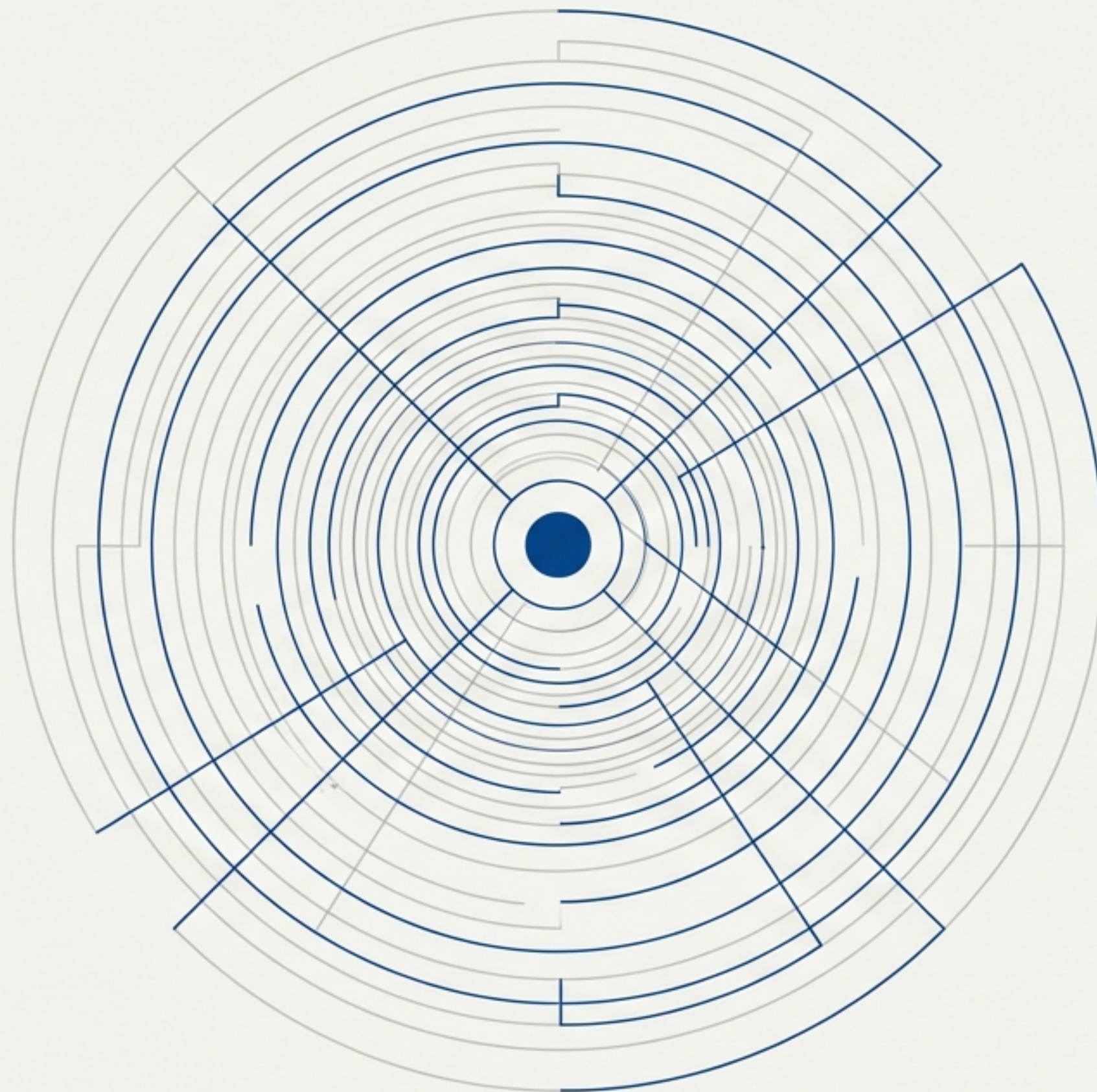


# Accelerating Data Intelligence with OPAL and Virtuoso

OpenLink Professional Services for Knowledge Graphs and AI Agents



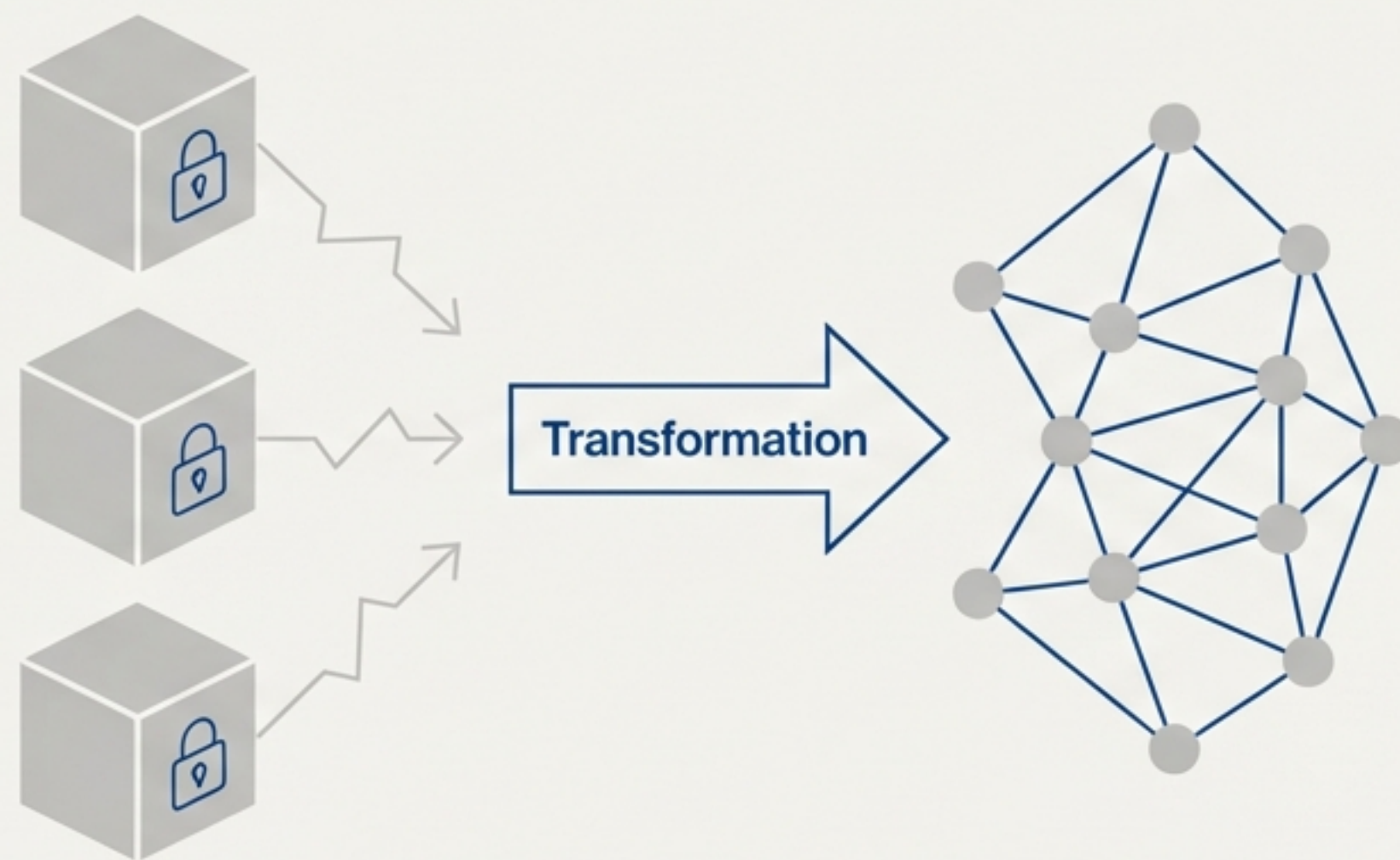


# Unlocking Your Data's Potential in the Age of AI

The AI-driven landscape presents a critical challenge: navigating the complexities of modern enterprise data access, integration, and management. Success demands the right combination of expertise, strategy, and technology.

OpenLink's professional services empower organizations to harness the full power of their data assets, eliminating the technical debt caused by data silos and enhancing operational agility.

By leveraging Multi-Model Data Management, Knowledge Graphs, and Linked Data Principles, we help you build a smarter, more connected enterprise.





# A Strategic Partner for Your Most Demanding Data Initiatives

Choosing an experienced and innovative technology partner directly impacts the success of your data initiatives.



