CAMBRIDGE SEMANTICS

ANZOGRAPH® DB

Knowledge Graph

Data Harmonization and Analytics of Diverse Data with AnzoGraph DB
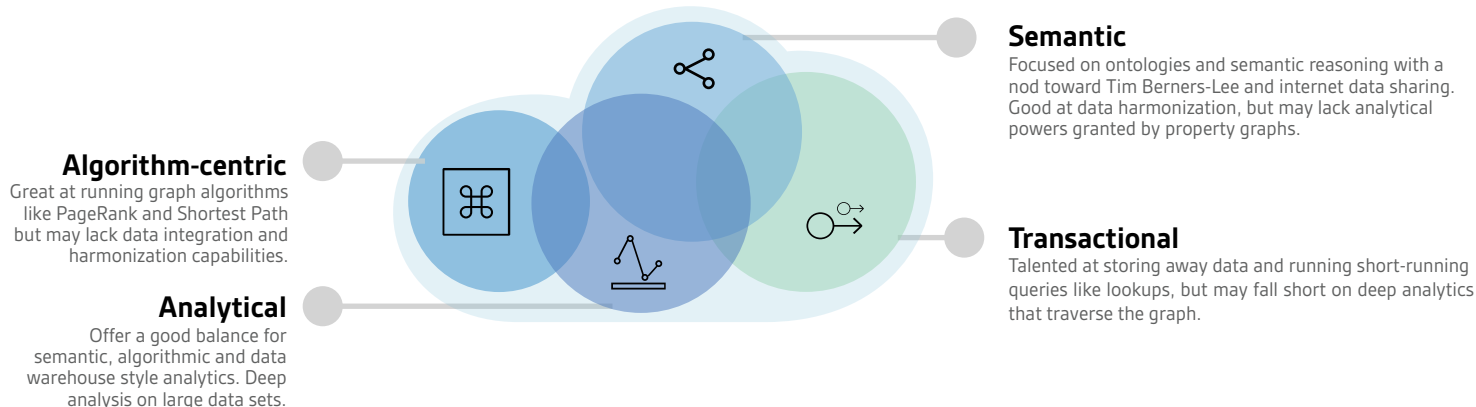
Know your Knowledge Graph Goals

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
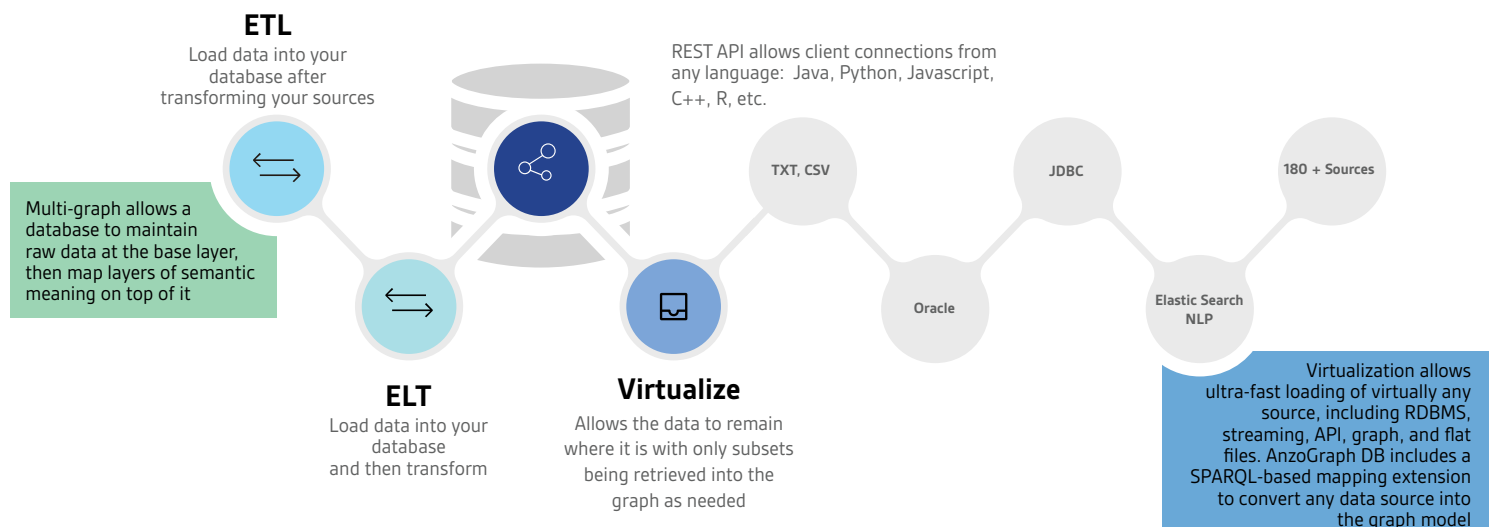
Pick the Right Graph Database

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

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

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

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.

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.

ETL
Load data into your database after transforming your sources

Multi-graph allows a database to maintain raw data at the base layer, then map layers of semantic meaning on top of it

REST API allows client connections from any language: Java, Python, Javascript, C++, R, etc.

TXT, CSV

JDBC

180 + Sources

Oracle

Elastic Search NLP

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

Virtualization allows ultra-fast loading of virtually any source, including RDBMS, streaming, API, graph, and flat files. AnzoGraph DB includes a SPARQL-based mapping extension to convert any data source into the graph model

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

Discover and Analyze

AnzoGraph DB has all the right features to build your custom knowledge graph applications.

Scalability without Limits

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

Deepest Analytics

SPARQL and Cypher
Write code in graph languages that are standards-based and avoid vendor lock-in with proprietary languages

Inferencing with RDFS+ and OWL
Infer new knowledge and create new relationships from rules defined in an ontology with powerful inferencing capabilities

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

Graph Algorithms
Run weighted shortest path and other graph algorithms, never before possible, with edge properties using RDF*

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

Custom Algorithms
Custom Extensions Write your own SPARQL extensions in Java, Scala or C++ with AnzoGraph's SDK

ANZOGRAPH® DB

AnzoGraph DB Free Edition is available on
AnzoGraph.com

Free for commercial and non-commercial use for up to 16 GB.