



Product Vision & Roadmap

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Safe Harbor Roadmap Disclaimer

The information presented here does not constitute, and should not be construed as, a promise or commitment by Neo4j to develop, market or deliver any particular product, feature or function.

Neo4j reserves the right to change its product plans or roadmap at any time, without obligation to notify any person of such changes.

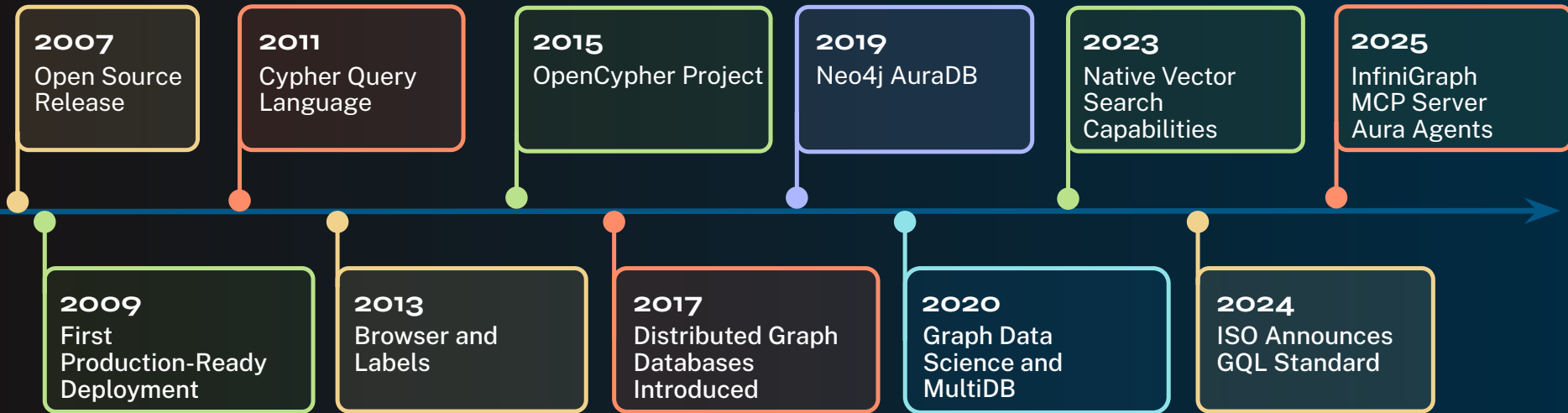
The timing and content of Neo4j's future product releases could differ materially from the expectations discussed herein.

Your Business is a Graph





Neo4j: Innovators leading the way





Technology Trends Driving Innovation

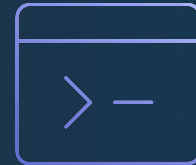
Cloud Computing



Data Growth & Complexity



GenAI





Product Vision

What Premium, trusted cloud-native graph intelligence platform

How Cross cloud, easy to use, and enable AI accuracy

Who For developers, data analysts, and data scientists

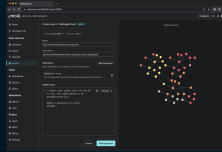
Graph Intelligence Platform



Graph AI

Aura Agents

Build multi hop agents in seconds.



Agentic Ecosystem

Integrate: AWS, GCP, Azure, LangChain, ServiceNow, SalesForce, Databricks & Snowflake



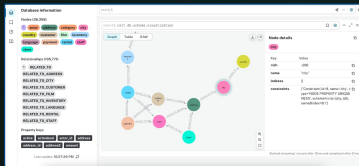
Agentic Brain

Provides foundational services like memory, context-graph to power all AI platforms.

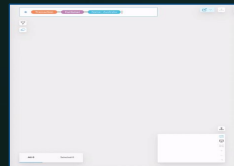


AI Powered Graph Tools

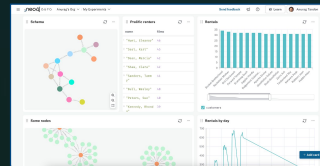
Browser (Query)



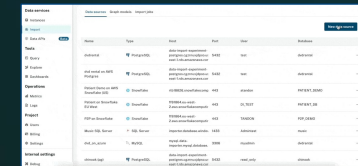
Bloom (Explore)



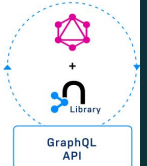
NeoDash(Dashboards)



Data & Document Import



GraphQL



Database & Graph Algorithms

Connectors



Database

Intelligent Operational Database

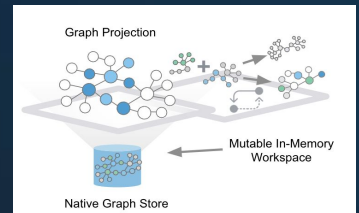
Better Predictions for Analytics



Graph Transactions, Storage & Querying

Graph Analytics, ML, & Data Science

Analytics (GDS)





Strategic Investments

Cloud First

Zero Ops
Fully Managed

Ease of Use

5 Seconds to Sign Up
Minutes to Wow
Days to Value

AI Accuracy

GraphRAG
Integrated Ecosystem

Trusted Fundamentals Scalability with Enterprise Security, Governance, and Compliance



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◦ **Trusted Fundamentals** Scalability with Enterprise Security, Governance, and Compliance



Fleet Management

Centralized Management

Monitor & manage all Neo4j databases across the enterprise

Proactive Monitoring

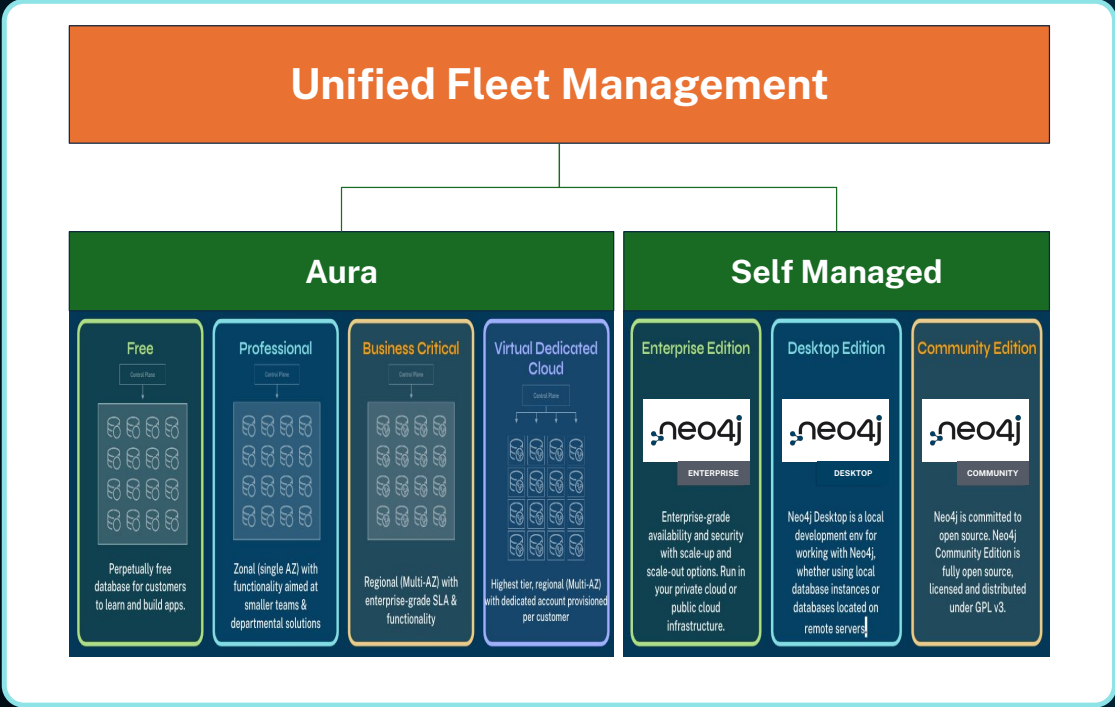
Insights and health monitoring to optimize performance and reliability
Identify security risks

Streamlined Operations

Seamless workload operations across databases to reduce risk and downtime of your enterprise data

Easily migrate

self managed databases to Aura with few clicks



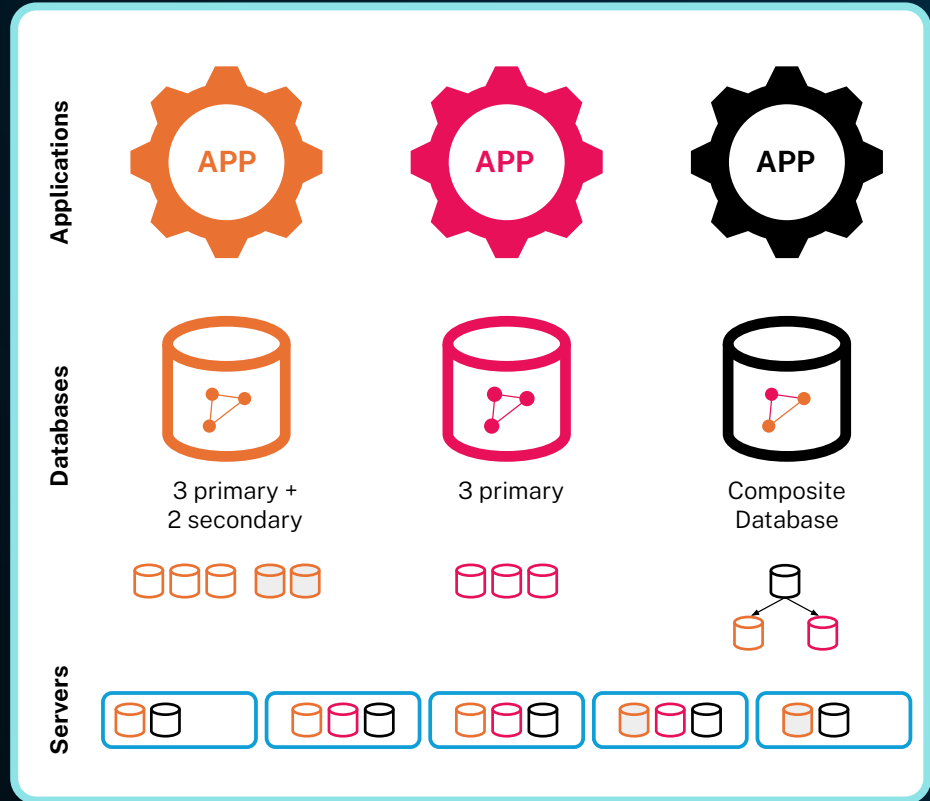


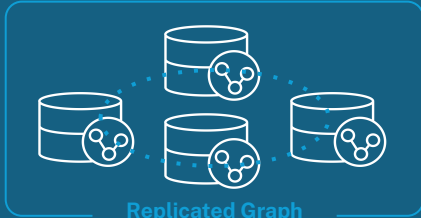
Autonomous Clustering

High availability with multi-DB support.

Servers and databases are decoupled: servers provide computation and storage power for databases to use. Each database relies on its own autonomous cluster, organized in primaries and secondaries.

Scalability, allocation / reallocation, service elasticity, load balancing, automatic routing are automatically provided (or they can be finely controlled).





Replicated Graph

Graph that fits on single machine in a single clustered environment replicated for read scalability.



Federated Graph
(Fabric)

Different graphs (supply chain & parts graph) in an organization being queried to aggregate information.

Could be Replicated
or Sharded.

INTRODUCING

Neo4j Infinigraph

One Graph. Massive Scale.

ACID Compliance.

