7 Problems uniquely solved by OpenLink Virtuoso

OPENLINK® VIRTUOSO UNIVERSAL SERVER

Virtuoso unleashes the power and promise of Knowledge Graphs *deployed using Linked Data principles* in unique, cost-effective, and productive ways...

Virtuoso also unleashes the power and promise of the original Abstract Relational Model by managing Data represented as Tables or Graphs.

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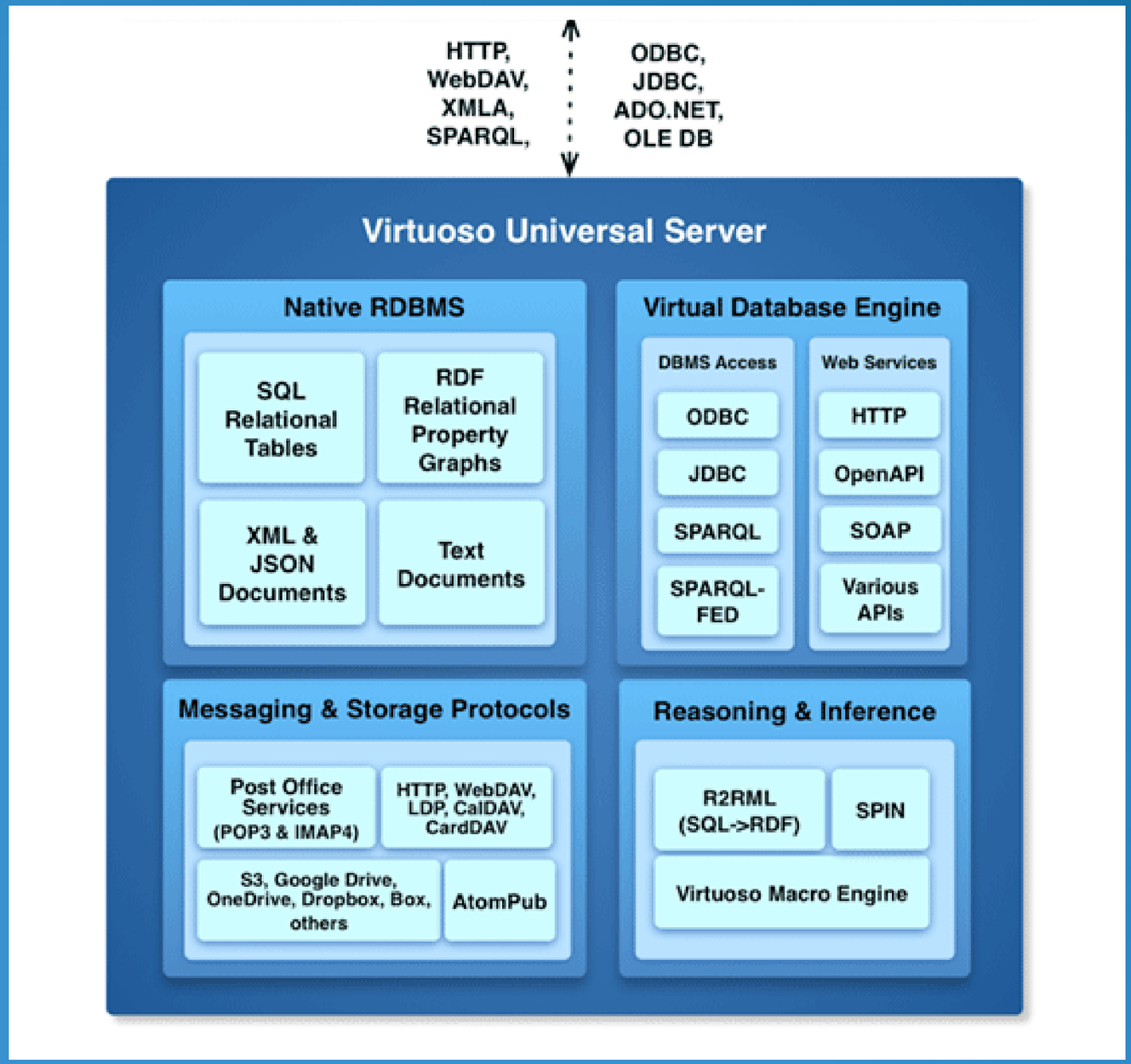

