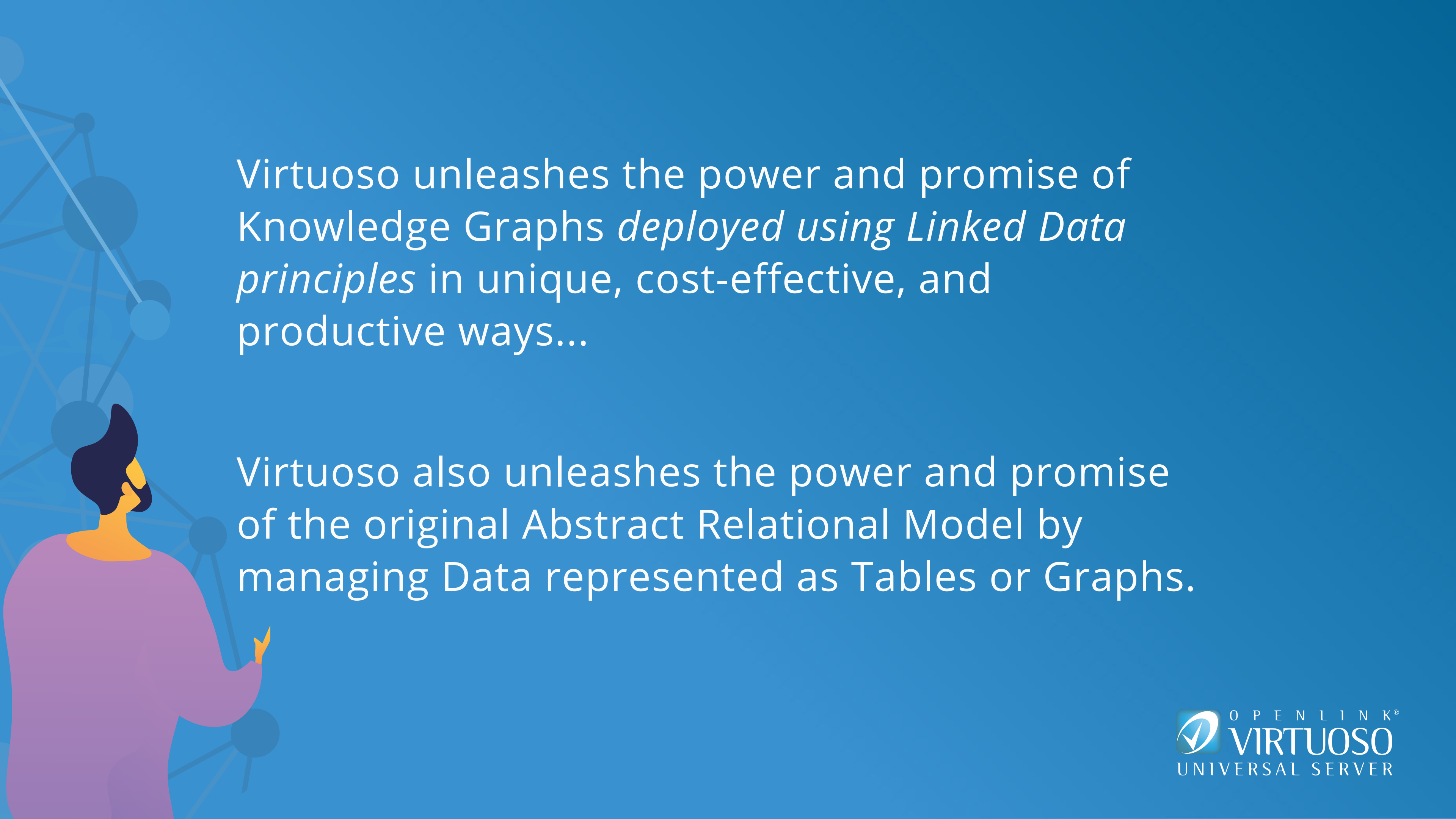


7 Problems
uniquely solved by
OpenLink Virtuoso

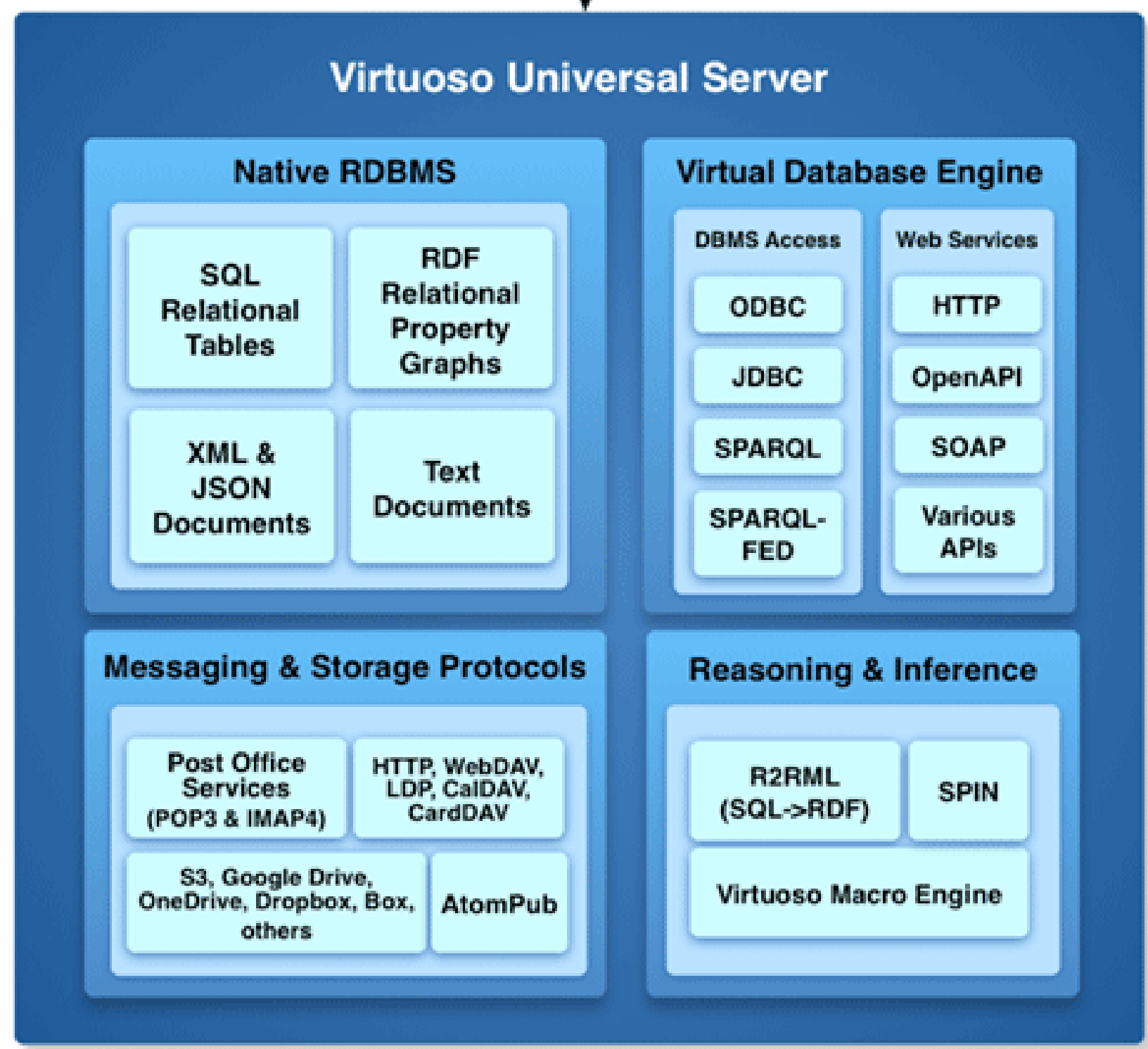


Virtuoso unleashes the power and promise of Knowledge Graphs *deployed using Linked Data principles* in unique, cost-effective, and productive ways...