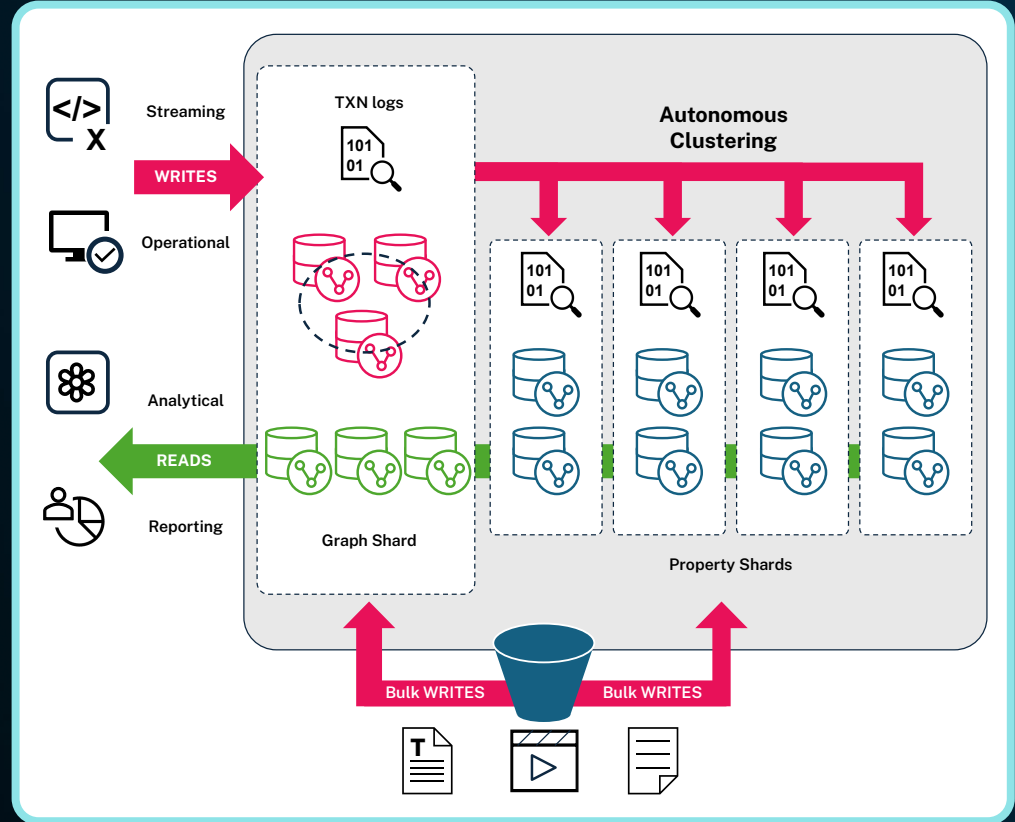
- **100TB+ scale** with full ACID compliance
- **One system** for transactions and analytics
- **Distributed by design, full graph integrity**
- **AI-ready** - billions of vectors directly in the graph





Large Graph Support

- **High data volumes** - up to 100TB (and potentially more) of graph data
- **Fast data loading** - initial bulk import and staging/live incremental updates
- **Semantic indexes** - sharded full-text and vector indexes are natively integrated
- **ACID** - fully transactional and ACID compliant
- **Simplicity** - Transparent to user, standard Cypher
- **Analytics** - supports Neo4j tools (Query, Explore, Graph Analytics)
- **Transparent** to all API calls





Create Large Scale Sharded Graphs



Replicated Graph

Graph that fits on single machine in a single clustered environment replicated for read scalability.



Federated Graph
(Fabric)

Different graphs (supply chain & parts graph) in an organization being queried to aggregate information.

Could be Replicated or Sharded.



Sharded Graph
(InfiniGraph)

Single Graph sharded across many machines across clustered environments.

Growing need to support large graph sizes.

Now Available



CORE DATABASE ENHANCEMENTS

Language Enhancements

GQL as ISO Standard for Graph Queries

Conditional Subqueries to provide more flexibility and expressive power to handle complex querying scenarios

Quantified graph patterns & Quantified path patterns for simplified execution

Cypher version can be selected at DBMS, database and single-query level: server upgrades **do not require** query migration. Query Language is decoupled from the server releases

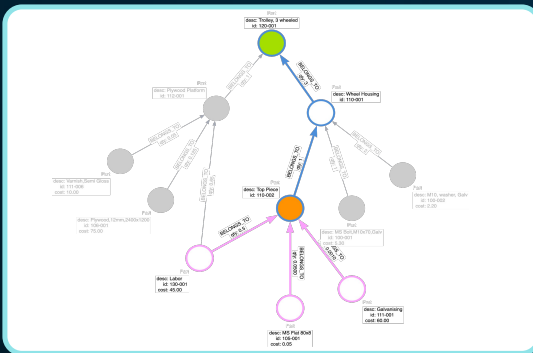
Conditional Queries

```

MATCH (n:Person)
CALL (n) {
  WHEN n.age > 60 THEN {
    SET n.ageGroup = 'Veteran'
  }
  WHEN n.age >= 35 AND n.age <= 59 THEN {
    SET n.ageGroup = 'Senior'
  }
  ELSE {
    SET n.ageGroup = 'Junior'
  }
}
RETURN n.name AS name, n.ageGroup

```

Graph Pattern Matching



Quantified Path Patterns

GPM: preparatory work:

node pattern predicate

```

MATCH (a:A|B&C) WHERE a.p > 3 -[b:R]S WHERE b.t >= 0 -> (c)

```

label expression

relationship type expression

relationship pattern predicate

GPM: Quantified Path Patterns (QPPs):

path pattern predicate concatenation

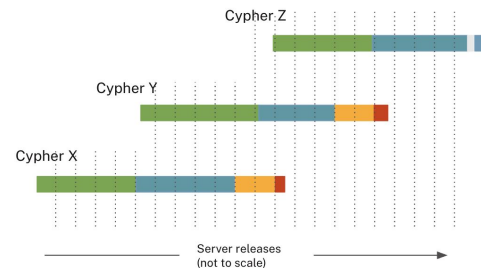
```

MATCH (a) ((x)-[:R]->(y) WHERE x.n > y.n){1,6} (b)-[:S]->(c)

```

quantified path pattern

Cypher Versioning





Performance & Scalability

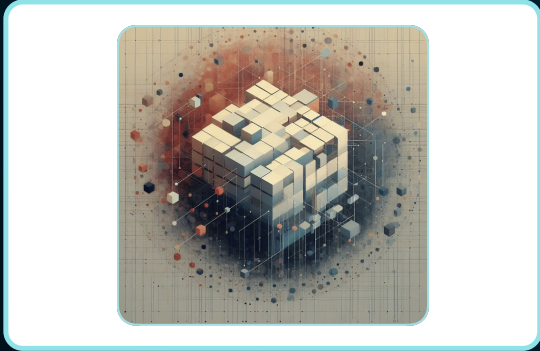
Block Format is superior graph native format to group graph data into blocks that reduces amount of data read with greater **performance** in memory-constrained scenarios

Parallel Runtime speeds up analytical queries up to 100x by concurrent execution on all cores

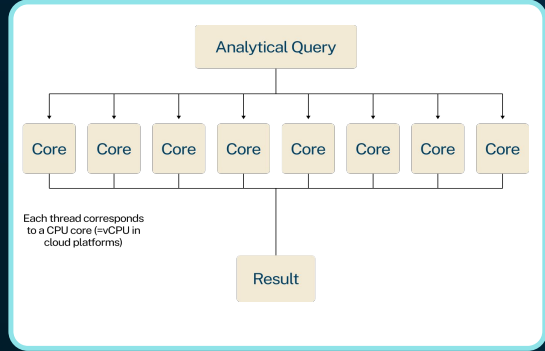
CDC enables graph changes published as events in real-time (full or diff mode)

Autonomous clustering with **multi-db** for multi-tenant SaaS solutions

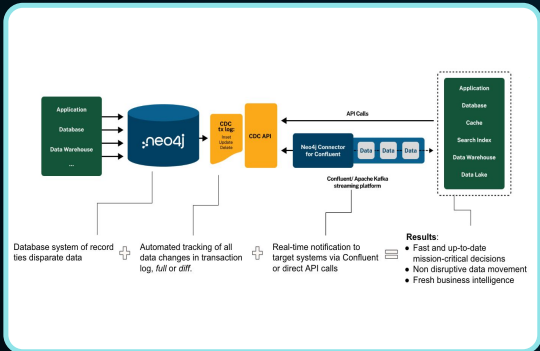
Block Format



Parallel Runtime



Change Data Capture



Autonomous Clustering (with Multi DB)





Security & Operations

Schema: Unique relationship property, relationship key, property data types

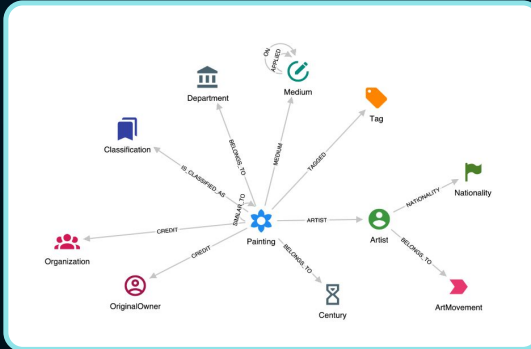
Property Based Access Control (PBAC)

for RBAC, data-driven rules to control READ and TRAVERSE privileges on nodes

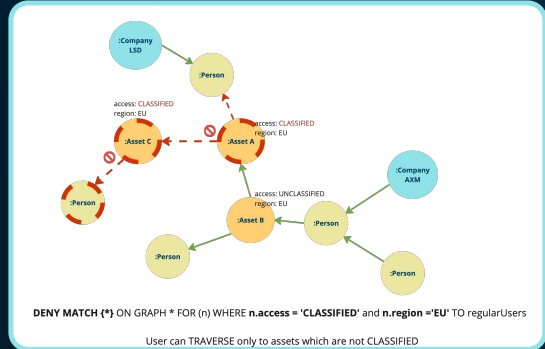
Ultra-high speed **incremental importer** addition to offline importer

Incremental backup and recovery

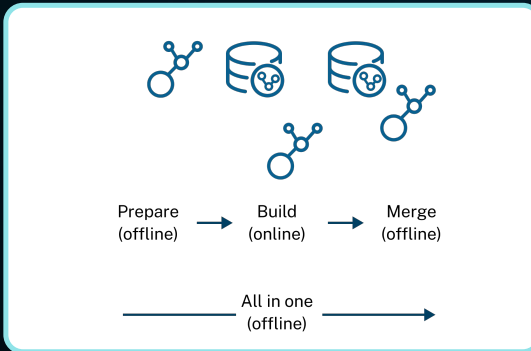
Graph Schema



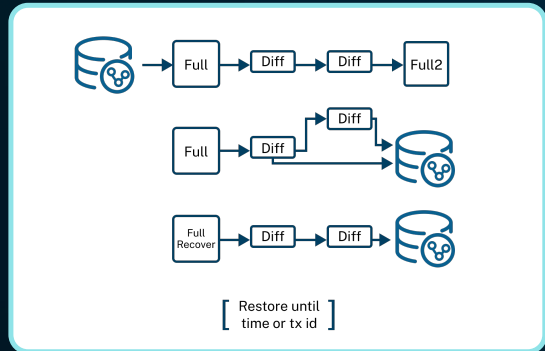
Property Based Access Control (PBAC)



Offline Incremental Importer



Differential Backup & Point in Time Recovery





CORE DATABASE ENHANCEMENTS

Vector Support

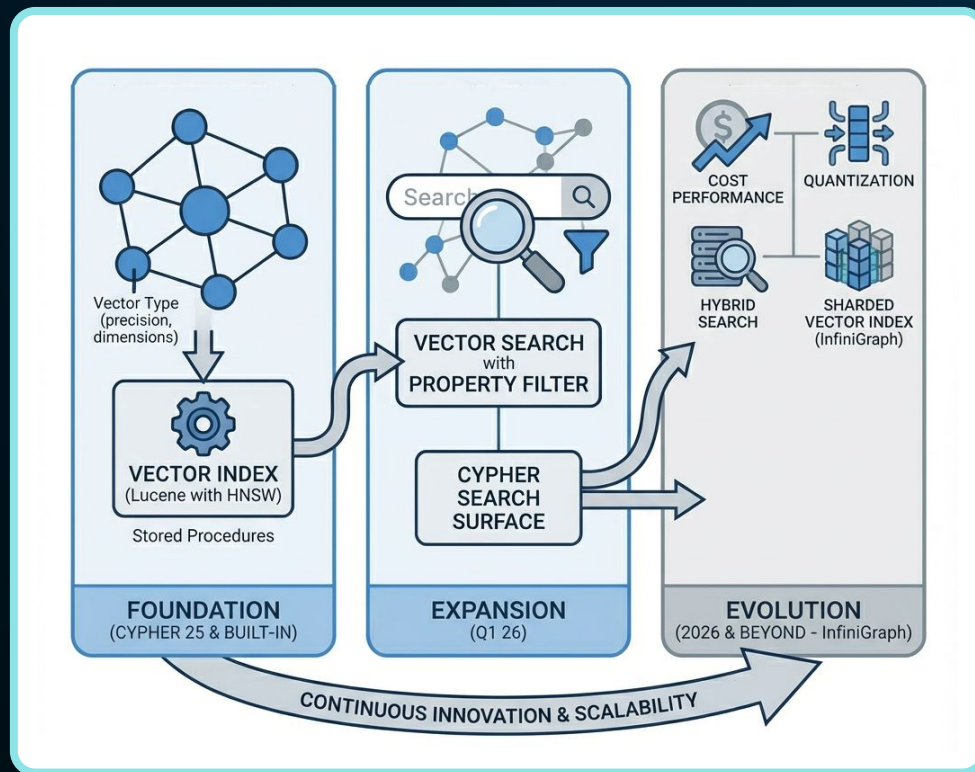
Vector Type in Cypher 25

Store embedding properties on nodes and relationships as vector in the database

Vector Index built into the database

Embedding generation from Cypher AI functions for OpenAI, Azure OpenAI, VertexAI, Bedrock

