**Knowledge Graph**

Data Harmonization and Analytics of Diverse Data with AnzoGraph DB

Know your Knowledge Graph Goals
Understand the data you have and the analytics you desire.

- Use data from diverse data structures to build unique and powerful analytics
- Leverage a common data model using semantics, reasoning and inferencing
- Support active analytics that update when the data updates

Pick the Right Graph Database

Graph databases have variants. Choose the right variant to suit your project needs.

**Algorithm-centric**
Great for running graph algorithms like PageRank and Shortest Path but may lack data integration and transformation.

**Analytical**

- **Semantic**
  - Focused on ontologies and semantic reasoning with a nod toward Tim Berners-Lee and internet data sharing.
  - Good at data harmonization, but may lack analytical powers granted by property graphs.

- **Transactional**
  - Talented at storing away data and running short-running queries like lookups, but may fall short on deep analytics that traverse the graph.

**Algorithm-centric**

- **Great at running graph algorithms like PageRank and Shortest Path**
- **but may lack data integration and harmonization capabilities**

**Algorithm-centric**

- **Offer a good balance for semantic, algorithmic and data warehouse style analytics. Deep analysis on large data sets.**

**AnzoGraph DB**

- **highly performant in-database loading makes loading & transforming data fast & easy.**
- **Alternatively, use virtualization capability to leave data at source.**

**ETL**

- **Load data into your database after transforming your sources.**

**ELT**

- **Load data into your database and then transform.**

**Virtualize**

- **Allows the data to remain where it is with only subsets being retrieved into the graph as needed.**

**Massively Parallel**

- In-memory MPP platform is able to speed through challenging analytics.
- Use all servers to load and analyze data for ultimate in-memory performance at any scale.

**Scalability without Limits**

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**Deepest Analytics**

- **Graph Algorithms**
  - Best for path finding and other graph algorithms, never before possible, with edge processing over RDF

- **Data Science**
  - Use data science functions for data discovery and feature engineering

**Custom Algorithms**

- **SPARQL and Cypher**
  - SPARQL and Cypher that are standards-based and well vetted tools with proprietary language

- **Inferencing with RDFS+ and OWL**
  - Infer new knowledge and create new relationships from rules using a powerful inferencing capabilities

- **Geospatial**
  - Perform location analytics with points, lines and polygons. Integration with 3rd party GIS applications

**AnzoGraph DB**

- **Free Edition is available on AnzoGraph.com**
- **Free for commercial and non-commercial use for up to 16 GB.**

**AnzoGraph DB**

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**As an analytical graph, AnzoGraph DB provides the right balance, offering semantics, data harmonization, graph algorithms, BI-style analytics in a highly scalable, massively parallel platform.**

**Integrate your Data**

- **Data harmonization, analytics and graph algorithms to explore disparate enterprise data.**

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