AllegroGraph News – October, 2017

In this issue

- AllegroGraph 6.3 – Now Available
- Gruff v7.2 – Available November 10th
- Dataconomy article – Triple Attributes: A New Way to Protect the Most Sensitive Information
- Datanami article – Why Enterprise Knowledge Graphs Need Semantics
- Big Data 50 – Companies Driving Innovation in 2017 – Franz Inc.
- The Open Data Science Conference (ODSC West), November 2-4, Hyatt Regency San Francisco Airport
- The Text Analytics Forum 2017 – Washington DC, November 8-9
- Enterprise Data World – Taking Graphs to the Next Level with Artificial Intelligence and Machine Learning – April 22-27, 2018
- Franz Inc. named to the DBTA 100 – The Companies That Matter Most in Data

AllegroGraph 6.3 – Now Available

New Features Include:

- **Defining your own magic properties** – AllegroGraph lets you define your own Magic Properties. The Defining Magic Properties Tutorial describes how to do this and provides numerous simple examples.
- 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. See the 6.3.0 programmer notes for details of the changes to AGWebView.
- Support for XQuery and XPath math functions.
- CORS support: CORS (Cross-Origin Resource Sharing), if enabled, allows scripts run on a web page from one server to make HTTP requests to the (different) server where AllegroGraph is running.

For additional information, see here

Gruff v7.2 – Available November 10th

New Features Include:

- The new command "Global Options | Show Non-Default Option Values" lists option values that you have changed from their defaults. That may be useful for finding options that you might like to revert to their default values without reverting all options. (This list will also be included in any bug report that Gruff generates.)
- When using "View | Go Back" and "View | Go Forward" in the graph view, if "Visual Graph Options | Layout Options | Animate Layouts" is enabled then the nodes will slide smoothly from one history state to the next.
- Path-finding will now display paths that contain literals even when "Global Options | Miscellaneous | Treat Literals as Objects" is off (as it is by default).
- If you turn off the new option "Visual Graph Options | Inclusion Options | Include Literals of All Languages", then commands on the Link menu will add literal nodes to the visual graph only when they have no language or their language tag is the "Global Options | Miscellaneous | Preferred Language".
- The option "Global Options | Node Label Predicates | Label Property Language" has become the more general "Global Options | Miscellaneous | Preferred Language". It also has a new "Other" choice at the bottom for specifying any language, rather than being limited to the several choices in the list. (And the more obscure "Global Options | Localization Language" has been moved into the Miscellaneous child menu.)
- The Global Options menu has two new child menus called "Node Label Type" and "Font". Like the "Timeouts" child menu that was already there, these new menus contain options that appear elsewhere on the menu bar in scattered places, and are simply grouped in a different way on these new menus to make it easier to find all of the options of their kind.
- The keyboard shortcut for doing a tree layout is now T with no shift key, to correspond to the other layout

commands that also use no shift key. This means that the keyboard shortcut for going to the table view is now B instead of T.

- The new option "File | Load Triples | Base URI for RDF/XML and Turtle" allows you to specify the base URI that will be passed to AllegroGraph when using the commands for loading triples from RDF/XML files or turtle files.
- Changes to the time chart: (1) Fixed: The time chart could break in certain cases while adjusting the time bar range or resizing Gruff while the time chart is present. (2) The time chart has been improved sylistically, such as by placing each date label in the middle of its time range rather than at the beginning of it. (3) The new command "View | Optional Graph View Panes | Show Time Chart" (with its keyboard shortcut) allows more quickly toggling the time chart on and off than by clicking the button for it on the time bar.
- The new option "Visual Graph Options | Finding Paths Between Nodes | Maximum Paths to Find" causes path-finding to return if it has found that many paths, to avoid wasting time finding additional paths that you would not display anyway. This option will not have an effect until AllegroGraph 6.3.1 is out and Gruff is built on it.

For additional information, see the Gruff Documentation

Available November 10th. Contact info@franz.com to test an early release.

Dataconomy article – Triple Attributes: A New Way to

Protect the Most Sensitive Information

DATACONOMY

Semantic Graph Databases are now common in many industries, including life sciences, healthcare, the financial industry and in government and intelligence agencies. Graphs are particularly valuable in these sectors because of the complex nature of the data and need for powerful, yet flexible data analytics.

Attributes, user attributes and static filters are a new mechanism for graph databases to protect sensitive information. This combination provides the right amount of power and flexibility to address high-security use cases, such as: HIPAA access controls, privacy rules for banks, security models for policing, intelligence and the government. In addition, this set of methods is far easier to use, provides more expressiveness than security methods in relational databases and doesn't suffer from performance degradations.