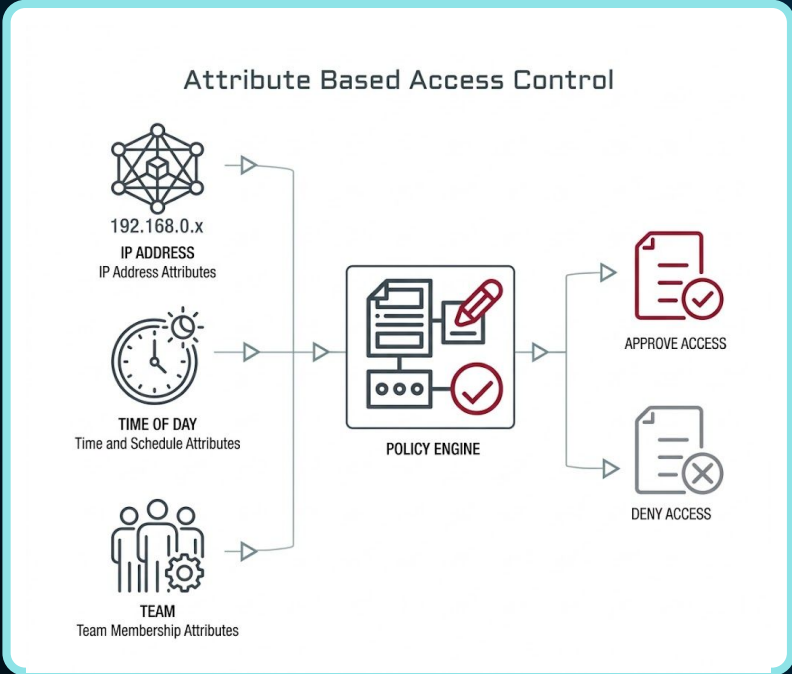
Vector Search with filters and Cypher Search Surface





ABAC - Attribute-Based Access Control

- Dynamically control access based on attributes, such as IP addresses, time of day, or other custom environmental & contextual factors.
- Limiting access based on attributes like IP addresses prevents unauthorized access from untrusted locations, adding an extra layer of protection.

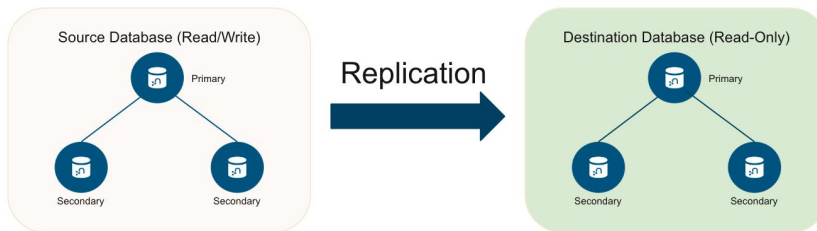




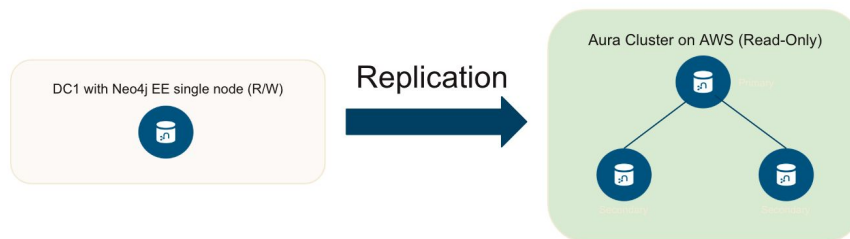
Cross-Cluster Replication

- Replication of data from one database instance to another.
- Replication across instances running in any configuration (across DCs, Clouds platform, Self managed vs Aura).
- Neo4j to be Tier 1 platform in enterprises with potential to deliver RPO (0) /RTO (15min)

High Availability across DCs/Regions



Migrate Self Managed Databases to Cloud





Strategic Investments

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Zero Ops
Fully Managed

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CLOUD FIRST CAPABILITIES

Focus on Your App, Not Infrastructure!

Available on Google Cloud, AWS, and Azure

99.95% uptime SLA with self-healing
cluster architecture

Scale up to 512GB RAM for large
memory-intensive graphs

Automated backups and restore

Automated upgrades, zero maintenance



Available on all major
cloud providers

More than
30k
Managed
Databases



Aura Launches 2025 / 2026

Q2 '25

- ✓ Feature: Online Tier Upgrades (Pro to BC)
Date: 3 April
- ✓ Aura Graph Analytics GA (inc Sessions)
Date: 7 May
- ✓ Feature: GraphQL API GA
Date: 7 May
- ✓ Feature: Adjustable Storage (GPC, prepaid BC & VDC)
Date: 8 May
- ✓ AuraDB Pro for Fabric Public Preview
Date: 15 May
- ✓ Feature: HTTPS Connection for User Tools via console
Date: 16 June
- ✓ Feature: Adjustable Storage (GPC, PAYG Po + BC)
Date: 17 June
- ✓ Feature: Multi Factor Authentication (App Authenticator TOTP)
Date: 17 June
- ✓ Feature: Predefined roles (Professional)
Date: 19th June

Q3 '25

- ✓ Feature: IP Filtering BC & VDC EAP
Date: 7 July
- ✓ Enterprise Fleet Management EAP
Date: 21 July
- ✓ Tool authentication with Aura user (Professional)
Date: 21 July
- ✓ Feature: IP Filtering BC & VDC GA
Date: 31 July
- ✓ Feature: Cloud Object Storage Import to Aura
Date: 1 August
- ✓ Feature: Secondaries for Business Critical
Date: 4 August
- ✓ Feature: Adjustable Storage - AuraDB AWS
Date: 18 August
- ✓ New Regions: AWS Frankfurt & GCP Montreal
Date: 22 August
- ✓ New: Query Log Forwarding GA
Date: 4 September
- ✓ New: Enterprise Fleet Management - GA
Date: 8 September
- ✓ New GCP PAYG Marketplace listing (inc BC)
Date: 19 September
- ✓ New Dashboards: Export, Import, Query UI
Date: 24 Sept
- ✓ New: Tool authentication with Aura BC user
Date: 30 Sept

Q4 '25

- ✓ New: Aura Agent Preview
Date: 2 October
- ✓ New: AuraDB Pro Trial on GCP Marketplace
Date: 6 October
- ✓ New: MultiDB Preview
Date: 9 Oct
- ✓ New Regions: Azure Netherlands for Pro & BC
Date: 13 October
- ✓ Feature: Aura Activity Feed
Date: 21 October
- ✓ New: Data Importer API
Date: 22 October
- ✓ New: Graph Intelligence for MSFT Fabric
Date: 23 October
- ✓ Feature: Adjustable Storage - AuraDB Azure
Date: 4 November
- ✓ Feature: Credit Balance in Aura Console
Date: 12 November
- ✓ New AWS PAYG Marketplace listing (inc BC)
Date: 19 November
- ✓ New: Vector Native Type in Aura
Date: 20 November
- ✓ New: Terraform for Aura (Labs)
Date: 3 December

Q1 '26

- ✓ New Azure PAYG Marketplace listing (inc BC)
Date: 13 Jan
- ✓ New Region: AWS Thailand (ap-southeast-7) for Virtual Dedicated Cloud
Date: 20 Jan
- ✓ New: [console.neo4j.io](#) now the primary domain for Aura Console
Date: 22 Jan
- ✓ New: Aura Activity Feed API
Date: 22 Jan
- ✓ Graph Intelligence MSFT Fabric - connect existing Pro and BC running on Azure
Date: 29 Jan
- ✓ New: Billing API (private preview)
Date: 30 Jan
- ✓ New: Aura Agent GA
Date: 4 Feb
- ✓ New: Bulk Import in Aura (Public Preview)
Date: 24 Feb
- ✓ New: 2TB:5TB GCP (EAP)
Date: 27 Feb
- ✓ New: Adjustable storage "1:16" all clouds / paid tiers
Date: 2 March

Comprehensive Cloud Offerings for Your Workloads

Now Available



Free

Control Plane



Perpetually free
database for customers
to learn and experiment
with apps

Professional

Control Plane



Zonal (single AZ) with
functionality aimed at
smaller teams &
departmental solutions

Business Critical

Control Plane



Regional (Multi-AZ) with
enterprise-grade SLA
& functionality

Virtual Dedicated Cloud

Control Plane



Highest tier, regional
(Multi-AZ) with dedicated
account provisioned
per customer

New Capabilities

3 paid SKUs: Fit your workloads across Aura Professional, Business Critical, and Virtual Dedicated Cloud

Free Trial: Try Aura Professional before you buy

Scale Out: Secondaries provide ability to scale out for read heavy workloads

Security: SSO using IDPs such as AAD and Okta, encryption in-transit and at-rest; CMEK, private VPC and private links, standard industry compliance

Aura Pro (Free Trials)

Now Available



Professional

Starting from

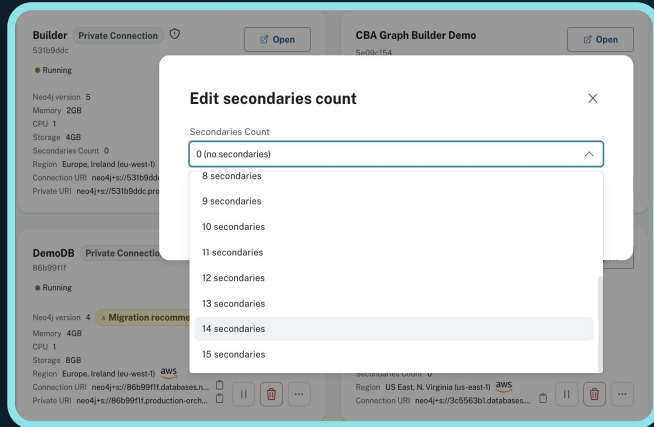
\$65

 /month

For medium scale applications in advanced development or production environments.

7 day free trial available

Secondaries For Scale Out



Now Available



AURADB NEW CAPABILITIES

Adjustable Storage

Scale storage and RAM independently for greater flexibility, aligning resources with real workload needs.

Pay for what you need, avoiding unnecessary compute costs when storage grows.

Available across all AuraDB paid tiers, with a simple, consistent experience.