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

↑
HTTP,
WebDAV,
XMLA,
SPARQL,
↓

ODBC,
JDBC,
ADO.NET,
OLE DB

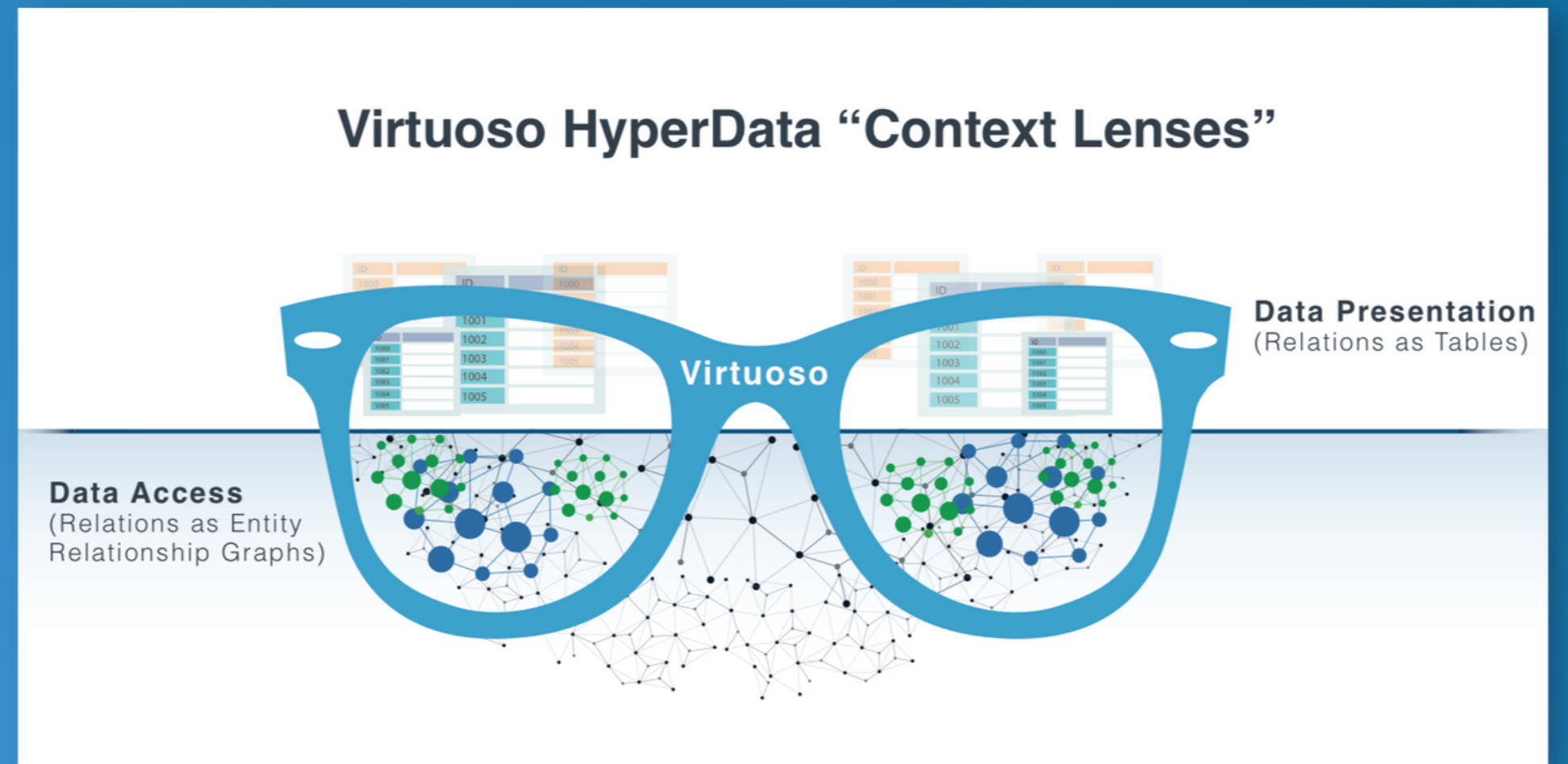


Only Virtuoso lets you fully utilize —

