

CIO Review

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20 Most Promising Database Technology Solution Providers 2015

With the humungous amounts of data flowing in from all the directions, the organizations today are striving to manage and process large amounts of information in real time. Especially in a scenario where the businesses are driven by mobile applications, modern enterprises rely on database technologies to underpin the applications to make them cost-effective, scalable, and continuously available. From the point of collection of data to the point of delivering appropriate information, executives pay keen attention at each stage of database management system. Extending its arms to support modern enterprises to effectively manage their databases, the database technology solution providers are relying on the latest trends in database such as Big Data, NoSQL databases, SSDs, in-memory, and columnar technologies that manifest agility and speed of deployment.

An effective management of database helps organizations

to provide the ideal solution to the clients. It also empowers businesses to resolve operational problems, take wise decisions, and formulate future strategies.

In this edition of CIO Review, we bring to you “20 Most Promising Database Solution Providers 2015,” featuring the best solution and service providers offering technologies and services related to database. The companies listed here showcase extensive business knowledge and innovative strategies combined with talent base across locations.

A distinguished panel comprising of CEOs, CIOs, VCs, analysts including CIO Review editorial board has selected the top players from over three hundred companies. The listing provides a look into how database solutions work in the real world to help organizations understand what technologies are available, which is right for them, and how they shape up against the competition.



Company:

Franz Inc.

Description:

Leading supplier of Semantic Graph database technology

Key Person:

Dr. Jans Aasman, President & CEO

Website:

www.allegrograph.com

Franz Inc. Making Complex Data Meaningful with Semantic Graph Analytics

In today's data-driven environments, the ability to analyze data from diverse sources is becoming a top priority for every CIO. Organizations in a myriad of industries including healthcare, intelligence/defense, life sciences and financial services need to quickly analyze streams of structured and unstructured data from heterogeneous sources to effectively compete and make informed decisions. However, traditional relational database technology is inadequate for today's complex analytics requirements.

In a May 2015 report Forrester Research stated, “Graph databases are a powerful optimized technology that link billions of pieces of connected data to help create new sources of value for customers and increase operational agility for customer service. Because graph databases track connections among entities and offer links to get more detailed information, they are well-suited for scenarios in which relationships are important, such as cybersecurity, social network analysis, eCommerce recommendations, dependence analysis, and predictive analytics.”

Gartner agrees, “Graph analysis is possibly the most effective competitive differentiator for organizations pursuing data-driven operations and decisions.”

Franz stands apart from other Graph database vendors by offering Semantic Graph database technology based on RDF, a W3C standard model for data interchange on the Web. The company's flagship product, AllegroGraph, is a high-performance Semantic Graph database that processes data with contextual and conceptual intelligence to perform queries of unprecedented complexity and support predictive analytics that help companies make better, real-time decisions.

“Unlike relational databases, AllegroGraph provides the unique ability to infer or understand the meaning of information and link new information automatically, without manual user intervention, coding or the database being explicitly pre-structured,” said Dr. Jans Aasman, CEO of Franz, Inc.

Another industry-first for AllegroGraph is its ability to support analysis across N-dimensions—any conceivable measurement of an object, property, or operation. Furthermore, AllegroGraph extends the benefit of Artificial Intelligence via Prolog, which empowers developers to write rule systems and other complex AI applications.

For instance, Haystax Technologies leverages Franz's Semantic Graph technology to develop analytics applications for continuous risk monitoring of insider threats. Analysis is based

“We provide powerful solutions to complex data challenges through the advanced capabilities of our Semantic Data Lake platform

on the fusion of high and low frequency entity-related events via temporal relevance models and a probabilistic risk model. As a result, Haystax's solutions have become advanced in identifying the types of risks and the impact of the actions that individuals pose to an organization.

As ‘Data Lakes’ have become one of the most discussed information management approaches over the past year, Franz addresses the need for semantic consistency within Data Lakes through its Semantic Data Lake platform, a self-descriptive data-repository based on graph representation of multi-source, heterogeneous data, including unstructured data. According to Nick Heudecker, research director at Gartner, “Data lakes typically begin as ungoverned data stores. Meeting the needs of wider audiences requires curated repositories with governance, semantic consistency and access controls.”

Franz has been providing powerful solutions to complex database challenges since its inception. “We have always been in the business of ‘solving complexity’ through our semantic web technologies,” noted Dr. Aasman. “From our origins in the Artificial Intelligence boom through our advanced capabilities in Graph search and now as part of our Semantic Data Lake platform, we provide powerful solutions to complex challenges in the Enterprise.”

For the future, Franz has a focus on Personalized Medicine -- a growing field with a considerable need to rapidly answer complex, often live-saving questions that require the fusion of data in many dimensions. Through a Semantic Data Lake approach, Franz has begun working to easily transform and integrate unstructured and structured data to deliver critical real-time insights that will fuel discoveries, significantly improve efficiencies, and personalize care for patients. CR



Dr. Jans Aasman