^ Instance size			
	Memory	CPU	Storage
<input type="radio"/>	2GB	1 CPU	4GB
<input type="radio"/>	4GB	1 CPU	8GB
<input type="radio"/>	8GB	2 CPU	16GB
<input checked="" type="radio"/>	16GB	3 CPU	128GB
<input type="radio"/>	32GB	6 CPU	32GB Included
<input type="radio"/>	64GB	12 CPU	+\$.0551/hour
<input type="radio"/>			128GB +\$.1652/hour
<input type="radio"/>			128GB



Graph Analytics

Pay-as-you-go, Serverless offering providing 65+ built-in graph algorithms for use with any enterprise data on any cloud platform

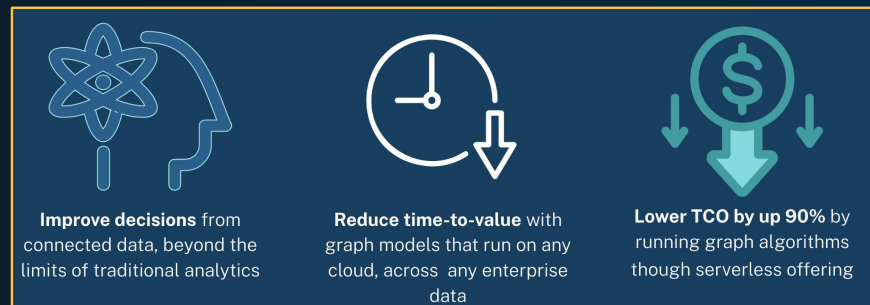
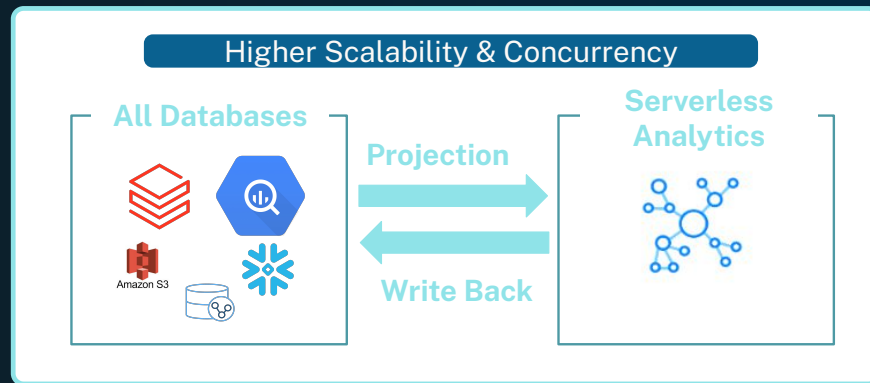
Use **Graph Analytics in any data** in any system without full replication.

Deliver **most advanced graph algorithms** in industry across CPU & GPU

Deliver **serverless experience** so customers only pay for what they use

Enable **real-time execution** with high throughput scenarios

Enable **interactive experiences** with multiple analysts and data scientists running parallel algorithms





AURADB NEW CAPABILITIES

Security & Compliance

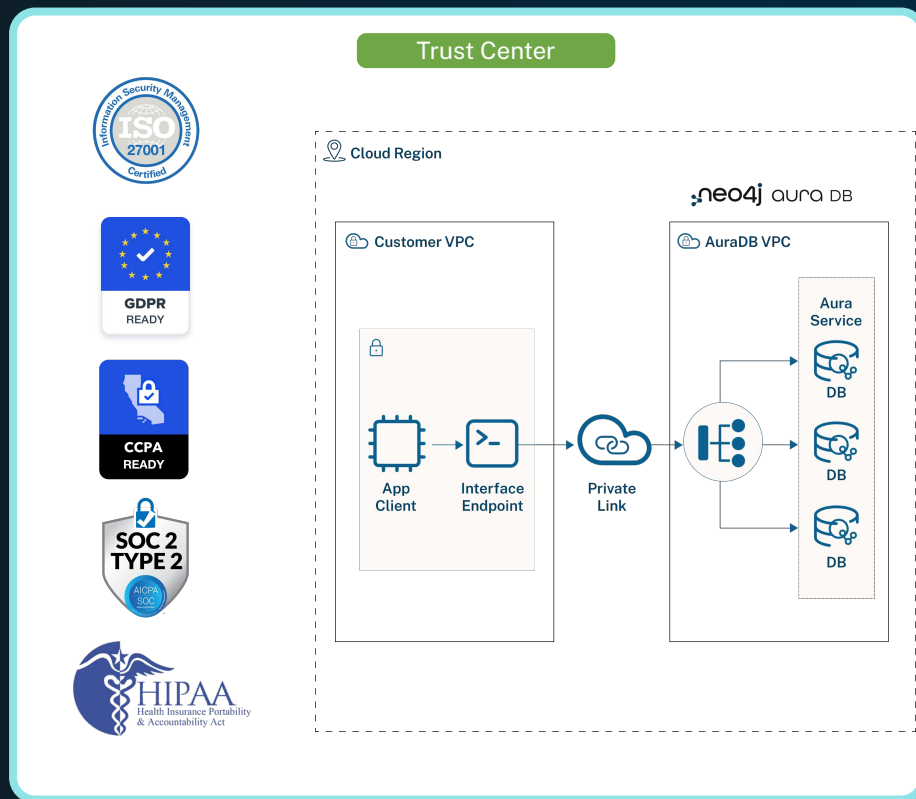
SSO using IDPs such as Entra and Okta

Fine-grained access control

Encryption in-transit and at-rest;
Customer Managed Keys

Private VPC and Private Links

Standard Industry Compliance





Project and Billing Management

Customer-led project creation: Group projects by product, environment, or cost center.

Flexible payments: Multiple payment methods with marketplace upgrades and project transfers.

Prepaid credits visibility: Credit balances shown in the console.

*Business Critical and Professional now; VDC in 2026.

The screenshot displays the 'Projects' management interface. At the top, there is a search bar with the placeholder text 'Search', a view toggle (list and grid icons), and a 'Create project' button. Below this, a grid of six project cards is shown. Each card represents a project named 'data-project-production-1' with the ID 'f9dd2484-d62d-5884-960e-77d04903ab5b'. Each card also indicates '10 Instances' and '41 Members'. A right-pointing chevron is visible on each card, suggesting further details are available. The interface is clean and modern, with a dark theme.



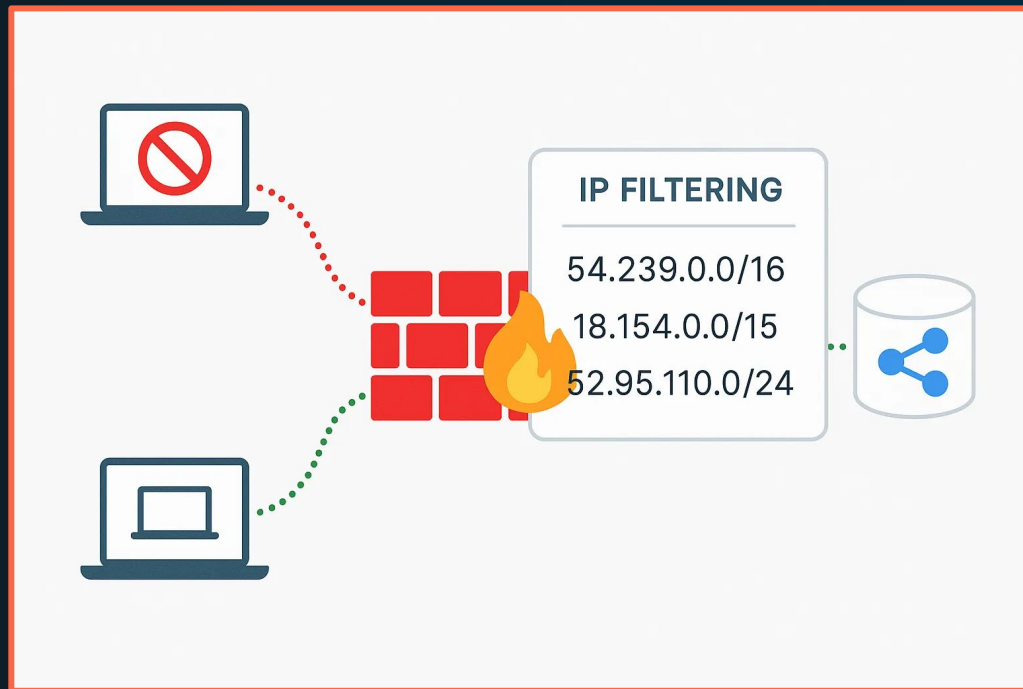
IP Filtering

Control network access with IP allow-lists on VDC and BC tiers

Works with public, private, or hybrid network setups

No endpoints or DNS required, simple UI or API setup

Enforce consistent network access rules across instances and projects





AURADB NEW CAPABILITIES

Activity Feed

Comprehensive activity tracking: Captures all user actions across an Aura Org via Console UI and Admin API.

Broad event coverage: Tracks networking, security, observability, and operational events.

Admin visibility & compliance: Filterable console for auditing, incident investigation, and compliance (API access planned).

Project Activity Feed Export

Select time range Last updated: Today 17:27:58

Time <input type="text"/>	Status	Action ID	Action Name	Email	IP Address	<input type="text"/>
Oct 4 00:56:32	● SUCCESS	0002	INSTANCE_PAUSE	paul.blewett@neo4j.com	90.243.157.89	→
Oct 3 16:56:25	● SUCCESS	0101	DATA_SNAPSHOT_CR...	jon.giffard+enterprise...	86.157.234.255	→
Oct 3 13:24:24	● SUCCESS	0001	INSTANCE_CREATE	jon.giffard+enterprise...	86.157.234.255	→
Oct 3 11:52:57	● SUCCESS	0005	INSTANCE_DELETE	jon.giffard+enterprise...	86.157.234.255	→
Oct 3 11:51:18	● SUCCESS	0006	INSTANCE_UPDATE	jon.giffard+enterprise...	86.157.234.255	→
Oct 3 11:43:46	● SUCCESS	0006	INSTANCE_UPDATE	jon.giffard+enterprise...	86.157.234.255	→
Oct 3 11:41:14	● SUCCESS	0001	INSTANCE_CREATE	jon.giffard+enterprise...	86.157.234.255	→
Oct 3 11:07:42	● SUCCESS	0005	INSTANCE_DELETE	jon.giffard+enterprise...	86.157.234.255	→
Oct 3 11:07:16	● SUCCESS	0001	INSTANCE_CREATE	jon.giffard+enterprise...	86.157.234.255	→
Oct 2 23:51:07	● SUCCESS	0005	INSTANCE_DELETE	jon.giffard+enterprise...	86.157.234.255	→

Showing 1-10 < > Show 10



Multi-DB on Aura

Enables AuraDB customers to create **multiple databases** within a single AuraDB Instance

Cost Efficiency: Reduces the need for multiple AuraDB instances, lowering infrastructure and operational costs.

Improved Scalability: Allows users to add databases quickly without provisioning new instances, speeding up growth.

MDB Test Instance ● RUNNING ✕

Overview Databases Snapshots Restore from backup file

Create database

Name	Nodes	Relationships	Status	
08c35c84	96	28	● RUNNING	...
293fd870	44	13	● RUNNING	...
317dbb62	44	13	● RUNNING	...
5ecdc519	150	31	● RUNNING	...
6c237bc0	44	13	● RUNNING	...
c061327b	100	34	● RUNNING	...
cd78d1e0	53	14	● RUNNING	...
eaaa7736	44	13	● RUNNING	...

Showing 1-8 of 8 results
Show 10 ▾



Security & Compliance

Group Console role mapping, dynamic SSO, and SCIM for Aura are also coming, enabling automated user provisioning and deprovisioning across identity domains.

Support for Custom SSO removing need for Support assisted configurations, **Project level SSO** will also apply for existing instances

Private Endpoints (aka Private Link) for Business Critical Tier

New Compliance: ISO 9001 & Aura FIPS, ISO 27017/18 and TISAX

The diagram illustrates the SCIM (System for Cross-domain Identity Management) architecture. On the left, an 'Enterprise Organization' (represented by a classical building icon) connects via a 'Single interface' to a central 'SCIM' component. This SCIM component then manages 'SCIM Endpoints' (represented by icons of a document with a gear) and 'Cloud Apps' (represented by cloud icons with arrows). The diagram is attributed to 'descope'.

Compliance logos shown include:

- ISO 9001:2015
- FIPS 140-2 VALIDATED
- TISAX
- ISO 27017 Certified
- ISO 27018 Certified



Configurations up to 2TB:5TB

Support enterprise-scale workloads on AuraDB Business Critical and VDC.

Enable large strategic self managed migrations to Aura by removing current compute and memory constraints

Early Access Program on GCP in Q1, ahead of General Availability.

Increase standard storage limits to up to 4TB* for AuraDB Business Critical and VDC

*capability available on request

The screenshot displays the configuration interface for an AuraDB instance. It is divided into three main sections: Instance details, Cloud provider & region, and Sizing.

