

Neo4j Aura Agent

Build and Deploy Knowledgeable Agents in Minutes

Neo4j Aura Agent is an end-to-end platform that enables teams to rapidly build, test, and deploy intelligent AI agents grounded in enterprise knowledge graphs – in minutes, not weeks.

Built natively into Neo4j AuraDB, Aura Agent provides knowledgeable data integration across the agent lifecycle. It automates agent drafting from your graph schema, provides robust GraphRAG tooling with an integrated testing environment, and delivers secure single-click deployment to MCP and REST.

The Problem

Enterprise AI agents often fail due to data integration and "AI-ready" gaps. Agents struggle to understand data models and execute accurate retrieval. Constructing agents requires drafting domain-specific tools and prompts then refining through repeated cycles – demanding deep expertise and specialized infrastructure. Manual approaches become prohibitively slow and impossible to scale.

Key Benefits

Modern AI agents fail when they lack accurate context, explainability, and the ability to reason over connected data. Teams are forced to stitch together agent frameworks, ad hoc prompt engineering, and infrastructure, resulting in slow experimentation and fragile systems. Aura Agent changes that.

Graph-Grounded Intelligence

Enable agents to reason over connected enterprise data in the form of entities, relationships, paths, and dependencies using the native property graph.

Faster Time to Production

Auto-generate agents from your graph schema in minutes. Rapidly test & iterate. Deploy instantly with a single-click.

Explainability Built In

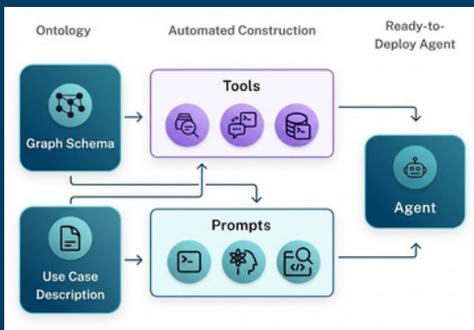
Expose retrieval steps, Cypher queries, and reasoning paths for transparency, debugging, and compliance.

Simplified AI Stack

Eliminate custom knowledge graph integration, AIOps, and orchestration glue with a single, managed platform.

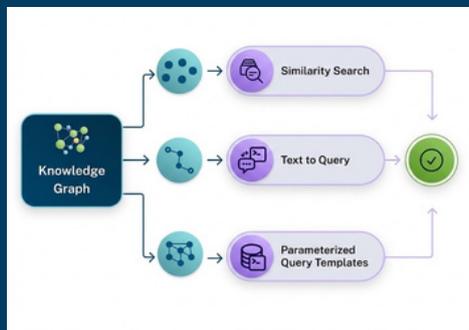
Ontology-driven AI

Auto-generate a ready-to-deploy draft agent in minutes customized to your graph schema and use case(s).



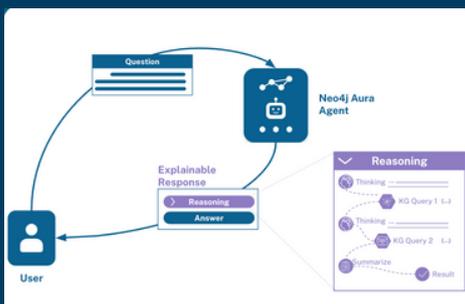
Accurate Agentic GraphRAG

Improve relevance with robust graph retrieval: vector search, query templates & text-to-query.



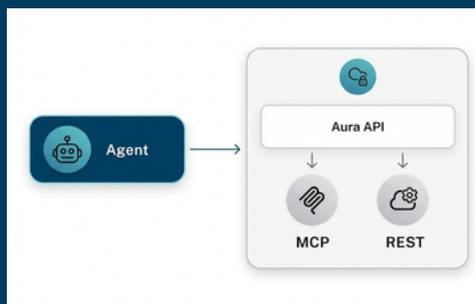
Advanced Reasoning and Explainability

Expose multi-hop reasoning chains and retrieval paths to users, developers, and downstream AI systems.



Single-Click Deployment

Secure, authenticated MCP + REST deployment in the cloud to simplify your AI stack

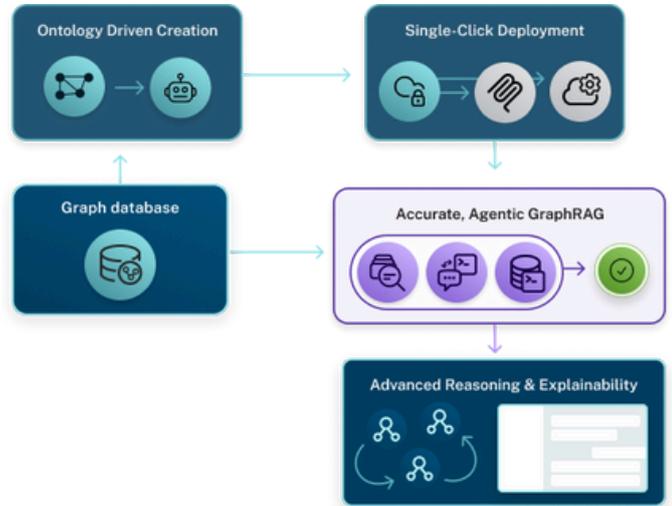


Use Case Scenarios

Expert Agents where Accuracy and Explainability are Critical including drug discovery and regulatory compliance in Pharma & Life Sciences, case prep in Legal, knowledge management in HR, and portfolio analysis & fraud detection in Financial Services.

Multi-Agent Systems where you can use the hosted, OAuth secured, MCP server to make Neo4j Aura Agent available as a tool to other agents. Integrate with your AI client of choice: Claude, Microsoft Copilot, Cursor, ChatGPT and more.

Create knowledge graph grounded agents using low/no-code and auto-generation tools. Rapidly test, debug, and iteratively prototype in a single agent-creation platform.



How Aura Agent Works

Graph-Powered Agents End-to-End

1

Auto-Construct Agents from Ontology

Generate ready-to-deploy draft agents directly from your knowledge graph schema and use case description.

2

Ground with Agentic GraphRAG

Combine similarity search, custom query templates, and dynamic text-to-query generation to retrieve accurate, contextual data.

3

Test & Iterate Visually

Test, refine, and evaluate agent behavior in a built-in low-code playground before deployment.

4

Deploy in One Click

Instantly expose agents via secure REST or MCP for consumption by users, multi-agent systems, and other apps.

Easily Deploy and Seamlessly integrate with your Tech Stack



Trusted by more than 1,600 global organizations, including 84 of the Fortune 100