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Only Virtuoso lets you fully utilize —

- The original Relational Model (SQL) for Data Management
- Conceptual Integration of Data from Disparate Data Sources
- Open standards such as ODBC, JDBC, ADO.NET, or OLE DB for loosely-coupled Data Access between front-end Applications and DBMS back-ends
- Solutions to Identity & Access Management Challenges at both Internet- and Web-scales, again using existing open standards
- Faceted Search & Browsing at Web-scale
- Reasoning & Inference at Web-scale

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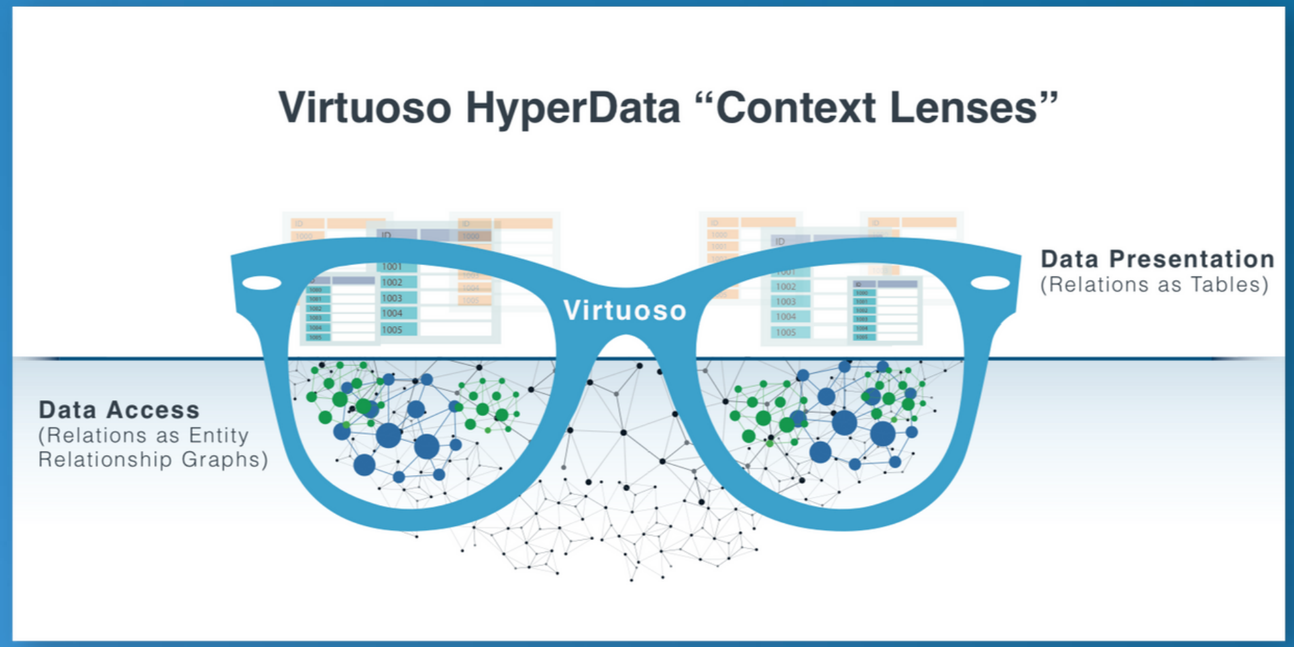
Fully exploit the original Relational Model for Data Management