- 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

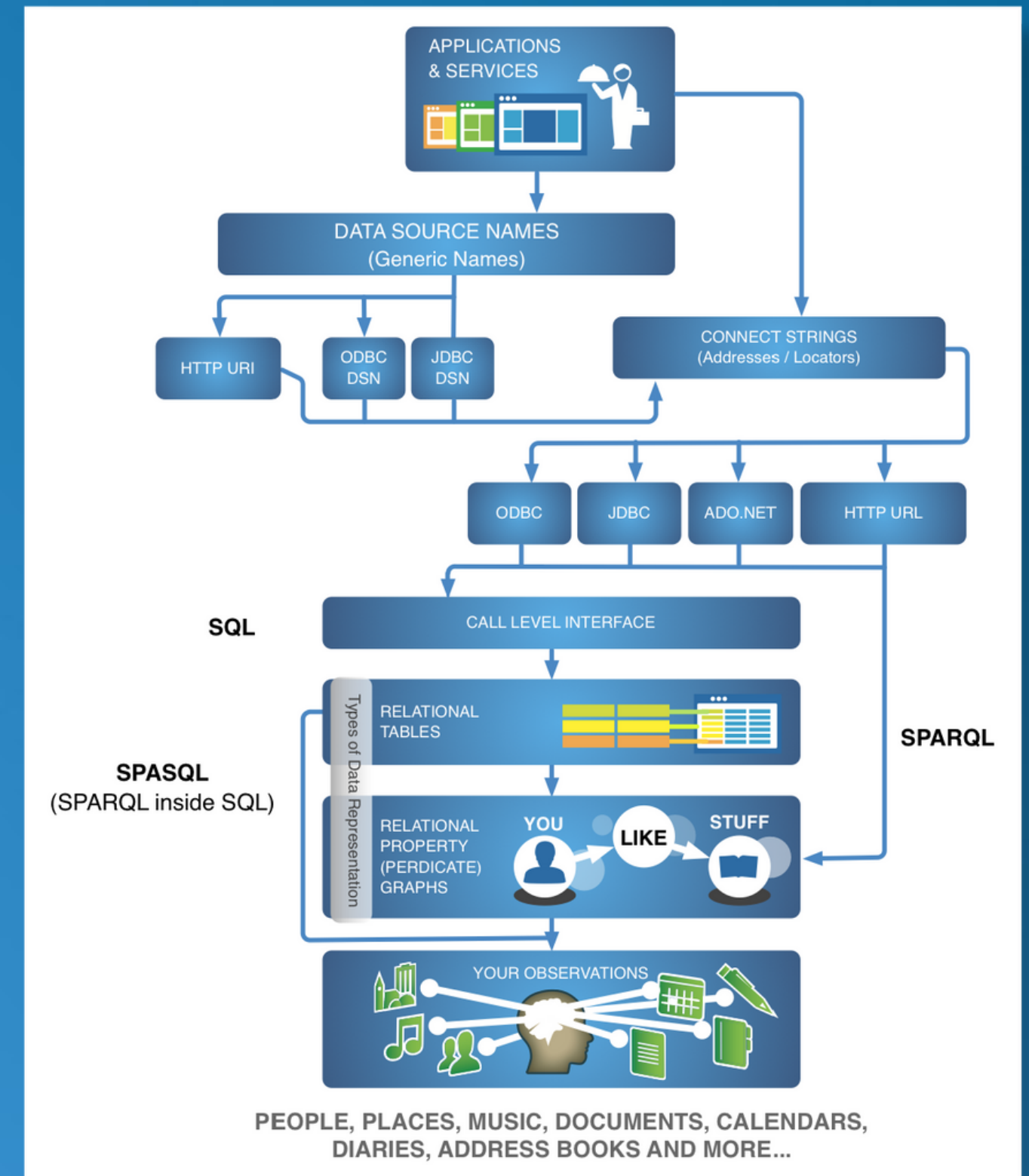
Fully exploit the original Relational Model for Data Management