## Decades of Proven Expertise

Over two decades as an acclaimed technology innovator, working with leading commercial organizations, open-source communities, and standardization bodies like the W3C.



## Pioneers in Linked Data

Unparalleled knowledge and experience in Linked Data and the Semantic Web since their inception, ensuring solutions are robust and aligned with industry best practices.



## AI-Ready Infrastructure

Our platforms and services are designed from the ground up to ensure your data estate is structured, governed, and optimized for modern AI workloads, from LLMs to intelligent agents.



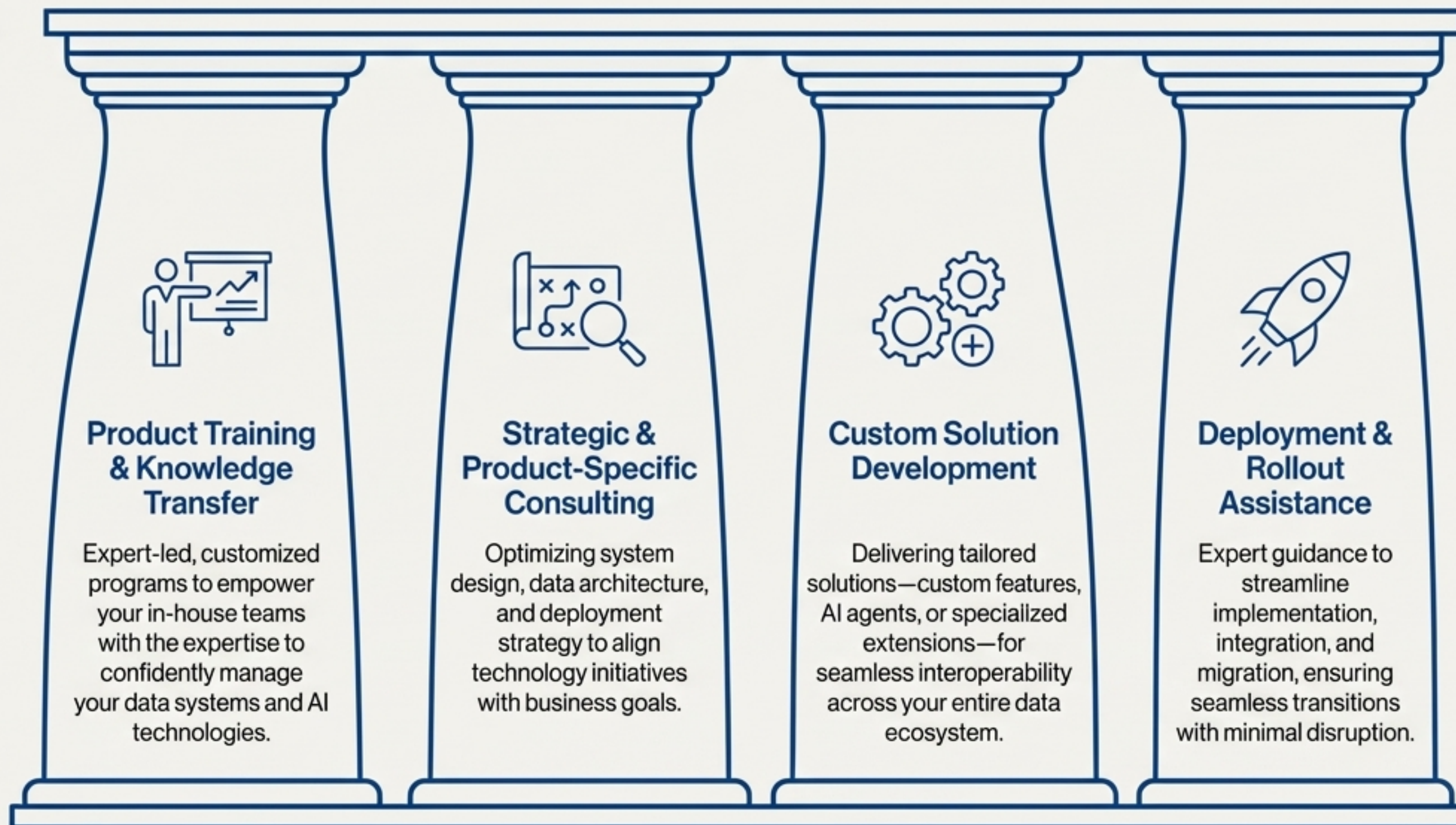
## High-Performance Technology Foundation

All service engagements are built upon our enterprise-grade Virtuoso Universal Server and OpenLink AI Layer (OPAL) for powerful and reliable graph management, data federation, and secure hybrid access.