By supporting Declarative Data Definition and Data Manipulation operations scoped to Tables and/or RDF Graphs



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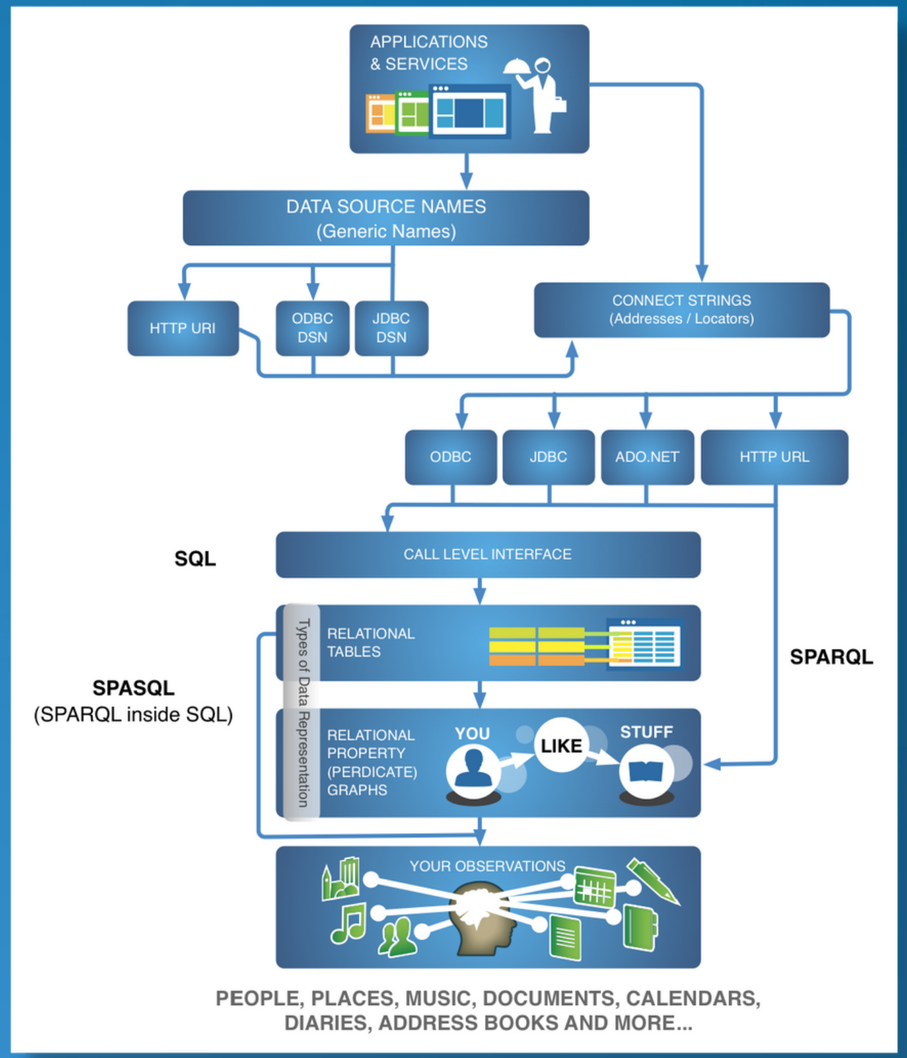
Conceptually Integrate Data from Disparate Data Sources

Use Conceptual Data Virtualization to blend data from different databases with SQL and/or SPARQL en route to creating rich Information Dashboards that exploit Ontology-informed AI (a/k/a Explainable AI)



