

New Gruff v7.4 – Now Available!

[DOWNLOAD – Gruff](#)

Gruff is the Knowledge Graph industry's leading Graph Visualization software for exploring and discovering connections within data. Gruff provides novice users and graph experts the ability to visually build queries and explore connections as they developed over time.

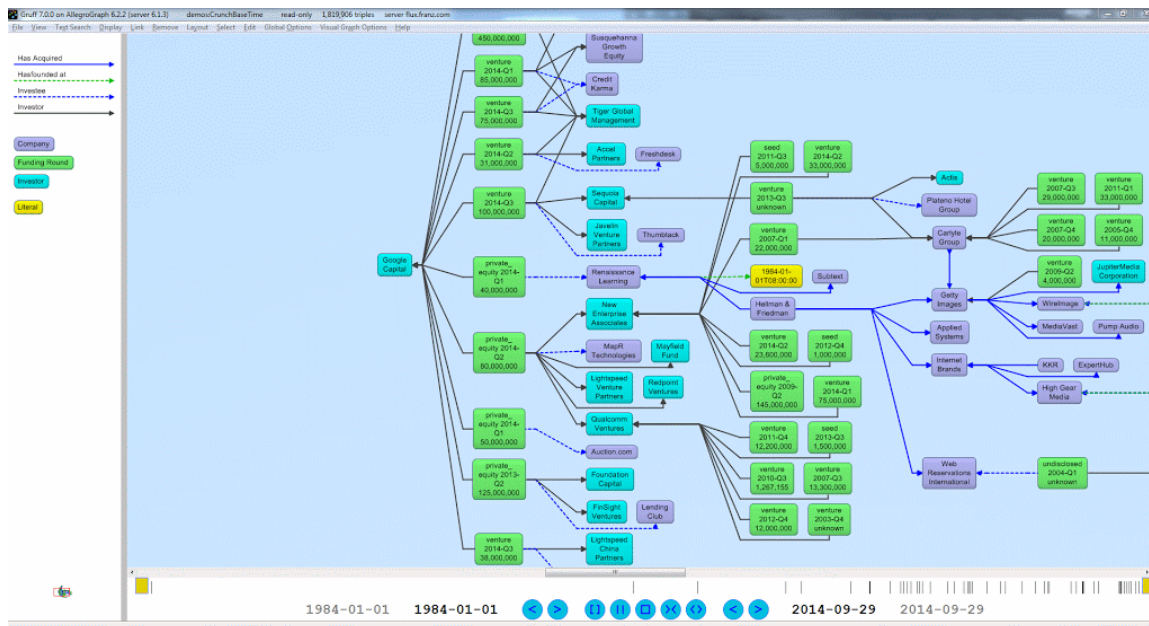
Gruff produces dynamic data visualizations that organize connections between data in views that are driven by the user. This visual flexibility can instantly unveil new discoveries and knowledge that turn complex data into actionable business insights. Gruff was developed by Franz to address Graph Search in large data sets and empower users to intelligently explore graphs in multiple views including:

- **Graphical View with “Time Machine” feature** – See the shape and density of graph data evolve over time
- **Tabular view** – Understand objects as a whole
- **Outline view** – Explore the often hierarchical nature of graphs
- **Query view** – Write Prolog or SPARQL queries
- **Graphical Query Builder** – Create queries visually via drag and drop

Gruff's 'Time Machine' feature provides users an important capability to explore temporal connections in your data. Users can see how relationships are created over time and are able to replay the evolving graph for new temporal based insights.

already). See Global Options | Communications | HTTP Proxy.

- Additional triple file formats can now be loaded with the new commands “File | Load Triples | Load JSON-LD”, “Load TriG”, and “Load N-Quads Extended”. Corresponding new commands are also on the “File | Export Displayed Data As” child menu. Also, the new command “Global Options | Miscellaneous | Commit Frequency When Loading Triples” lets you control whether and how often commits will happen during loading.
- The query view’s “Create Visual Graph” button will now create link lines for additional SPARQL property path operators, namely InversePath (^) and AlternativePath (|). And it will draw the correct character for ZeroOrOnePath (?). (See “Query Options | Show Links for Property Paths in Visual Graphs” for turning this off.)
- If the triple store defines label properties for predicates, then Gruff will now display those labels for the predicate objects as it has always done for nodes, as long as “Global Options | Node Label Predicates | Use Label Predicates for Node Labels” is on.
- When “Visual Graph Options | Node Labels | Show Full URIs on Nodes” is on, full URIs will be also displayed for the predicates in link labels. And full URIs will be shown in the legend as well.



Creating Explainable AI With Rules

Franz's CEO, Jans Aasman's recent Forbes article:

There's a fascinating dichotomy in artificial intelligence between statistics and rules, machine learning and expert systems. Newcomers to artificial intelligence (AI) regard machine learning as innately superior to brittle rules-based systems, while [the history of this field](#) reveals both rules and probabilistic learning are integral components of AI.

This fact is perhaps nowhere truer than in [establishing explainable AI](#), which is central to the long-term business value of AI front-office use cases.

Granted, simple machine learning can automate backend processes. However, the full extent of deep learning or complex neural networks – which are much more accurate than basic machine learning – for mission-critical decision-making

and action requires explainability.

Using rules (and rules-based systems) to explicate machine learning results creates explainable AI. Many of the far-reaching applications of AI at the enterprise level – deploying it to combat financial crimes, to predict an individual’s immediate and long-term future in health care, for example – require explainable AI that’s fair, transparent and regulatory compliant.

Rules can explain machine learning results for these purposes and others.

Read the [full article at Forbes](#)

Tim Berners-Lee – “The Next Web” – TED Presentation

In 2009 Tim Berners-Lee presented his vision of the Semantic Web. Here is his visionary TED Talk