- Instance details:** The Name field is set to "GCP EAP".
- Cloud provider & region:** The Cloud provider is set to "Google Cloud" and the Region is set to "Belgium (europe-west1)".
- Sizing:** This section is further divided into "Memory & CPU" and "Storage".
 - Memory & CPU:** Set to "2048GB Memory | 96 CPU" with a "Prepaid" billing option.
 - Storage:** A table lists two options:

Storage	Price
4096GB (included)	(included)
5120GB	+\$1.7613/hour

A warning message states: "Prepaid billing required. Large database sizing options are only available through prepaid." A "Contact sales" button is located below the warning.



Strategic Investments

Cloud First

Zero Ops
Fully Managed

Ease of Use

5 Seconds to Sign Up
Minutes to Wow
Days to Value

AI Accuracy

GraphRAG
Integrated Ecosystem

Trusted Fundamentals Scalability with Enterprise Security, Governance, and Compliance

Unified Experience

Improved workflows with a single hub for all data management tasks

Consistent user experience through a **single unified console** across Neo4j tools

Easier collaboration as teams can share resources and collaborate on projects

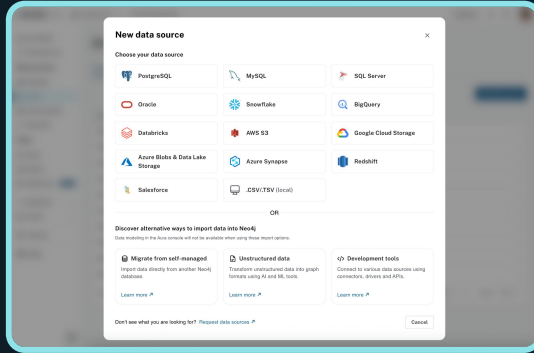
Improved productivity with GenAI copilot by helping developers write and improve Cypher queries

Secure data access with expanded roles and new access controls

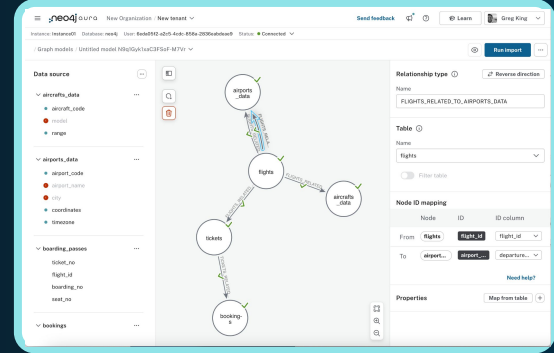
Now Available



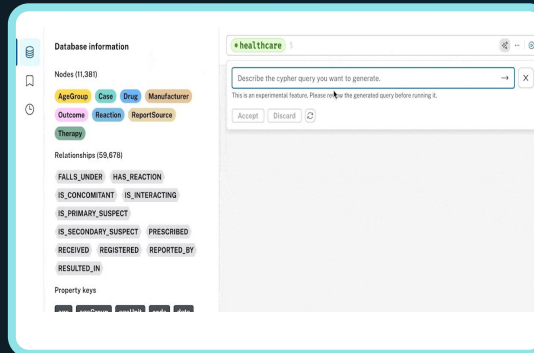
Data Import (growing sources)



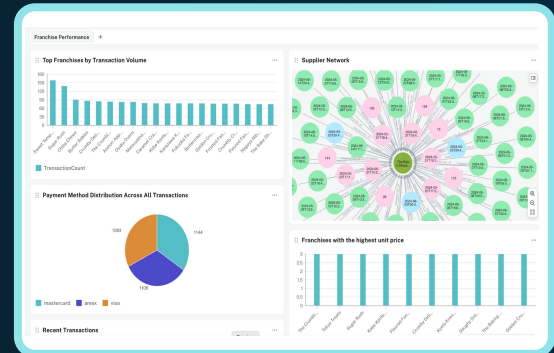
One Click Graph Data Modeling



Co-pilot for Cypher Adoption



AI Powered Dashboards





Developer Surfaces

VS Code enables syntax highlighting, auto completions, connection mgmt, and more

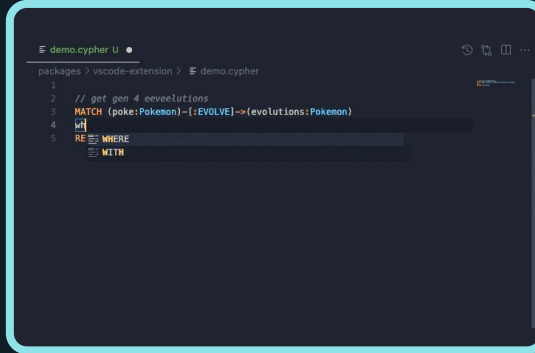
JDBC Driver enables tool integrations, supports SQL translation, and schema mapping

Neo4j GraphQL library and service to deploy low code API with GraphQL

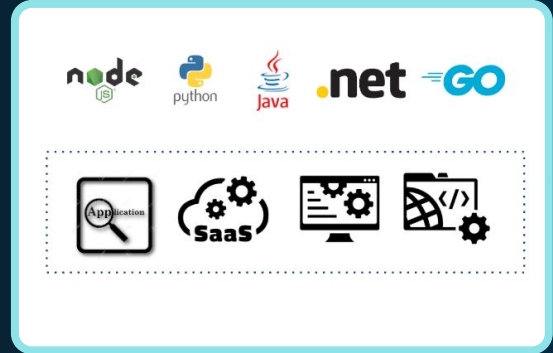
Query API (Cypher over HTTPS) allows for single Cypher requests with the response returned as JSON

Model Context Protocol (MCP) Server

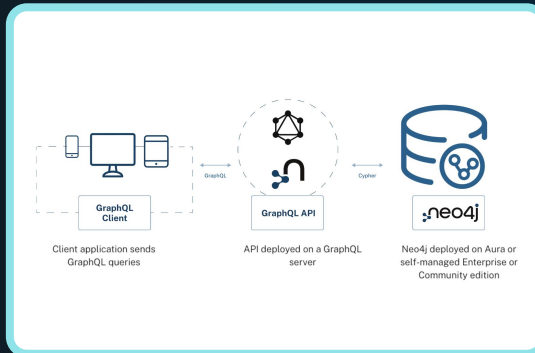
VS Code Extension



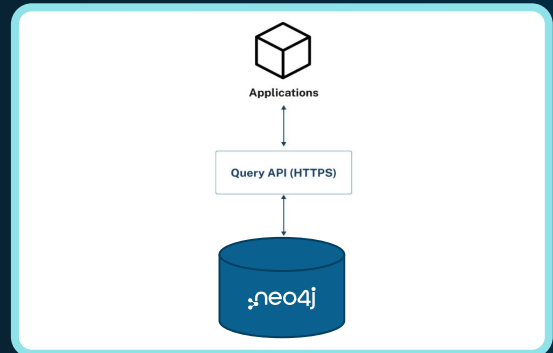
Drivers & Connectors



GraphQL Support



Query API



VS Code Extension

Now Available



The screenshot shows the VS Code interface with the Neo4j extension. The main editor displays a Cypher query for reporting lines. On the left, the 'CONNECTIONS' panel shows a connected Neo4j instance. Below it, the 'DATABASE INFORMATION' panel lists labels like Person, Location, and Department. At the bottom, the 'PARAMETERS' panel shows the query's configuration, including a limit of 10 and various parameter names.

```
1 // Reporting lines
2 MATCH pth=(Person)-[:REPORTS_TO]->(Person)
3 RETURN pth LIMIT $LimitUnit;
4 // Index from Location SPIN
5 MATCH pth=(Person)-[:WORKS_FROM]->(Location)
6 RETURN pth LIMIT $LimitUnit * 10;
7 // Reporting Lines SPIN
8 MATCH pth=(Person)-[:REPORTS_TO]->(Person)
9 RETURN pth LIMIT $LimitUnit * 100;
10 // Reporting Lines SPIN
11 MATCH pth=(Person)-[:REPORTS_TO]->(Person)
12 RETURN pth LIMIT $LimitUnit * 1000;
```

This screenshot shows the VS Code interface with the Neo4j extension. The main editor displays a Cypher query. On the left, the 'CONNECTIONS' panel shows a connected Neo4j instance. Below it, the 'DATABASE INFORMATION' panel lists labels like Person, Location, and Department. At the bottom, the 'PARAMETERS' panel shows the query's configuration, including a limit of 10 and various parameter names. The right side of the interface shows a query results panel with a graph visualization and a table of results.

```
6 RETURN m,n,r;
7
8 MATCH (n)-[r]->(c)
9 CALL (n) {
10 | RETURN n as m
11 }
12 RETURN m,n,r;
13
14 MATCH (n)
15 CALL id(n);
16
17 MATCH (n)
18 RETURN id(n);
```

Dedicated Query results panel with familiar graph and table visualization from Browser

Neo4j version-specific linting, with multiple linters available for use with connected version