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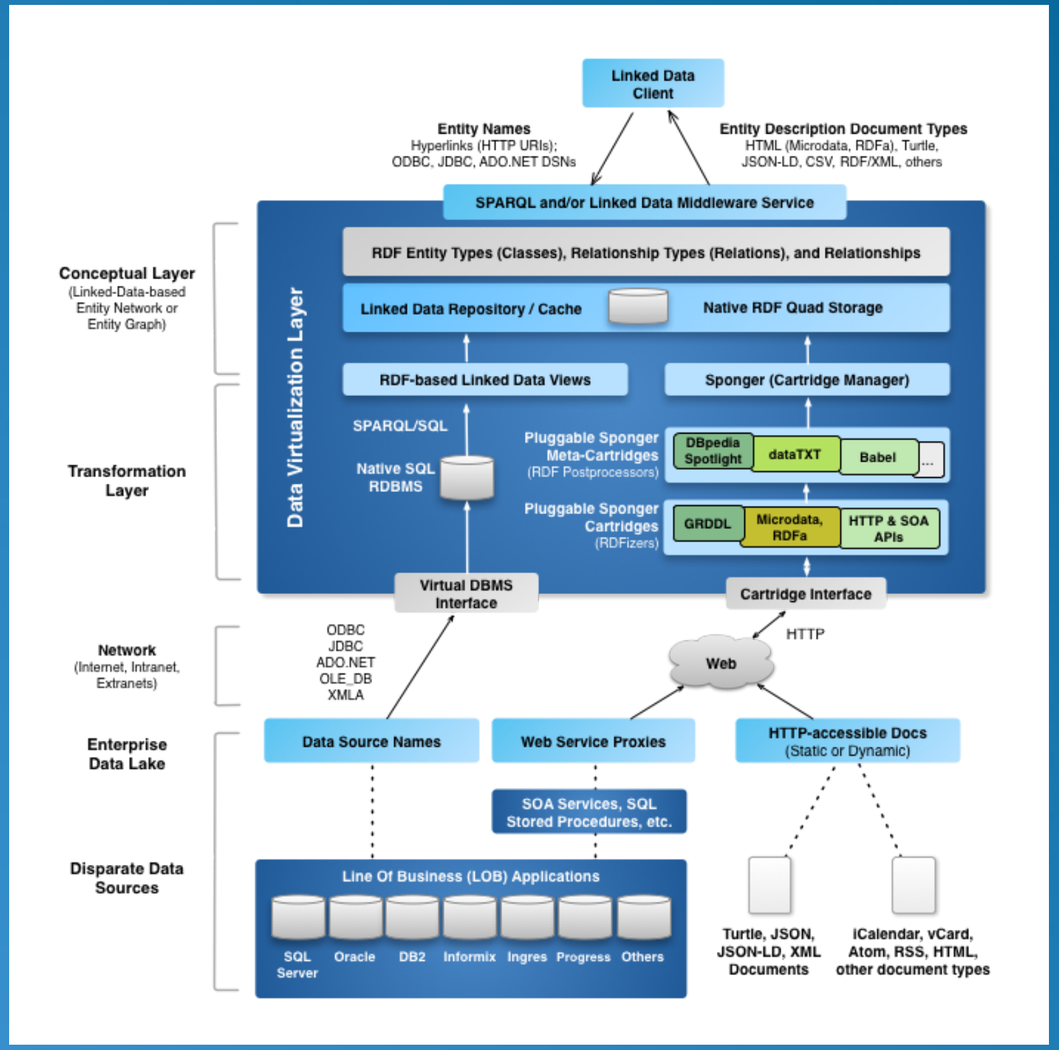
Use ODBC, JDBC, ADO.NET, and/or OLE DB connections from existing Applications and Services

Access local and public remote Knowledge Graphs across the massive Linked Open Data Cloud comprising the likes of DBpedia, Wikidata, and many more