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



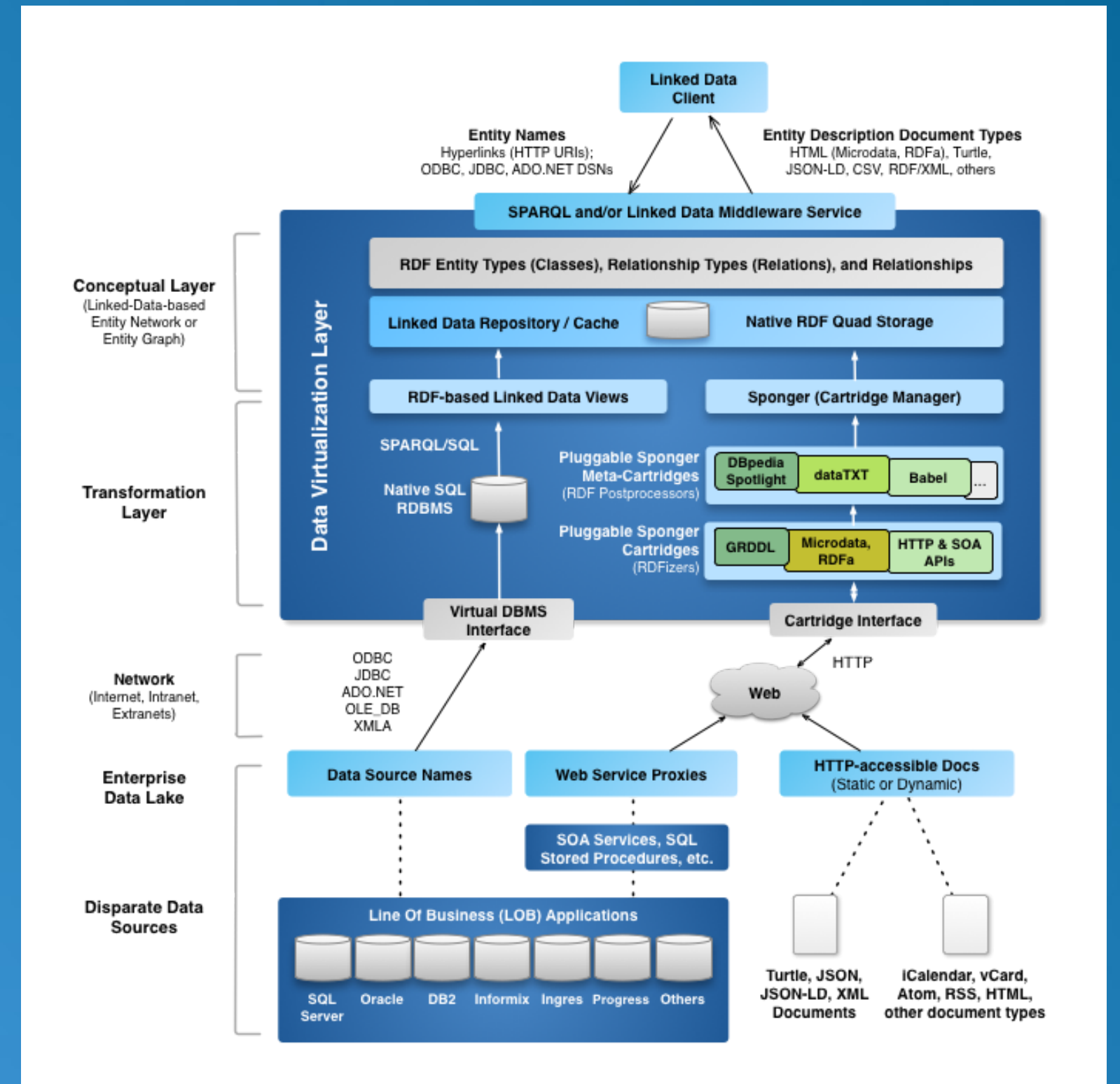
Conceptually Integrate Data from Disparate Data Sources