Completions use the latest grammar

Now Available



HYBRID DEVELOPER EXPERIENCE

Desktop V2

Unified local console with Neo4j Enterprise Edition installation

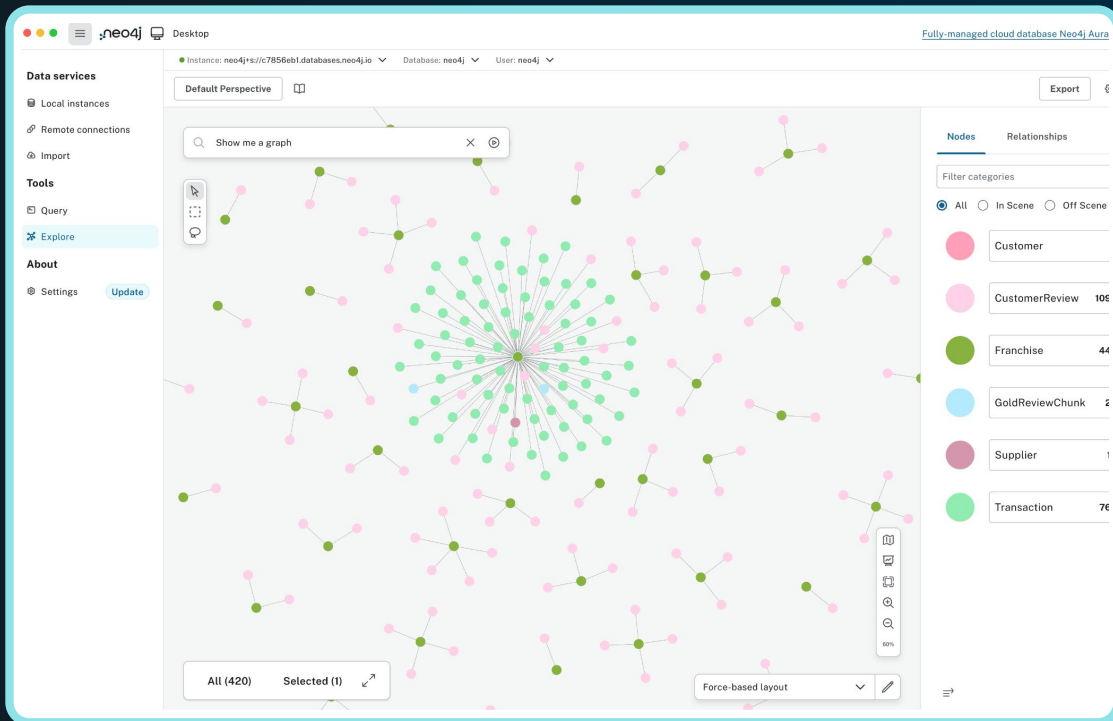
Convenience of **offline working**

Enable **remote connections**, including to Aura Databases

Migrate local databases to Aura

Unified login with Aura

Coming in 2026





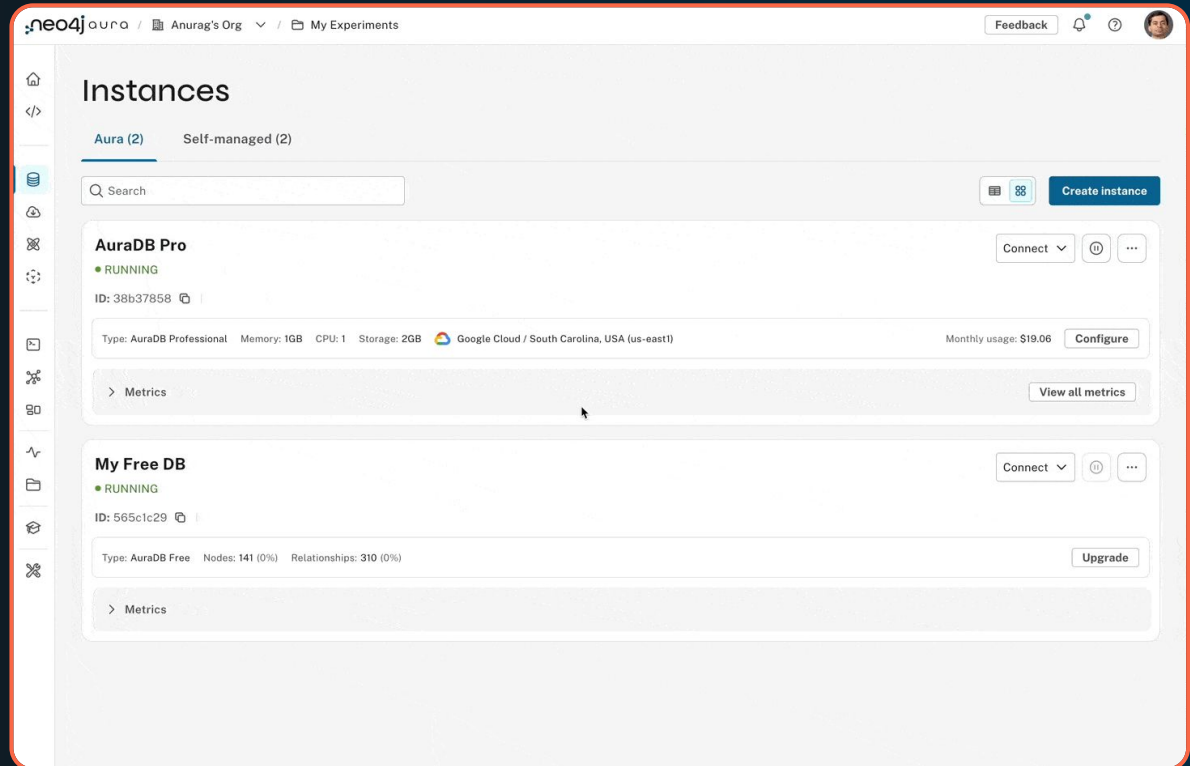
Aura Console supports all Neo4j DBs

Register any available deployment of Neo4j:

Desktop, Community Edition, Enterprise Edition, even Aura instances from another account.

External deployments appear alongside Aura instances. **Connect with any Console tool** by providing the database user credentials.

Deployments are **shared with other members** of your Aura project.





Modeling as top level tool

Top-level tool - Data modeling as a 1st class user tool, independent of Data import

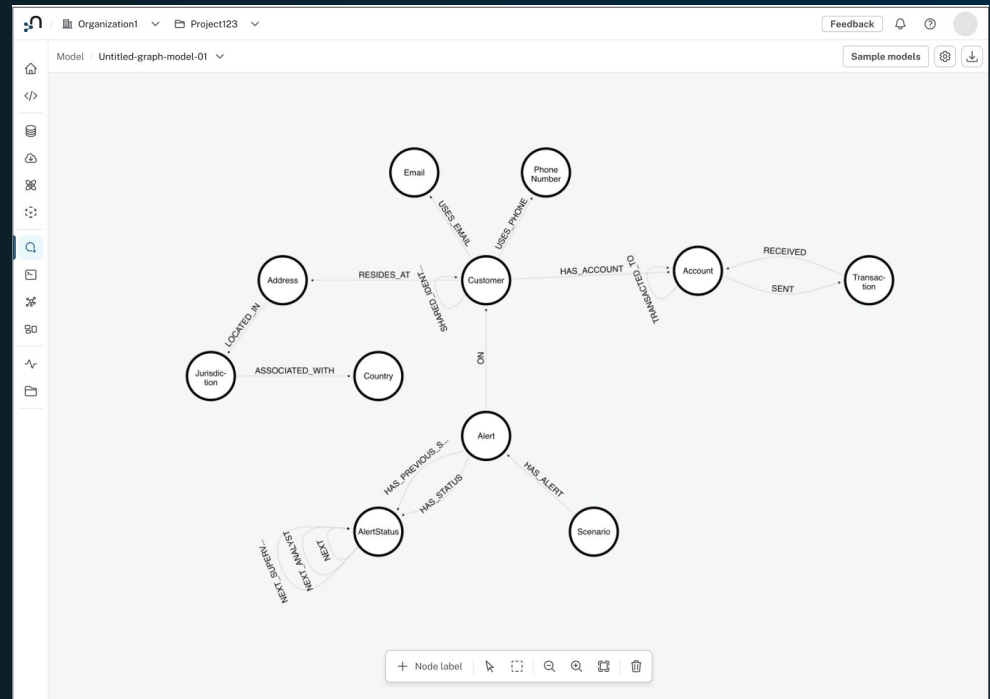
Data model repository - Customers can create several data models, and also get access to a repository of use-case-specific sample models

Graph schema enforcement - Enforce data models using graph schema capabilities in the database

Better Graph Experience - Making graph data modeling easier (especially with sample models) increases the chances of project success

Apply Models elsewhere - customers can create graph data model in this tool and export for use with external data pipelines

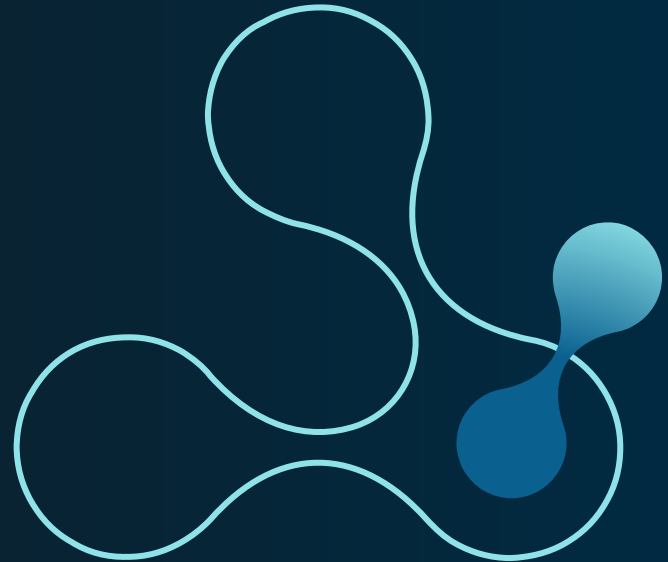
Stronger collaboration - allows teams to collaborate on data models before implementing





Neo4j in Action

=== DEMO ===





Neo4j graph tools

Neo4j Desktop



browser



bloom



importer



dashboards



Neo4j Aura Console



browser



bloom



agents



importer



dashboards



and more



- Local or remote databases
- For individual testing and evaluation, **no sharing**
- **Local storage** for dashboards, queries, scenes

- Aura or self-managed databases
- Sharing and collaborative development
- AI Copilots
- **Cloud storage** for dashboards, queries, scenes, data models

Basic functionality, free for everyone

The most comprehensive experience included with Aura



Neo4j graph tools

Neo4j Desktop



browser



bloom



importer



dashboards



Neo4j Aura Console



browser



bloom



agents



importer



dashboards



and more



Neo4j Enterprise Studio



browser



bloom



importer



dashboards



- Local or remote databases
- For individual testing and evaluation, **no sharing**
- **Local storage** for dashboards, queries, scenes

- Aura or self-managed databases
- Sharing and collaborative development
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- **Cloud storage** for dashboards, queries, scenes, data models

- Self-managed databases
- Sharing and collaborative development
- **Self-managed storage** for dashboards, queries, scenes

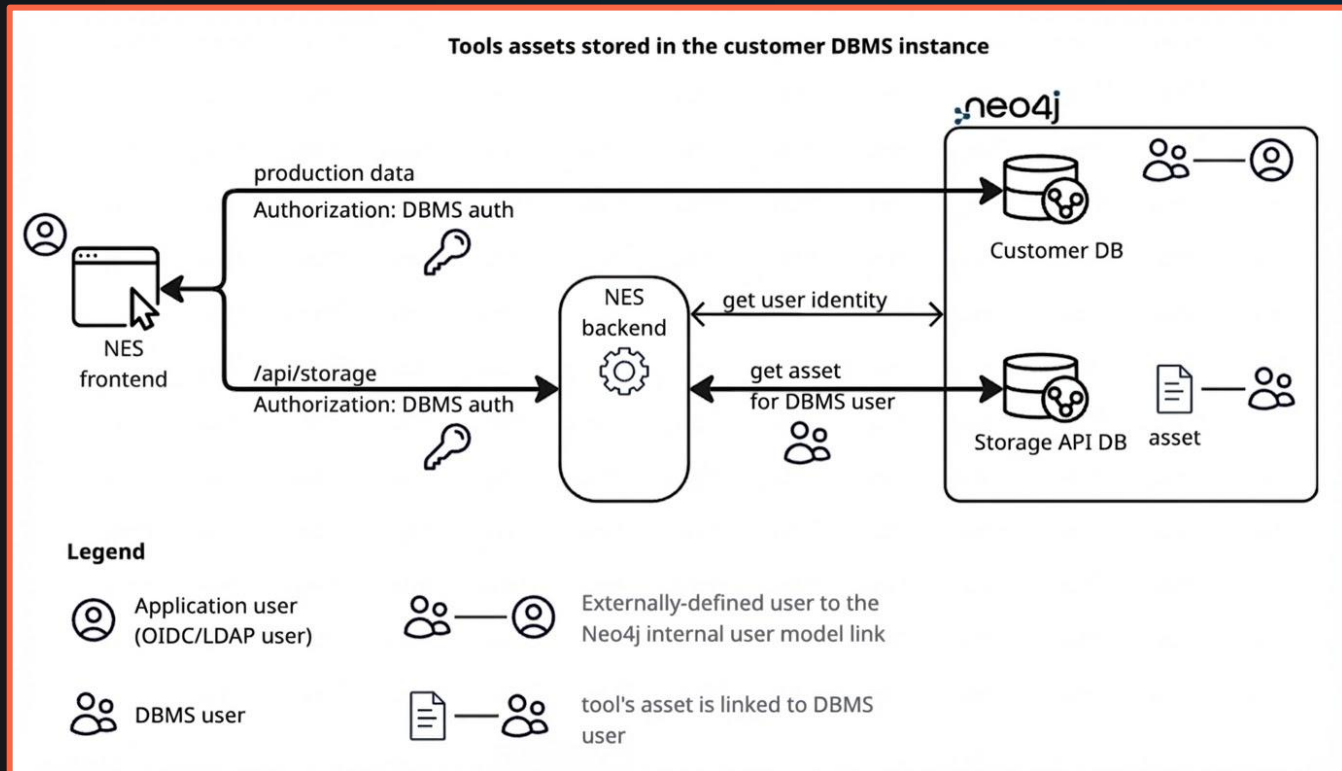
Basic functionality, free for everyone

The most comprehensive experience included with Aura

Graph tools for self-managed Neo4j Enterprise



Neo4j Enterprise Studio





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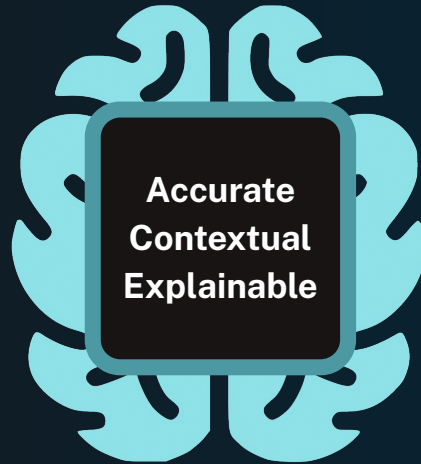
Knowledge Graphs Unlock GenAI