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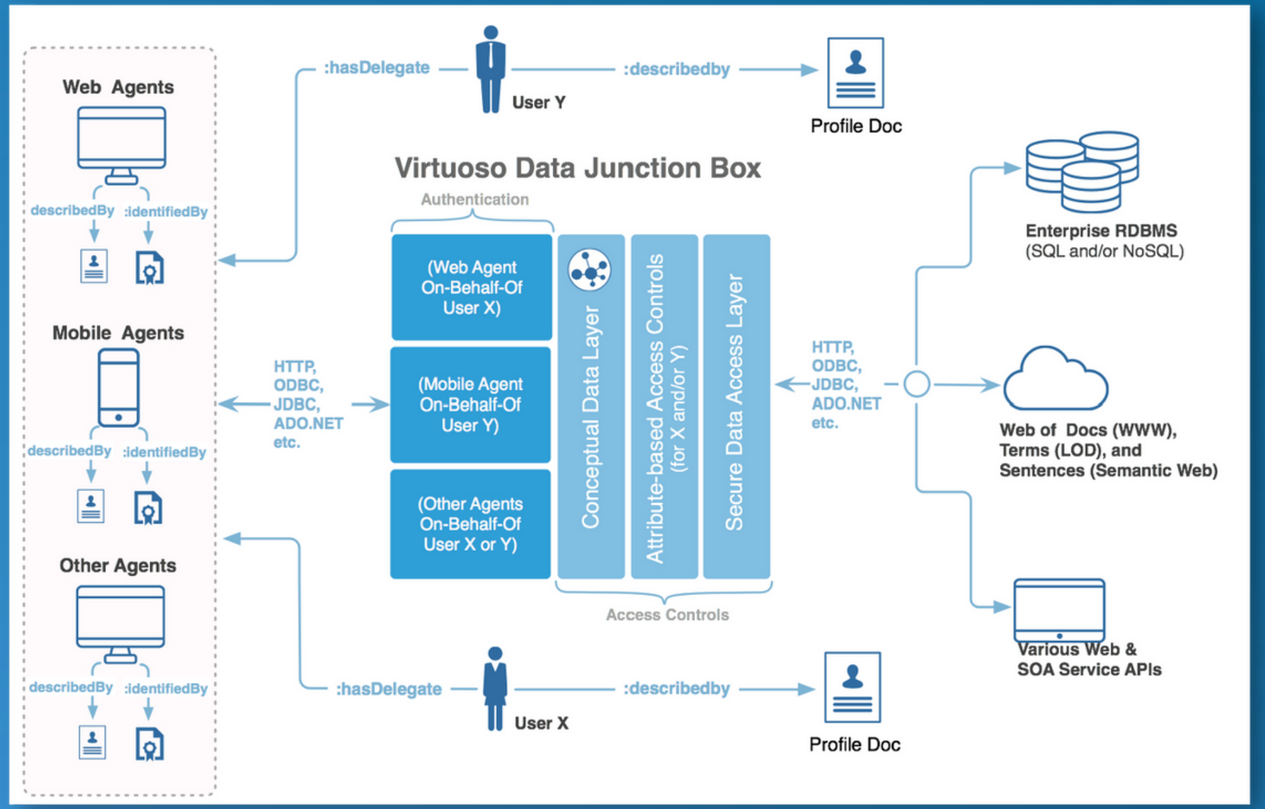
Address Privacy Challenges

Use Profile Knowledge Graphs to inform Data Access Policies in the form of Attribute-based Access Controls (ABAC), rather than Role-based Access Controls (RBAC)