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)



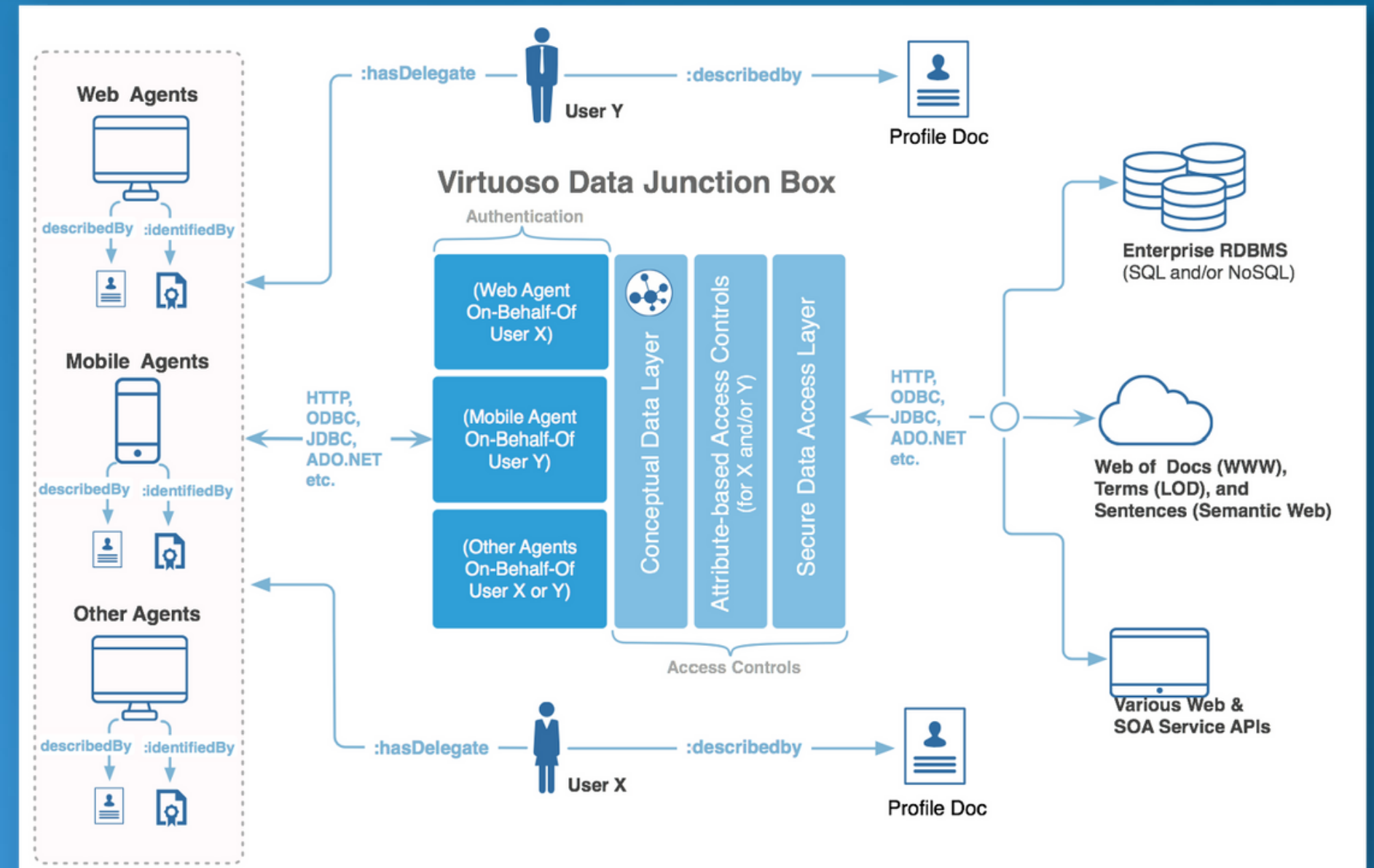
Use ODBC, JDBC, ADO.NET, and/or OLE DB connections from existing Applications and Services

