

RYFT ONE



Speed and streamline hybrid and on-premises big data ecosystems with the world's first 1U heterogeneous compute accelerator

FASTER INSIGHTS = SMARTER BUSINESS

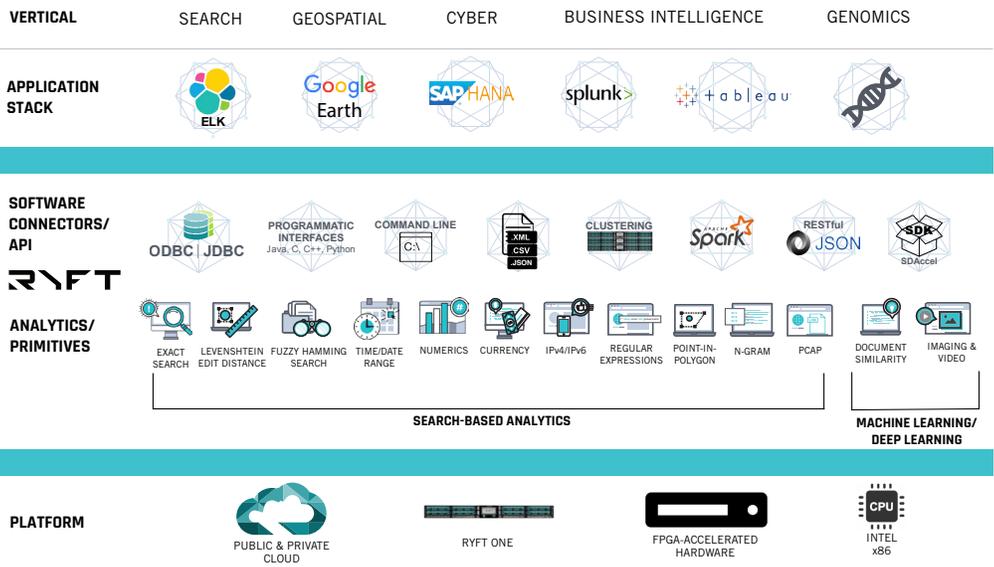
The Ryft ONE is the first accelerator to harness the power of heterogeneous compute-accelerated technologies—without the steep learning curve—to accelerate and extend business analytics application performance by eliminating data indexing and transformation latency. Using less power than a hair dryer, the Ryft ONE accelerates and streamlines existing big data ecosystems by 200X.

Legacy architectures render big data useless. Pervasive data preparation, sequential processing and other analytics infrastructure bottlenecks exist because these systems were never architected to deliver instant, accurate insights. The Ryft ONE supercharges data analysis by eliminating bottlenecks that strangle conventional data analysis systems. With Ryft, you can find and act on insights from massive quantities of data in real time with breakthrough speed—all while replacing hundreds of high-end servers and slashing operational costs by 70%.



Ryft delivers real-time big data insights to:

- Turn big data into small data by storing, analyzing and thinning streaming and batch data in real time
- Mine both structured and unstructured data simultaneously at speeds of 10 GB/second or more per node
- Unlock optimal speed from existing x86/GPU/FPGA compute architectures
- Amplify existing cloud-based virtual machines by reducing network load and speeding legacy analytics
- Get more accurate and actionable insight with significantly enhanced fuzzy Hamming and Levenshtein (Edit Distance) search as well as PCRE2 Regular Expression capabilities



“Ryft is offering a solution that can address two problems at once: near-real-time analysis and reducing the amount of data that flows from remote collection devices.” — Gartner Cool Vendors in DBMS 2016

BENCHMARKS: RYFT OUTPERFORMS HIGH PERFORMANCE CPU-BASED CLUSTERS BY 200X

Competitive benchmarks prove Ryft outperforms Amazon Web Service's fastest CPU-based clusters to speed insights into massive quantities of any type or format of data with no indexing, transformation or curation required. By delivering groundbreaking performance in a small, high-efficiency 1U form factor, Ryft reduces maintenance and operational costs associated with server maintenance, energy use, rack space, top-of-rack routers and cabling.

RYFT ONE FEATURES

- **Real-Time Analytics Performance:** Delivers real-time insights into both streaming and batch data with no indexing, transformation or curation at 10 GB/second per 1U accelerator.
- **Cluster Management:** Easy-to-manage and versatile Ryft Cluster architecture scales storage and performance linearly for Terabyte- and Petabyte-size workloads while ensuring high availability.
- **Data Agnostic:** Allows analysis of any structured, unstructured and semi-structured data—including text, video and image, as well as JSON, XML and more formats—together to unlock new levels of visibility.
- **Algorithm Agnostic:** Growing library of algorithmic primitives supports any popular programming language—Java, Python, C/C++, R, Scala, shell scripting and others.
- **Native Integration:** Each Ryft ONE features an open Library of Connectors for native integration with popular products like Apache Spark, ODBC, JDBC and others.
- **Enterprise-Grade Security:** Built for large enterprise applications with security and scalability in mind. Analyzes AES-256 encrypted data without added latency to avoid compromising security and performance.
- **Compact:** Ultra-efficient 1U rack-mountable appliance has 1/10/40 GbE and InfiniBand network interfaces.

DEPLOY IN MINUTES, MAKE AN IMPACT IN SECONDS

Offered as an on-premises or edge solution, the Ryft ONE can be deployed in a matter of minutes. Getting started is as easy as loading your data and executing requests via command line, programmatically or via open connectors to standard or your own business tools.



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2015 Technology Innovation Award
WINNER



“Organizations ingesting large amounts of data, either currently or in future plans, should evaluate Ryft’s solution.”

— Gartner Cool Vendors in DBMS 2016

ABOUT RYFT SYSTEMS, INC.

Connect with your data and speed critical decisions with Ryft. Whether it's the latest innovations in machine learning or in real-time search and analysis, Ryft brings together comprehensive, fast analytics requiring no indexing, flexible deployment models and proven ease-of-use to help you understand and act on your data immediately for favorable business outcomes. Today, industry leaders rely on Ryft to deliver fast and actionable insights from all their data.

FOR MORE INFORMATION

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