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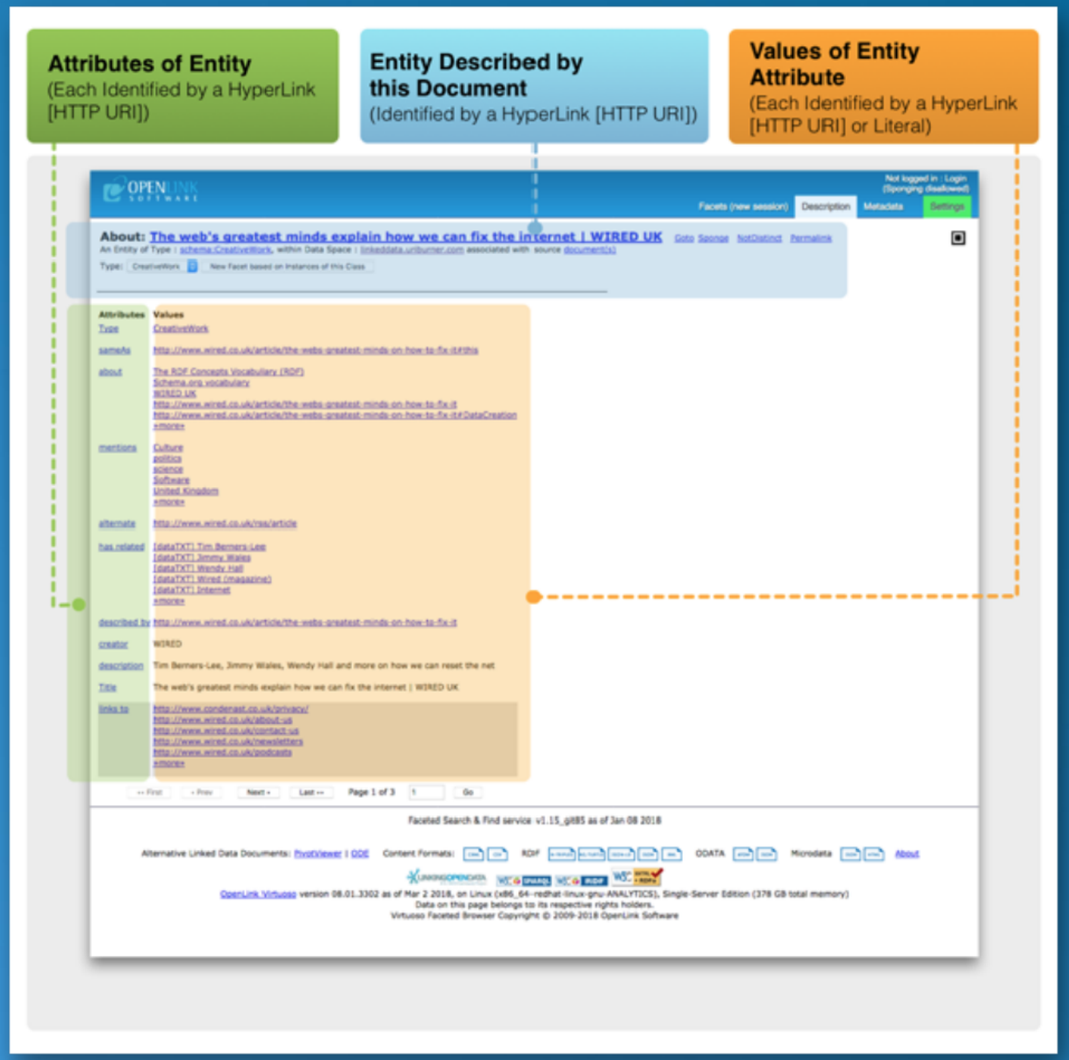
Employ Faceted Search & Browsing, at Web-Scale

Utilize high-performance and scalable Faceted Search and Browsing over Knowledge Graphs that are constructed progressively, as you surf