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



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)



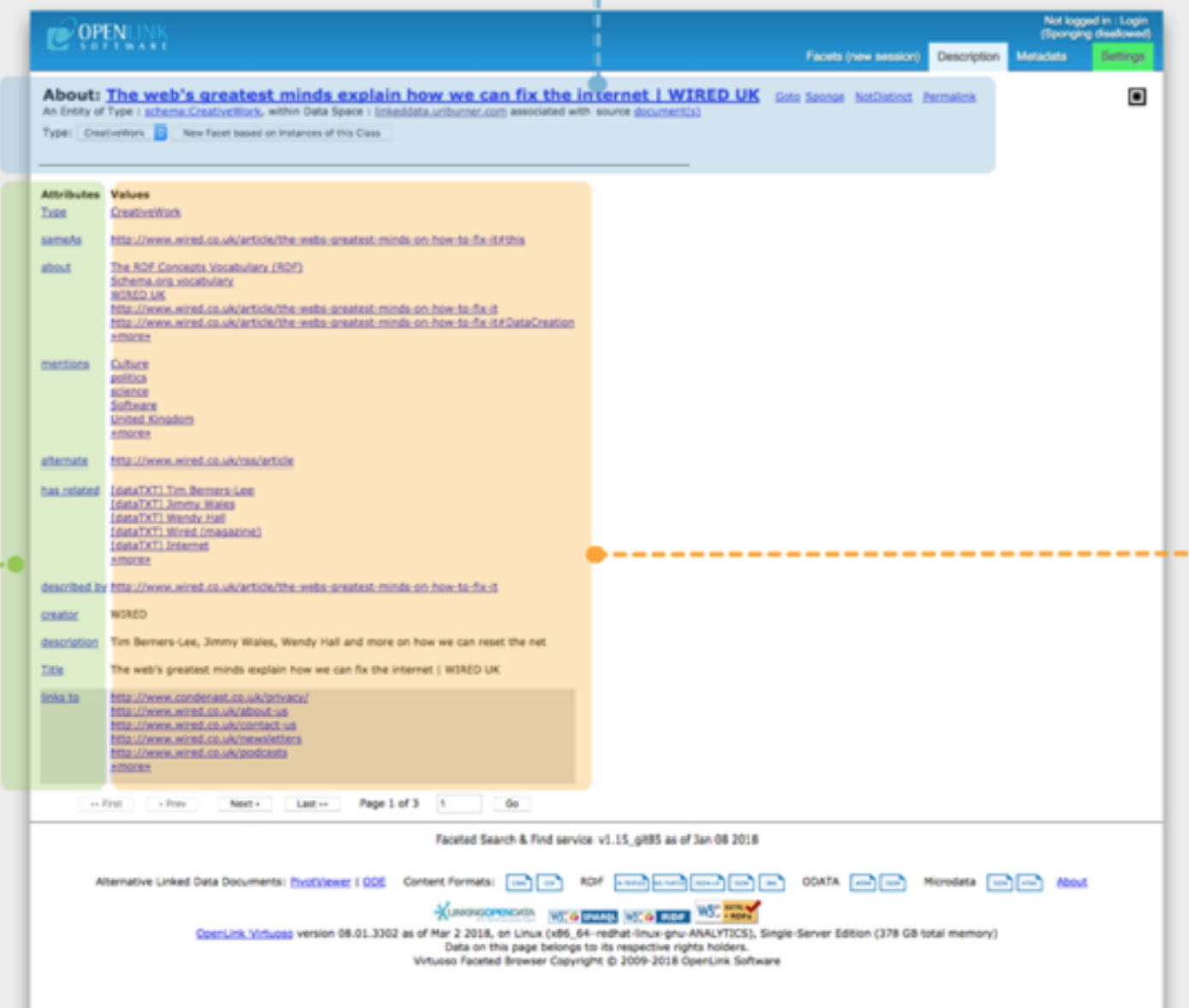
Employ Faceted Search & Browsing, at Web-Scale

