – manage Hadoop resources automatically to prevent inefficiencies

Open

Collaborative architecture – query native Hadoop file formats without having to ingest

Open APIs – seamlessly access Actian file formats and get full compatibility with third-party enterprise applications and BI tools

Hadoop agnostic – avoid vendor lock-in and grow with flexibility

Enterprise-Grade

Full ANSI SQL 92 support – enables you to use ALL of your BI tools and applications

Full ACID compliance – gain transactional integrity in Hadoop with full read/write and update support

Native DBMS security – get authentication, user and role-based security, data protection, and encryption

Massive scalability – future-proof your business as your data grows

Actian DataFlow
accelerates predictive analytics natively in Hadoop.

Predictive Analytics with Actian DataFlow

SQL analytics may be the most widely used analytics in your organization, but predictive analytics can be a great supplement. Most used for modeling and discovery, when applied to Hadoop you can get rich, deep insights that inform your actions and transform your business. Actian DataFlow comes with a set of hyper-parallelized analytics operators in Hadoop that allows you to run predictive analytics quickly and directly on Hadoop clusters, using all of your data. The ability to bring the analytics to the Hadoop data optimizes performance and eliminates the need for aggregation. This gives you new levels of granularity in your insights and the ability to find patterns, trends and outliers quickly and accurately.

The easy-to-use visual analytics workbench contains built-in analytics blueprints. Leverage pre-built workflows based on proven methodologies so you can design, test and deploy your workflows quickly and easily.

Increased Accuracy

Run advanced analytics on all your data rather than 2% samples and get more accurate results.

Easy to Use

Jump start your predictive analytics journey with pre-built analytics blueprints and a visual, drag & drop workbench.

High performance

Bring the analytics to the data without having to move it for maximum performance.

SPARQLverse allows you to discover patterns and analyze relationships in associations of data.

Graph Analytics with SPARQLverse

Just as big data continues to evolve, new types of analytics constantly arise. Graph analytics is an area that holds significant power and intrigue for many organizations today. Graph analytics allow you to analyze and map relationships of high volume, highly connected data. Analyze cause and effect, uncover sources of influence and understand how various pieces of data relate.

This relatively new form of analysis allows for new questions and even more accurate outcomes. Part of Actian Vortex, SPARQLverse is a Hadoop-based analytic engine for richly connected data, based on international standards including the SPARQL language, which is similar to SQL.

Flexibility

Easily integrate new data and leverage schema on demand, in the data.

Scalability & Performance

Get fast performance with a shared nothing (SN) design that leverages relational development expertise.

New Analytic Possibilities

Leverage more data and query entire data sets and run more sophisticated algorithms without the complexity of creating them.

Try it today for free.

Visit http://bigdata.actian.com/sql-in-hadoop to download your free version of Actian Vortex and analyze up to 500GB of Hadoop data using your existing SQL tools and resources.

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