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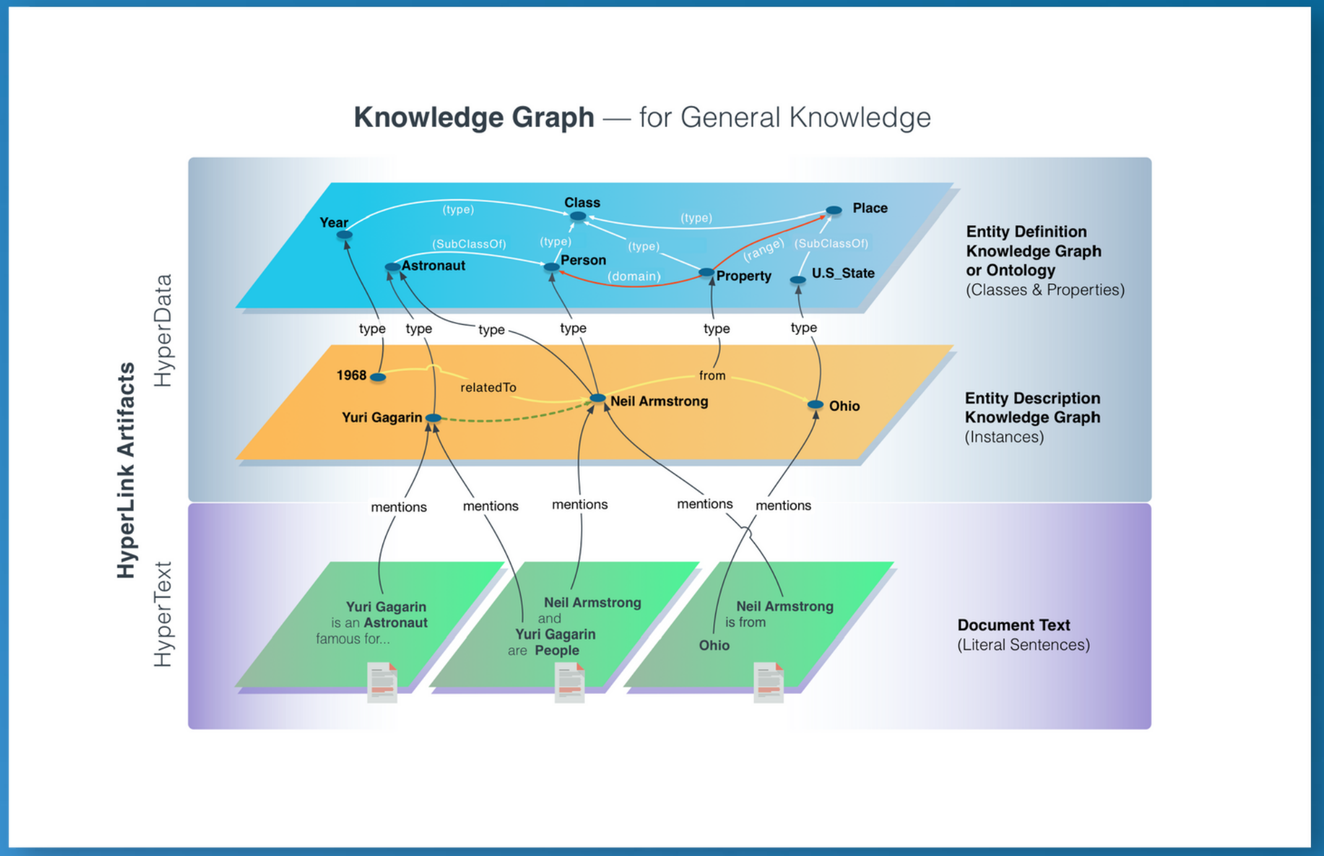
Gain Insight through Reasoning & Inference, at Web-Scale

