

OPAL

OpenLink AI Layer

Revolutionary platform for creating, testing, and
deploying AI Agents with unparalleled flexibility and
intelligence

Overview

The Challenge

Traditional AI implementations are rigid, platform-dependent, and require complex integrations that limit scalability and create vendor lock-in scenarios.

The Revolution

OPAL delivers a comprehensive, declarative framework that enables seamless AI Agent deployment across any platform with unprecedented flexibility and power.

Core Benefits

Built-in GraphRAG

Revolutionary Retrieval Augmented Generation using declarative query languages across distributed knowledge graphs with unmatched performance and precision.

Dynamic OpenAPI Integration

Seamlessly integrate any Web Service through OpenAPI specifications, automatically expanding your AI Agent's capabilities with new actions.

Sovereign Identity Control

Complete user autonomy over identity mapping to session transcripts, ensuring maximum privacy and security with zero-trust architecture.

Core Benefits (continued)

Intelligent Fine-Tuning

Advanced template system for seamless integration with structured data sources, enabling precise model customization and optimization.

Universal Sharing Protocol

Share sessions, prompts, and responses through persistent hyperlinks, enabling collaborative workflows and knowledge preservation.

Quantum-Leap Architecture

Revolutionary loosely-coupled design enabling infinite scalability, platform independence, and seamless integration across any environment.

Transformative Use Cases



Data Space Driven RAG

Revolutionary retrieval augmented generation that leverages distributed knowledge graphs and databases for unprecedented AI response accuracy.



Conversational Data Connectivity

Seamless natural language interfaces that democratize data access, enabling intuitive exploration across complex data ecosystems.



Intelligent Customer Engagement

AI-powered support that transforms customer, partner, and prospect interactions through contextual understanding and intelligent solutions.

Key OPAL Concepts

AI Agents

Revolutionary AI assistants that leverage advanced LLMs to understand and respond to complex user queries, accessing data from diverse spaces to deliver intelligent solutions.

Data Spaces

Comprehensive ecosystem encompassing all data sources that OPAL can connect to, including databases, knowledge graphs, distributed systems, and cloud storage.

GraphRAG

Advanced Retrieval Augmented Generation technology that dramatically enhances LLM accuracy by providing real-time access to knowledge graphs through intelligent query optimization.

Loosely Coupled Architecture

Revolutionary design ensuring complete platform independence and unlimited scalability by integrating LLMs, Web Services, and Data Spaces through flexible patterns.

Deployment Options

Amazon Web Services

Launch OPAL instantly using our optimized AWS Marketplace offering with automated scaling and enterprise-grade security.

Microsoft Azure

Seamlessly integrate with Microsoft's cloud ecosystem through our Azure Marketplace solution with hybrid cloud capabilities.

Google Cloud Platform

Leverage Google's AI and machine learning capabilities with our optimized Cloud Marketplace deployment.

On-Premise

Maintain complete control with on-premise deployment using our comprehensive installer packages for any infrastructure.

Get Started with OPAL

Resources

- OPAL & Virtuoso Showcases
- Screencast Demos
- Documentation & FAQ

Products

- Virtuoso Database Platform
- Universal Data Access
- OPAL Installers

Powered by OpenLink Software | Revolutionary AI Agent Platform