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

Attributes of Entity
(Each Identified by a HyperLink [HTTP URI])

Entity Described by this Document
(Identified by a HyperLink [HTTP URI])

Values of Entity Attribute
(Each Identified by a HyperLink [HTTP URI] or Literal)

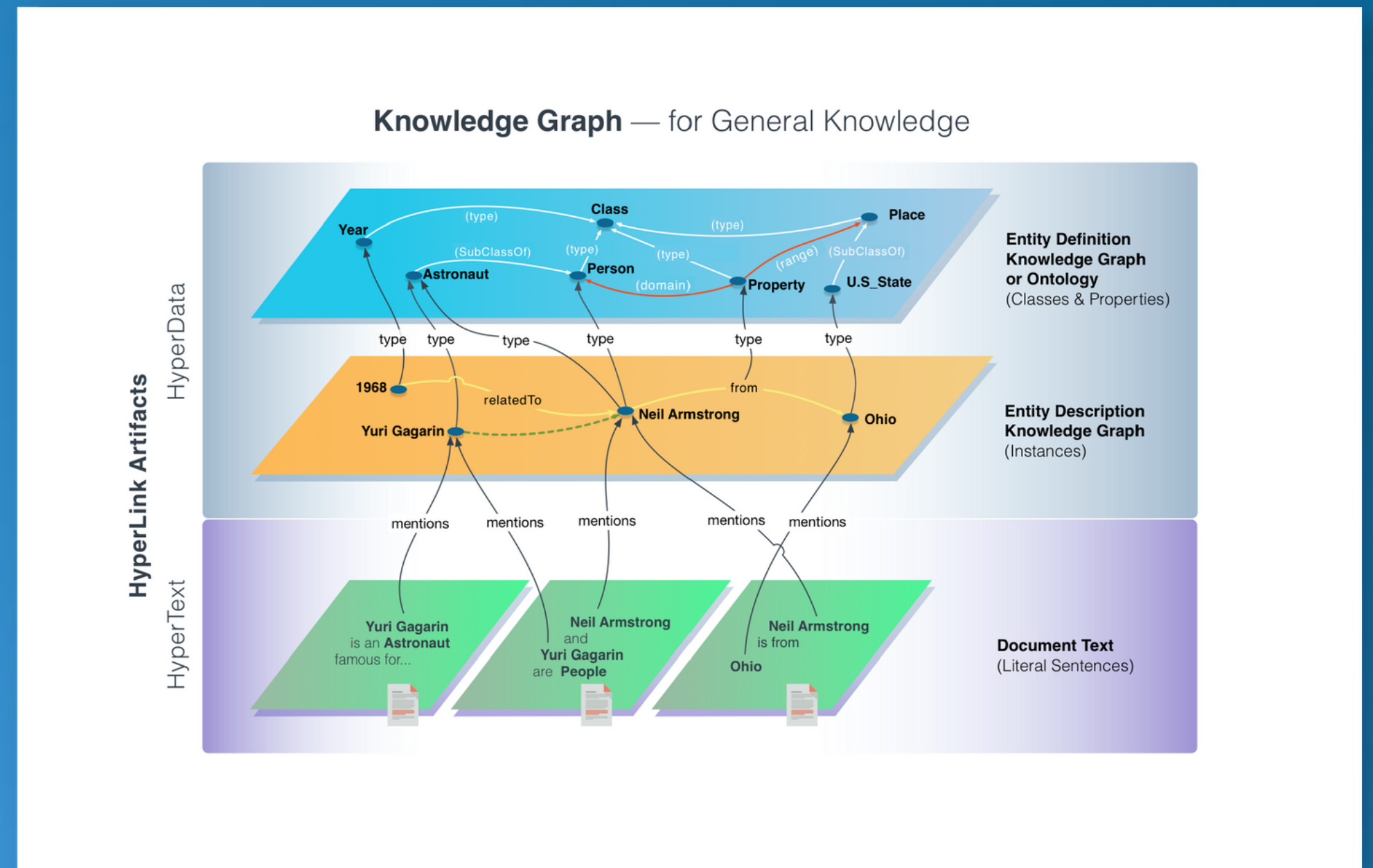


The screenshot displays the OpenLink Virtuoso Faceted Search & Find service interface for an entity. The main content area shows a table of attributes and their values. The 'attributes' column lists properties like 'name', 'about', 'mentions', 'alternate', 'has related', 'described by', 'creator', 'description', 'title', and 'links to'. The 'values' column lists the corresponding values, which include URIs and literals. The interface also features a navigation bar with 'Facets (new session)', 'Description', 'Meta-data', and 'Settings' tabs. At the bottom, there is a footer with version information and copyright details.

Attributes	Values
Type	CreativeWork
name	http://www.wired.co.uk/article/the-web-s-greatest-minds-on-how-to-fix-it#title
about	The RDF Concepts Vocabulary (RDF) Schema.org vocabulary WIRED UK http://www.wired.co.uk/article/the-web-s-greatest-minds-on-how-to-fix-it http://www.wired.co.uk/article/the-web-s-greatest-minds-on-how-to-fix-it#DataCreation http://www.wired.co.uk/article/the-web-s-greatest-minds-on-how-to-fix-it#strokes
mentions	Culture arts&ent science Software United Kingdom strokes
alternate	http://www.wired.co.uk/rss/article
has related	http://www.wired.co.uk/article/the-web-s-greatest-minds-on-how-to-fix-it#tim-berners-lee http://www.wired.co.uk/article/the-web-s-greatest-minds-on-how-to-fix-it#jimmy-wales http://www.wired.co.uk/article/the-web-s-greatest-minds-on-how-to-fix-it#wendy-hall http://www.wired.co.uk/article/the-web-s-greatest-minds-on-how-to-fix-it#massachusetts http://www.wired.co.uk/article/the-web-s-greatest-minds-on-how-to-fix-it#internet strokes
described by	http://www.wired.co.uk/article/the-web-s-greatest-minds-on-how-to-fix-it
creator	WIRED
description	Tim Berners-Lee, Jimmy Wales, Wendy Hall and more on how we can reset the net
title	The web's greatest minds explain how we can fix the internet WIRED UK
links to	http://www.condemnat.co.uk/privacy/ http://www.wired.co.uk/about-us http://www.wired.co.uk/contact-us http://www.wired.co.uk/newsletters http://www.wired.co.uk/podcasts strokes

Gain Insight through Reasoning & Inference, at Web-Scale

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



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

OPENLINK SOFTWARE

About: OpenLink Software Glossary of Terms [Goto](#) [Sponge](#) [NotDistinct](#) [Permalink](#)
An Entity of Type : [schema:CreativeWork](#), within Data Space : [www.openlinksw.com](#) associated with source [document\(s\)](#)
Type: [CreativeWork](#)

Attributes	Values
description	Covers the definition of a variety of terms associated with realm of Data, Networks, and Cloud abstractions.
described by	https://www.openlinksw.com/about/id/entity/urn/data:openlink:glossary
name	OpenLink Software Glossary of Terms
dbpedia-owl:influencedBy	Tim Berners-Lee dbpedia:Peter_Chen dbpedia:John_F._Sowa Dan Brickley Edward J. Barkmeyer »more»
attribution URL	OpenLink Software
xhv:license	http://creativecommons.org/licenses/by/4.0/deed.en_US
attribution Name	OpenLink Software
about	Systems of Engagement Systems of Intelligence Systems of Record OpenLink Data Related Terms Concept Scheme Role-based Access Controls »more»

Page 1 of 5

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](#)



ADDITIONAL INFORMATION

- [Virtuoso Home Page](#)
- [Virtuoso Weblog](#)
- [Virtuoso Community Forum](#)