# A Comprehensive Framework for Your Data Journey

Our services are organized into four foundational pillars that provide targeted assistance at every stage, from initial training to enterprise-wide deployment.





# Platform-Centric Services: The Strategic Core of Our Technology Stack



## The OpenLink AI Layer (OPAL)

A powerful middleware that bridges your enterprise data with modern AI workloads, enabling secure, loosely coupled interfaces for intelligent agents and LLMs.



OpenLink  
Software



## The Virtuoso Universal Server

A high-performance, enterprise-grade platform that unifies graphs, relational workloads, and universal data integration in a single server.



# OPAL Deployment & Integration Services

## Bridging Enterprise Data with AI Workloads

OPAL enables the creation of secure, loosely coupled interfaces, allowing intelligent agents and LLMs to interact with your data in a controlled and context-aware manner.

## Key Deliverables



- Turn-key OPAL Setup (cloud, on-prem, hybrid)



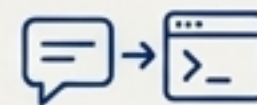
- LLM and AI Agent Integration with existing data sources



- A2A (Agent-to-Agent) and MCP (Message Content Protocol) Protocol Enablement



- Data Space Design and Configuration, including security and access controls



- Prompt-to-Data Pipelines for natural-language-driven queries

### Ideal for Organizations That Are:

Adopting AI agents; needing controlled access to mission-critical data; requiring semantic context for LLMs; migrating from brittle ETL and API layers.



# Virtuoso Knowledge Graph Services

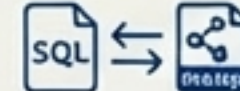
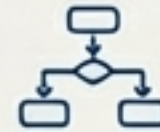
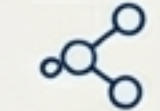
## A Unified Platform for Graphs, Data, and Integration

Virtuoso provides a high-performance foundation for building semantic warehouses, data virtualization layers, and scalable knowledge graph hubs.

### Ideal for Applications Involving:

Semantic warehouses and knowledge graph hubs; search and discovery applications; compliance, governance, and lineage systems; data virtualization and hybrid data integration.

## Key Deliverables



- Architecture Design & Capacity Planning
- RDF/Property Graph Modeling and Optimization
- Schema Design, Ontology Development, and Mapping
- Reasoning, Inference, and Linked Data Enablement
- High-Availability & Cluster Deployments
- SQL + SPARQL Federation Integration
- Performance Tuning and Workload Optimization



# Specialized Engagements to Address Targeted Business Challenges

We provide a range of high-impact, specialized engagements, from strategic planning workshops to complex data modernization projects.



## AI & Semantic Modernization Workshops

Short-form, high-impact workshops to give your teams a clear, actionable roadmap to operational AI and data harmonization.



## Data Space Architecture & Governance Frameworks

Detailed blueprints and implementation services for secure, federated data environments that interoperate with AI agents.



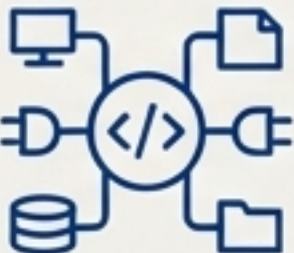
## Ontology & Vocabulary Development

Industry-aligned or custom data models that reflect the real-world structures your applications and agents rely on.



## Migration & Modernization Services

Expertly managed transitions from legacy relational systems to unified knowledge graphs and hybrid environments with accuracy and minimal disruption.



## Custom Integration, APIs, and Connectors

Tailored interfaces to bring Virtuoso and OPAL into your existing workflows, enterprise systems, and cloud-native environments.



# Empowering Our Partners to Deliver with Confidence

We provide dedicated support for technology partners who embed or build solutions on our platforms.



## OEMs / ISVs

Needing embedded graph, query, or AI-integration technology.



## VARs

Offering packaged solutions built atop Virtuoso and OPAL.



## Systems Integrators

Delivering enterprise AI, data integration, and knowledge management programs.