KGs

Knowledge

Facts

Context



Accurate
Contextual
Explainable

GenAI

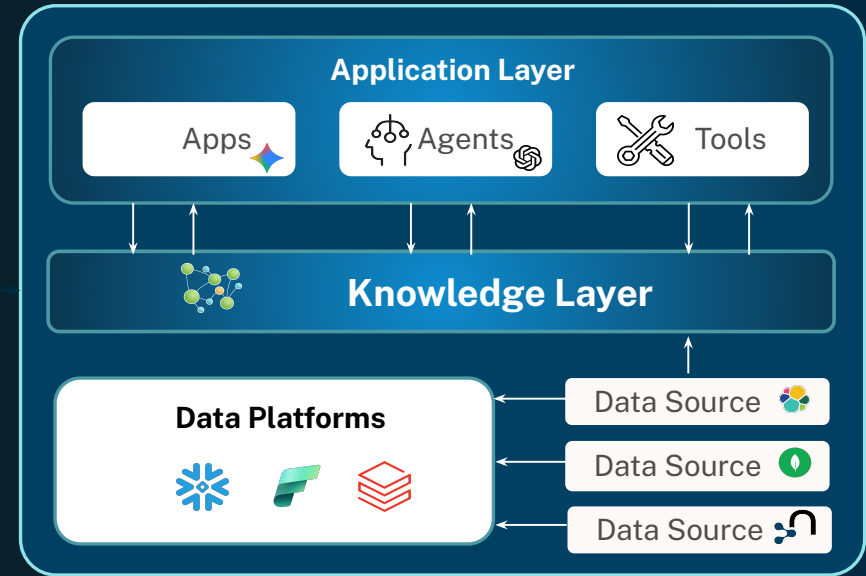
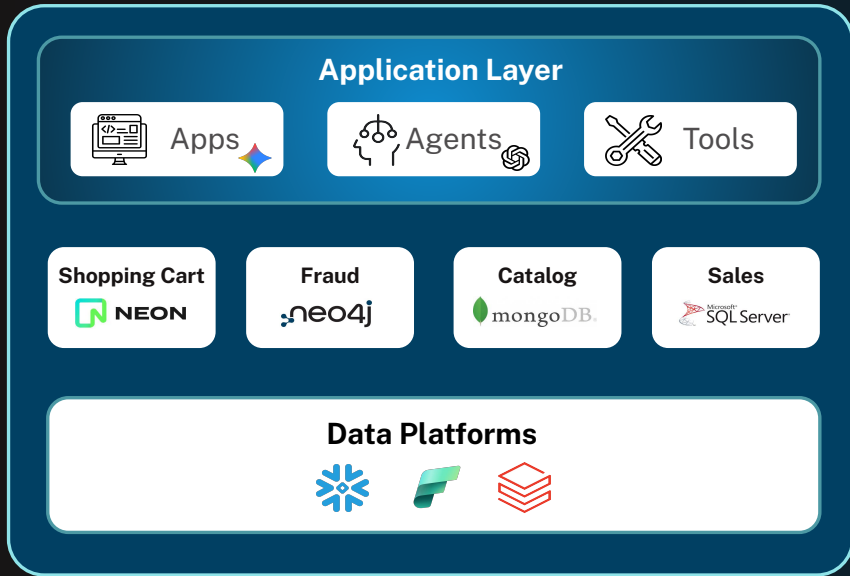
Language

Statistics

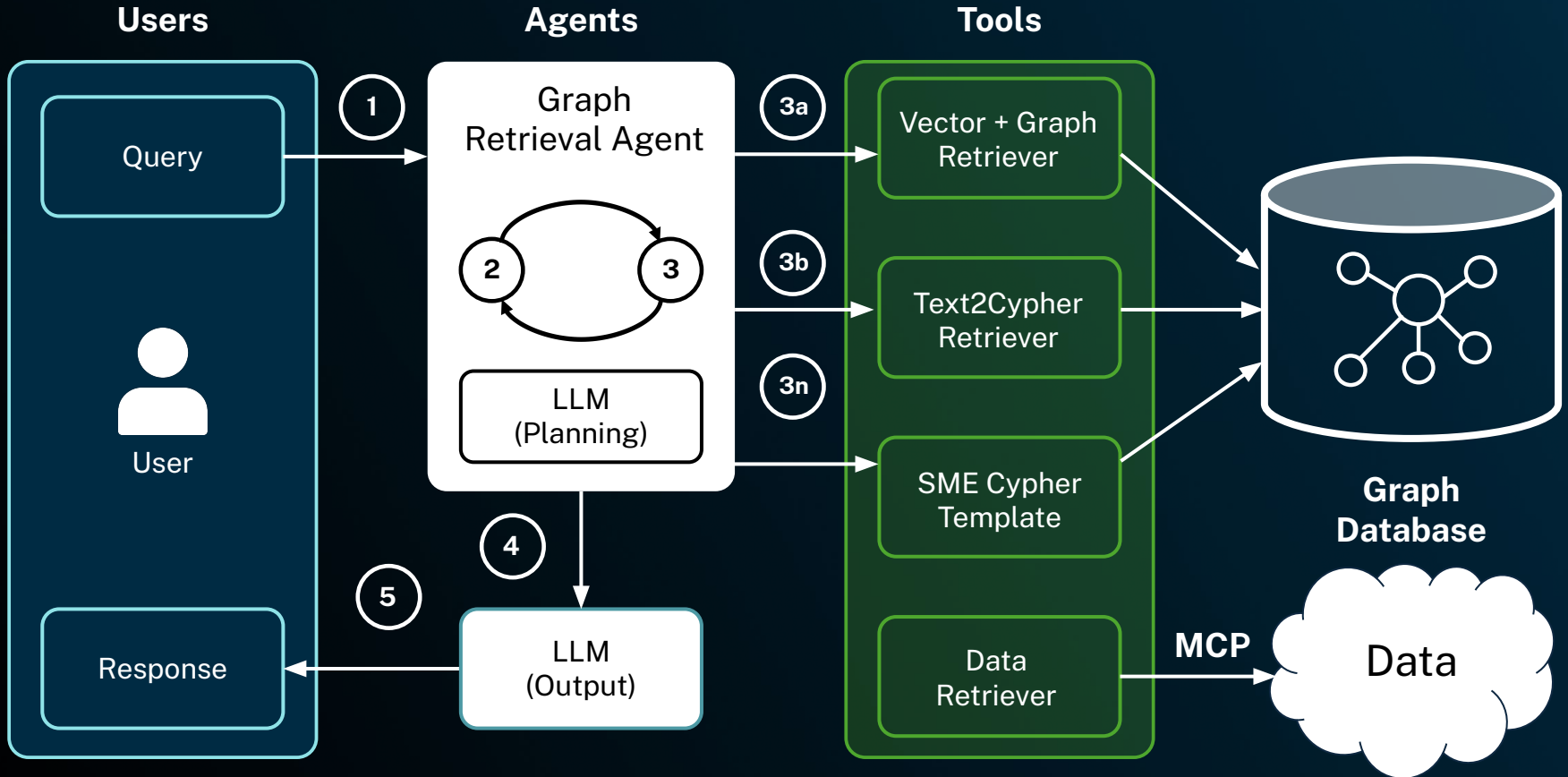
Creativity



The next layer in the AI stack: KNOWLEDGE



Agentic GraphRAG





The Benefits of GraphRAG

1. Higher Accuracy

2. Easier Development

3. Explainability & Governance

GraphRAG.com



NEW CAPABILITIES

Aura Agents

- No/Low code Agent **creation**: Admin UI to define an agent, Agent creation with AI
- GraphRAG **tools** for your agent: Cypher, Vector Search, Text2Cypher
- **Embedding**: AzureOpenAI, Google Gemini
- Agent Test UI: Prototype, iterate your agent with built-in chat
- **API**: Aura API REST endpoint to send questions to your agent
- Available in **tiers**: Aura Free, Professional and Business Critical

The screenshot shows the Neo4j Aura Agents configuration and chat interface. On the left is a navigation sidebar with options like 'Get started', 'Developer hub', 'Data services', 'Instances', 'Data APIs', 'Agents', 'Tools', 'Import', 'Query', 'Explore', 'Dashboards', 'Document Import', 'Operations', 'Project', 'Learning', and 'Debug'. The main area is split into two panes. The left pane shows the configuration for an agent named 'Neo4j Aura Docs AI Assistant'. It includes fields for Name, Description, Prompt instructions, Target instance (set to 'assistant'), and Agent tools (Internal and External). The right pane shows a chat interface with a welcome message and a question: 'How do I import data from Snowflake?'. The chat response explains the import process and lists steps: 1. Access the Import Service, 2. Connect to Snowflake, with sub-points for Host, Port, Database, Schema, Warehouse name, and Role.



NEW CAPABILITIES

MCP Servers

MCP is the AI native tool integration protocol for agents.

For APIs, Databases, SaaS services.

Official MCP Server for

- Core Database & Algos (Q4 25)
- Aura Databases (Q1 26)
- Aura Agents (Q1 26)
- Graph Analytics (H1 26)
- Aura APIs (H1 26)

Currently Labs Servers

- Cypher
- Memory
- Aura API
- GDS
- Modeling

Can you generate a heatmap chart for the distribution of user ratings by genre?

I'll create a query to get the rating distribution by genre and then visualize it as a heatmap.

View Result from read-neo4j-cypher from movies-neo4j (local) >

Now I'll create a heatmap visualization using a React component:

```
</> Movie Ratings Distribution by Genre  
Click to open component
```

I've created a heatmap visualization that shows:

1. Each row represents a genre
2. Each column represents a rating from 0 to 5 stars
3. The color intensity (blue) represents the relative frequency of ratings
4. Each cell shows:
 - The percentage of ratings in that category for the genre
 - The absolute number of ratings in parentheses

Some interesting insights from the data:

- Most genres show a bell curve centered around 3-4 stars
- Drama and Comedy have the highest number of total ratings
- Documentary and Film-Noir have relatively few ratings but tend to be rated highly
- Horror shows a more even distribution across ratings compared to other genres

Would you like me to modify anything about the visualization? I could:

1. Change the color scheme
2. Add more statistical information
3. Sort the genres differently
4. Adjust the cell format
5. Add tooltips with more details

Copy Retry

← Movie Ratings Distribution by Genre Preview Code X

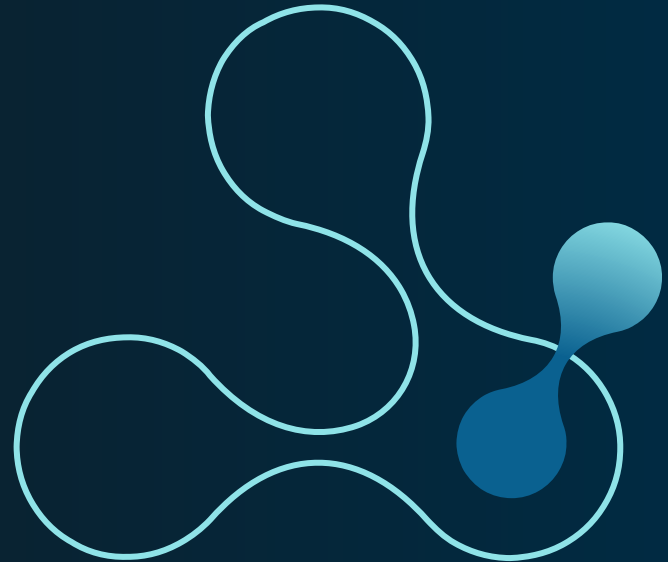
Rating Distribution by Genre

Genre	0 ★	1 ★	2 ★	3 ★	4 ★	5 ★
Action	1.4% (366)	5.8% (1,576)	13.4% (3,631)	32.5% (8,787)	34.3% (9,230)	12.7% (3,426)
Adventure	1.4% (350)	5.0% (1,309)	12.1% (3,268)	31.4% (8,306)	35.6% (9,443)	14.4% (3,779)
Animation	1.1% (96)	4.1% (354)	9.5% (835)	31.0% (2,715)	38.6% (3,383)	15.7% (1,370)
Children	1.2% (104)	6.1% (531)	11.8% (1,027)	32.8% (2,865)	34.6% (3,001)	13.4% (1,167)
Comedy	1.2% (463)	6.0% (2,282)	13.2% (5,005)	32.1% (12,395)	34.4% (13,088)	13.1% (4,887)
Crime	0.9% (148)	4.0% (648)	9.6% (1,562)	28.5% (4,642)	38.9% (6,335)	18.0% (2,930)
Documentary	1.0% (18)	2.5% (39)	7.4% (116)	25.6% (400)	45.9% (718)	17.7% (277)
Drama	0.7% (328)	3.6% (1,624)	9.7% (4,343)	28.6% (12,918)	39.6% (17,756)	17.7% (7,938)
Fantasy	1.2% (132)	5.6% (598)	12.2% (1,298)	30.8% (3,281)	35.6% (3,795)	14.6% (1,577)
Film-Noir	0.3% (3)	2.1% (24)	5.5% (63)	22.6% (258)	44.5% (507)	25.0% (288)
Horror	1.7% (113)	7.2% (488)	16.9% (1,078)	33.3% (2,281)	30.5% (2,073)	11.4% (778)
Musical	1.0% (49)	3.8% (179)	9.9% (467)	32.0% (1,512)	37.0% (1,748)	16.2% (767)
Mystery	0.9% (65)	3.9% (295)	10.4% (796)	27.4% (2,086)	39.8% (3,038)	17.6% (1,346)
Romance	1.0% (198)	4.5% (871)	11.5% (2,228)	31.0% (5,986)	36.9% (7,336)	15.1% (2,928)
Sci-Fi	1.5% (226)	6.0% (893)	13.6% (2,033)	31.7% (4,878)	33.9% (5,215)	13.9% (2,097)
Thriller	1.0% (263)	4.9% (1,247)	12.3% (3,082)	31.9% (8,064)	36.0% (9,076)	13.9% (3,604)