To read the full article, see here

Datanami article — Why Enterprise Knowledge Graphs Need Semantics

datanami

The Enterprise Knowledge Graph concept strikes at the core of what every data-driven organization is trying to do: translate data assets into a competitive advantage unique to those assets and the company itself.

By effectively connecting enterprise-wide data—both internal and external—into a sole repository reusable for a variety of use cases across an organization, Enterprise Knowledge Graphs are the single most effective mechanism for accomplishing this objective. The proliferation of use cases spanning Silicon Valley's finest proves this point as well as the business value of this methodology.

To read the full article, see here

Big Data 50 – Companies Driving Innovation in 2017 – Franz Inc.

Used by Fortune 500 companies that span healthcare, intelligence agencies, life sciences, telecommunications, and research organizations, Franz provides AllegroGraph, a high-performance and transactional semantic graph database, and Allegro CL, a Lisp programming environment to create complex applications for solving real-world problems.

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.

To read the full article, see here

The Open Data Science Conference (ODSC West), November 2-4, Hyatt Regency San Francisco Airport

ODSC — Open Data Science Conference — is essential for anyone who wants to connect to the data science community and contribute to the open source applications they use everyday. Our goal is to bring together the global data science community to help foster the exchange of innovative ideas and encourage the growth of open source software.

Join us at ODSC West — Nov 2-4. https://odsc.com/california

The Text Analytics Forum 2017 — Washington DC, November 8-9

Text Analytics is a platform technology that adds depth and intelligence to any organization's ability to utilize that most under-utilized resource — text. For many years the exponential growth of information has been experienced as a

problem — information
overload. However, with a new generation of text analytics
tools and techniques, massive amounts of information are
becoming part of the
solution for an incredibly wide range of applications, from
search that works to social media-fueled insights about
customers and
competitors to new flexible approaches to KM, new solutions to
fake news, and more. The inaugural theme for Text Analytics
Forum, Go
Deeper, invites all who deal with text to take a deep dive
into this powerful set of techniques.

For additional information, see here

Enterprise Data World — Taking Graphs to the Next Level with Artificial Intelligence and Machine Learning — April 22-27, 2018

The 22nd Annual Enterprise Data World (EDW) Conference hosted
by DATAVERSITY® is recognized as the most comprehensive
educational conference on data management in the world. Join
hundreds of data professionals from around the globe to attend
this unique conference. Your transformation to data-driven
business starts here!

Franz CEO Jans Aasman will be presenting "Taking Graphs to the
Next Level with Artificial Intelligence and Machine Learning".

Graphs and Knowledge Management have gained significant
visibility with the rebirth of artificial intelligence and
emergence of cognitive computing. By combining artificial

intelligence, big data, graph databases, and dynamic visualizations, we will discuss deploying Graph based AI applications as a means to help predict future events across numerous types of industries.

Knowledge creation via AI and Graphs stems from the capability to combine the probability space (i.e. statistical inference on a user's data) with a knowledge base of comprehensive industry terminology systems. AI using Graphs are remarkable not just because of the
possibilities they engender, but also because of their practicality. The confluence of knowledge via machine learning, visual querying, graph databases, and big data not only displays links between objects, but also quantifies the probability of their occurrence. We believe this approach will be transformative across numerous business verticals.

During the presentation we will describe the Graph based AI concepts that also incorporate Hadoop, along with analytics via R, SPARK ML and other AI techniques for practical Enterprise predictive analytics use cases.

For additional information, see here

Franz Inc. named to the DBTA 100 – The Companies That Matter Most in Data
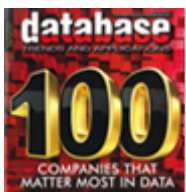
Franz Inc., an early innovator in Artificial Intelligence and leading supplier of Semantic Graph Database technology,

announced it has been named to the Database Trends and Applications (DBTA) 100 – 'The Companies That Matter Most in Data'. The world of data management is constantly changing. The DBTA 100 recognizes vendors who are evolving with the times and leading the charge to address new opportunities and requirements. Embracing the old and new, well-established and cutting edge, this fifth annual DBTA 100 list spotlights the companies that are dealing with evolving market demands through innovation in software, services, and hardware. The list includes long-established IT companies and newer upstarts anxious to shake up the data management space. Each year, the DBTA 100 presents "View from the Top" articles by company executives explaining how their organizations are uniquely addressing the data challenges of today and tomorrow…

See here to read the full release