Use Ontologies to inform high-performance and scalable reasoning and inference



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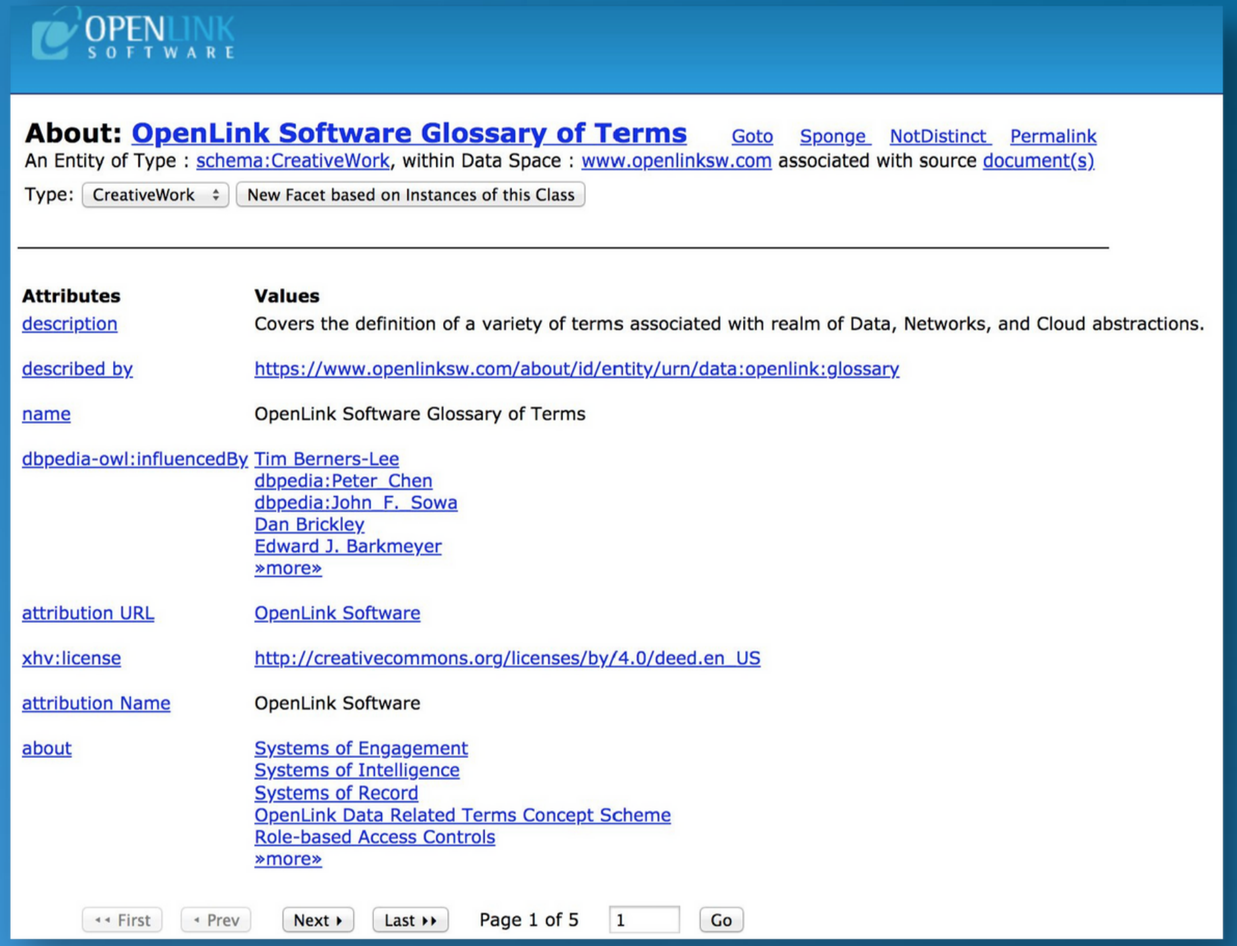
Build Glossaries

Build powerful glossaries of terminology that leverage Linked Data principles for easy look-ups and cross-referencing — enabling enhanced sharing of information and knowledge



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HOW DO I GET GOING?

- **On Premise** — get installer and 30-day Free Evaluation licenses from our Download Site
- **Docker Container** — get various containers from Docker Hub
- **Cloud** — launch Bring-Your-Own License (BYOL) or Pay-As-You-Go (PAGO) instances in the Amazon Web Services (AWS) or Microsoft Azure Clouds

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ADDITIONAL INFORMATION

- Virtuoso Home Page
- Virtuoso Weblog
- Virtuoso Community Forum

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