Franz Launches Superior Graph Database Security to Protect the Most Sensitive Data

AllegroGraph Triple Attributes Deliver Hardened Data Security within the Flexible Environment of Graph Databases

OAKLAND, Calif. – November 6, 2017 – Franz Inc., an early innovator in Artificial Intelligence (AI) and leading supplier of Semantic Graph Database technology for Knowledge Graphs, today announced Triple Attributes for its Semantic Graph Database, AllegroGraph. This innovative feature for AllegroGraph provides the necessary power and flexibility to address high-security data environments such as HIPAA access controls, privacy rules for banks, and security models for policing, intelligence and government. AllegroGraph Triple Attributes for Security is easier to use and provides more expressiveness than security methods in relational databases or property graph databases, while avoiding performance degradations.

"Enterprises want the flexibility of graph databases, but they also want the security they have come to rely on with relational databases," said Dr. Jans Aasman, CEO of Franz Inc. "Our new Triple Attributes gives organizations an elegant mechanism to implement the ultimate in graph database security."

Graph databases are now common in many industries such as life sciences, healthcare, financial services, government and intelligence. Graphs are particularly valuable in these sectors because of the complex nature of the data and need for powerful, yet flexible data analytics. Graph databases allow visibility across the data – enabling organizations to share data and show how data is connected.

With AllegroGraph's unique Triple Attributes capabilities, data can be made transparent to users based on roles. Triple Attributes provides the linking and discovery power of Graph Databases with the security of need-to-know access. This approach has the flexibility to implement HIPAA for the healthcare industry, the privacy rules for the financial industry and the government models and policies for classified information.

Triple Attributes – Semantic graph databases store their data in the W3C standards based Resource Description Framework (RDF) also known as 'triples' (or quads). Each node-link-node combination that forms the graph is stored in these standards compliant 'triples.' AllegroGraph Triple Attributes provides metadata for each individual triple. Typical uses of Triple Attributes are date, time, weight, security level, classification level, trust level and provenance information – although any user defined attribute is allowed. These attributes can be accessed in queries and graph algorithms and greatly expand the power of graph based applications.

Security and More – The Triple Attributes feature was initiated for government level data security, but the design goes well beyond security. Triple Attributes can be implemented for such diverse data analytics domains as AI truth maintenance systems, atmospheric observations to better understand real world events like crop yields, or storing blockchain hashes and ICO public keys for KYC applications and analytics.

Knowledge Graph and Artificial Intelligence (AI) – The foundation for Knowledge Graphs and AI lies in the facets of semantic technology provided by AllegroGraph. Semantic Graph databases provide the core technology environment to enrich and contextualized the understanding of data. The ability to rapidly integrate new knowledge is the crux of the Knowledge Graph and depends entirely on semantic technologies.

AllegroGraph Triple Attribute Availability

Triple Attribute Security is available in AllegroGraph v6.3, which also includes:

- Defining customized Magic Properties – AllegroGraph lets users define Magic Properties so that you can connect from SPARQL to other databases, machine learning tools, and programming languages which provides a highly enriched application query environment.
- Improvements and new features in AGWebView, including the ability to add data by pasting in a text area, new report dialogs which detail storage usage and other things, a new index management page.
- Support for XQuery and XPath math functions.
- CORS support: CORS (Cross-Origin Resource Sharing)

About AllegroGraph

AllegroGraph is a database technology that enables businesses to extract sophisticated decision insights and predictive analytics from highly complex, distributed data that cannot be uncovered with conventional databases. Unlike traditional relational databases or other NoSQL databases, AllegroGraph employs semantic graph technologies that process data with contextual and conceptual intelligence. AllegroGraph is able run queries of unprecedented complexity to support predictive analytics that help organizations make more informed, real-time decisions. AllegroGraph is utilized by dozens of the top F500 companies worldwide.

AllegroGraph Recognition

At the recent Intel launch event for Xeon Scalable Processors, AllegroGraph was featured as part of the Semantic Data Lake for Healthcare. A collaboration with Franz Inc., Montefiore Medical Center (the eighth largest hospital in the U.S.), and Intel to provide a scalable and extensible

Healthcare platform designed for Accountable Care and Personalized Medicine initiatives.

Franz was recently recognized by Database Trends and Applications as one of "The Companies That Matter Most in Data," and by Big Data Quarterly as one of "The Big Data 50 — Companies Driving Innovation in 2017" due to the unique capabilities and solutions offered by AllegroGraph.

In addition, Bloor Research recently positioned AllegroGraph as a "Champion" and highest ranked product in its class.

About Franz Inc.

Franz Inc. is an early innovator in Artificial Intelligence (AI) and leading supplier of Semantic Graph Database technology with expert knowledge in developing and deploying Knowledge Graph solutions. The foundation for Knowledge Graphs and AI lies in the facets of semantic technology provided by AllegroGraph and Allegro CL. The ability to rapidly integrate new knowledge is the crux of the Knowledge Graph and Franz Inc. provides the key technologies and services to address your complex challenges. Franz Inc. is your Knowledge Graph technology partner.