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## How We Support Partners

- Co-delivery models for joint project execution
- Comprehensive training and certification programs
- Dedicated architectural support and guidance
- Flexible licensing and business terms



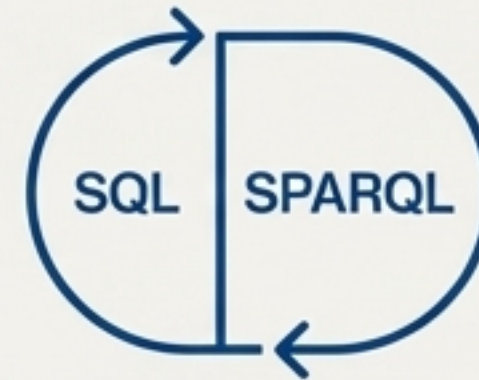
# Building Self-Sufficiency Through Training & Enablement

Effective, long-term success depends on empowering your internal teams. We are committed to a culture of knowledge transfer.



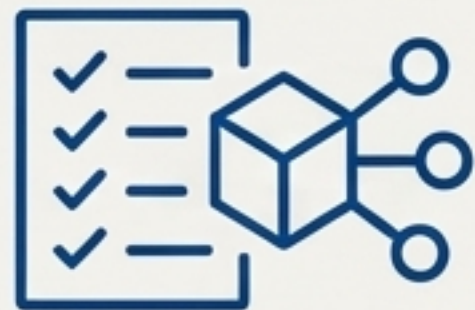
## Hands-on Virtuoso and OPAL Training

Training a hands-on Virtuoso and OPAL training, including learning, and Virtuoso training.



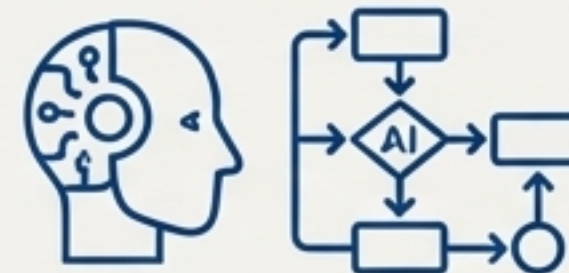
## SPARQL, SQL, and Hybrid Query Training

Query training with SPARQL, SQL, and hybrid query in hybrid querying.



## Data Modeling, SHACL, and Semantic Best Practices

Data data modeling, SHACL, and Semantic best Practices.



## LLM, Agent Workflow, and AI-Data Alignment Workshops

LLM, agent workflow, and AI-data alignment workshops.

All programs are available as remote or onsite engagements to suit your team's needs.



# Packaged Consulting Services for a Predictable Path to Success

For common initiatives like a proof-of-concept, our structured packages combine services, support, and training into a clear, fixed-price offering.

Feature	Bronze Consulting Package	Silver Consulting Package
Price	Contact Us	Contact Us
Support Level	Bronze Level	Silver Level
Support Duration	2-3 months prototype phase	2-3 months prototype phase
Professional Services	5 days (flexible access)	5 days remote Training + 5 days (flexible access)
Service Access	Online support portal	<b>Phone access</b> + online support portal
DaaS Admin	Full administration in the cloud	Full administration in the cloud

The Silver package’s inclusion of **dedicated remote training** and **direct phone support** provides an **accelerated path** to self-sufficiency for teams new to the platform.



# Our Proven Four-Step Process Minimizes Risk and Accelerates Time-to-Value

1

## Assessment & Scoping



We evaluate your current environment, strategic objectives, data landscape, and operational constraints to establish a clear understanding of your needs.

2

## Architecture & Planning



We design a practical, scalable blueprint that aligns with your growth targets and AI roadmap, ensuring a future-proof solution.

3

## Implementation & Integration



Our experts deploy, configure, and integrate OPAL and Virtuoso into your technical environment, ensuring seamless connectivity.

4

## Optimization & Support



We fine-tune performance, help build governance frameworks, and provide ongoing support to ensure sustained operational excellence.



# Get It Right the First Time

Whether you are deploying your first knowledge graph, integrating AI agents, or modernizing an enterprise data ecosystem, OpenLink Professional Services ensures you succeed with a scalable, standards-based architecture that supports future growth and innovation.

**Contact OpenLink Software to schedule an assessment or consultation.**

[sales@openlinksw.com](mailto:sales@openlinksw.com)  
[openlinksw.com/services](https://openlinksw.com/services)