53



Neo4j MCP === DEMO ===





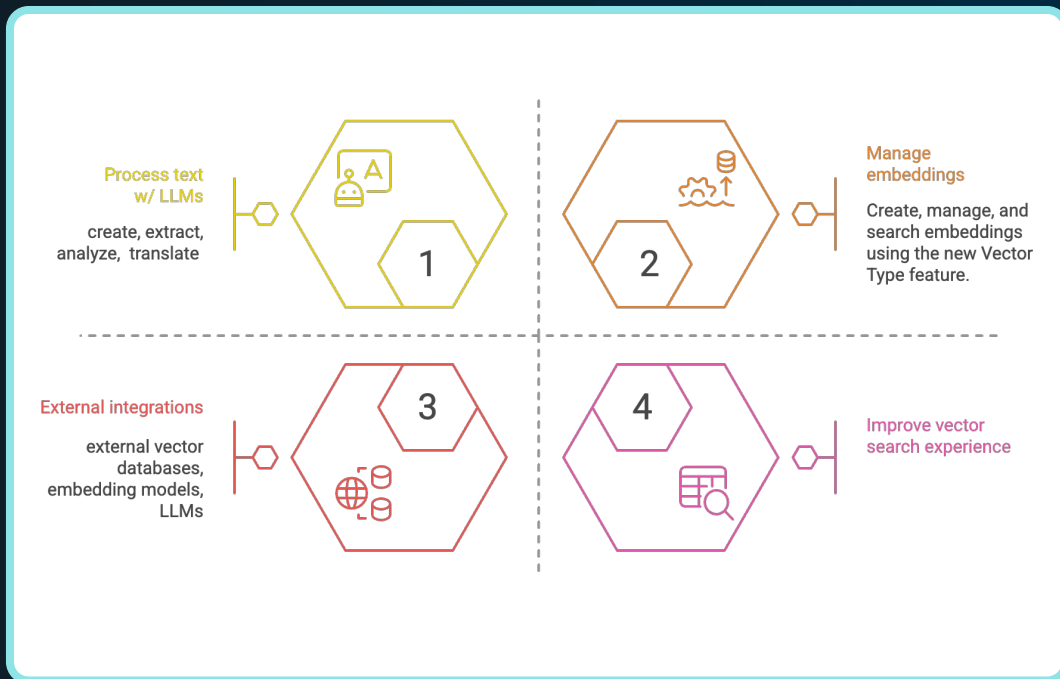
NEW CAPABILITIES

Cypher AI Integration

Enable users to run AI functions directly from the Cypher 25 query language:

- **Process text** with popular LLMs (create, extract, analyze, translate)
- Create, manage, search **embeddings** (based on new **Vector Type**),
- Providers: (Azure) OpenAI, Bedrock, VertexAI
- Coming: BaseURL, Chat completion, structured output, Audio, Image

Productize learnings from genai-plugin, APOC.





RELEASED CAPABILITIES

GraphRAG Python Package

Construct knowledge graphs from unstructured data/documents using schema

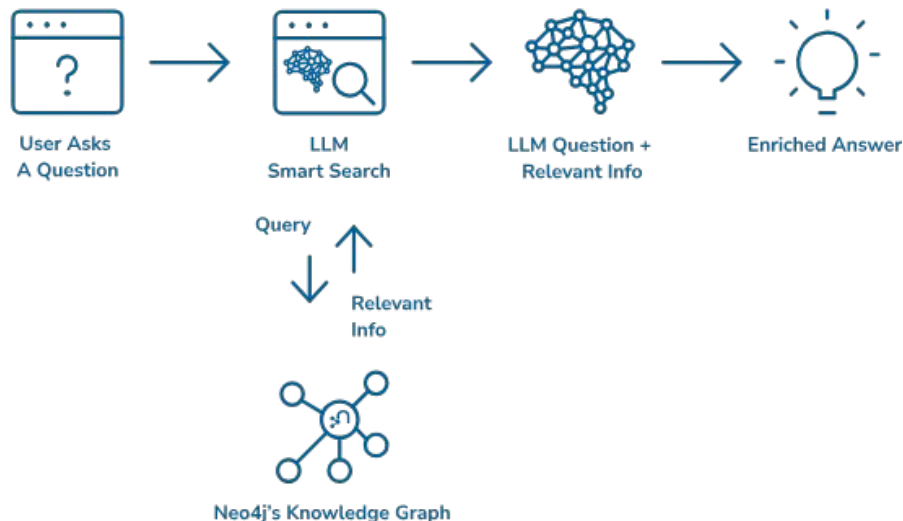
Implement different GraphRAG retrievers

Build GenAI RAG pipelines with vector and hybrid search and GraphRAG retrieval

Retrievers as Agent Tools

External vector search integration

Query Knowledge Graph with LLM Application



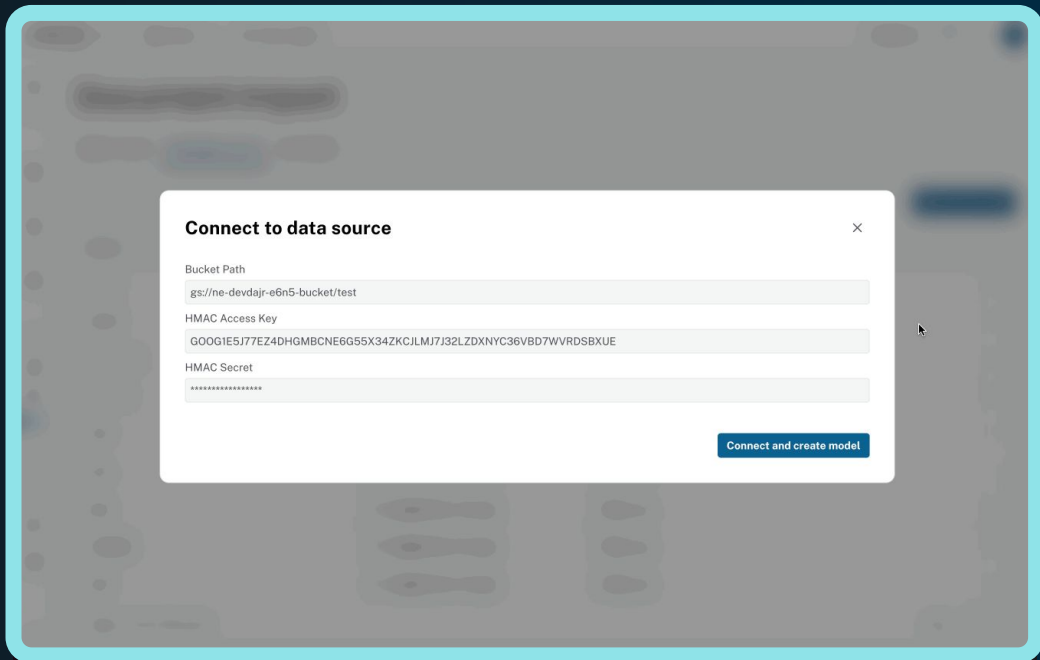


NEW CAPABILITIES

Document Import

Use LLMs with a graph schema to construct high quality knowledge graphs efficiently.

- Integrated experience in Aura console and API/CLI.
- 3-click, smooth user experience
- document upload or cloud buckets
- schema AI generated from sampled docs
- interactive, contextual schema iteration
- scalable to 10,000s of pages
- No Self Managed experience





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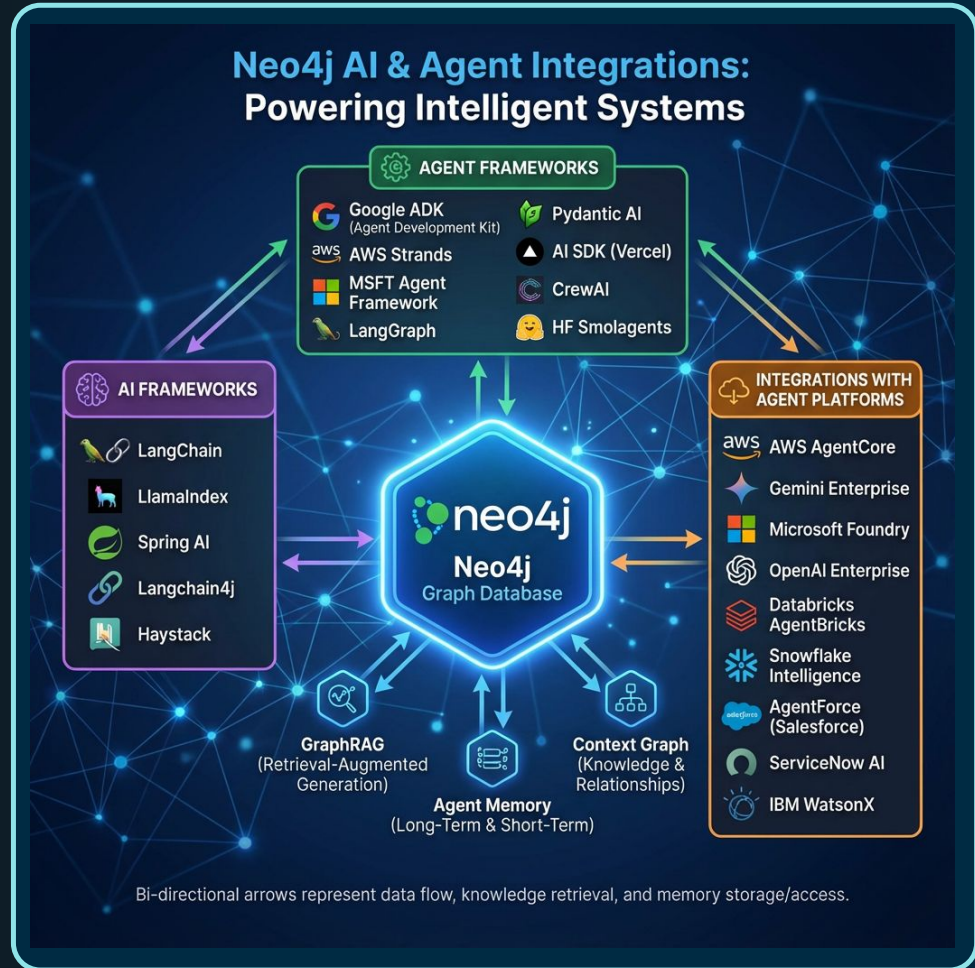
EXTENDING INTEGRATIONS

AI & Agent Ecosystem

Integrated with AI ecosystem

- AI Libraries & Frameworks
- Agent Frameworks
- CSP AI platforms
- Enterprise Agent Platforms

Ongoing



Product Vision Summary



Tech Ecosystem

Neo4j working seamlessly with Enterprise data platforms

Cloud First

Zero Ops

Fully Managed

Ease of Use

5

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GraphRAG

Integrated Ecosystem

Trusted Fundamentals

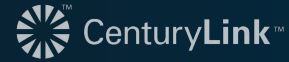
Scalability with Enterprise Security, Governance, and Compliance



AIRBUS



Boston Scientific



DAIMLER



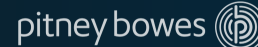
Thank you to our customers



LEVI STRAUSS & CO.



NORDSTROM



SAMSUNG

