



Technical Brief: Gemini Data and Neo4j

Get faster time-to-value and greater return on your Neo4j investment with Gemini Explore

Graph database technology is increasingly deployed in the world's largest organizations to answer questions and gain insights. Organizations have adopted graph and started integrating it into everyday analytics and decision-making. Most implementations choose from a few key vendors in the space, like TigerGraph, ArangoDB, and the most popular, Neo4j. Neo4j is the leader not just in graph technology itself; its associated query language - Cypher - is quickly becoming an essential skill for developers and data scientists so they can get the most out of their data projects.

For all the power of Neo4j - and it is very powerful - often only the most technical users on data science and analytics teams can take advantage of its features. Less technical and business users don't have the time to learn a query language like Cypher. They probably don't know how to write code. Or they simply don't know where to start with ingesting data into the system. These users have to rely on the availability of engineers and data scientists to get their projects done, leading to bottlenecks and delays. Additionally, many enterprise-grade features needed for a Neo4j deployment often require additional development and programming. This results in teams fighting over limited resources, projects that take too long to deliver, and hurdles to broader adoption of graph.

Maximize Your Neo4j Investment

Gemini Explore bridges that gap, bringing the power of graph and Neo4j implementations to everyone across the enterprise. Our no-code approach ensures anyone can utilize flexible data import, ingest various data sources, configure data models, explore and customize visualizations, and collaborate with their teams - all without having to know a query language or how to code (or waiting around for someone to do it for them).

Gemini Explore enhances and extends Neo4 to make it fully enterprise-ready and available to users across the organization, regardless of their technical acumen. This combination gives Neo4j implementations faster time-to-value, a more significant impact on decision-making, and a greater ROI on their graph investment.

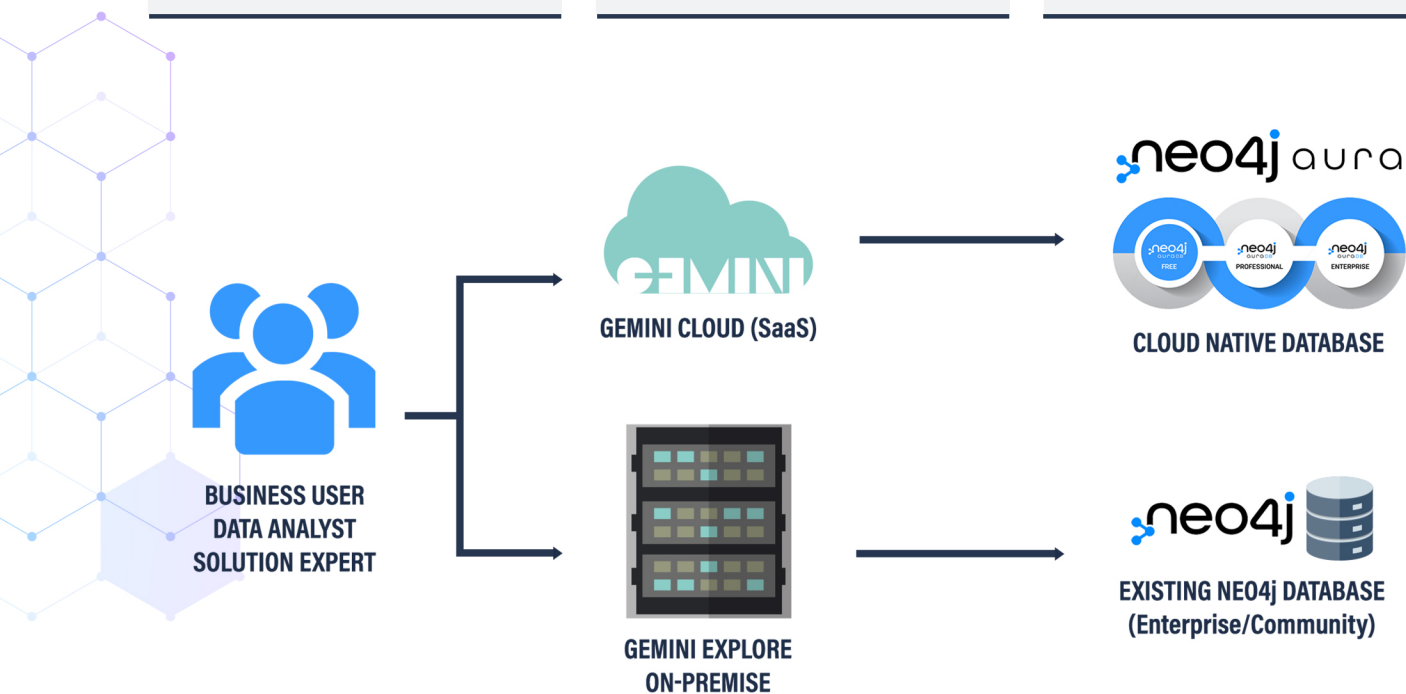
BYOGDB (Bring Your Own Graph Database)

Neo4j implementations can only offer access and analysis of their own underlying graph database. Gemini Explore can connect to various data sources with our built-in connectors and integrate with your existing graph database with ease to maximize your existing investments. Including:

Support for all Neo4j implementations, including Enterprise and Community editions, or AuraDB in the cloud.

Cross-database queries for more effective analysis across teams, business units, or organizations.

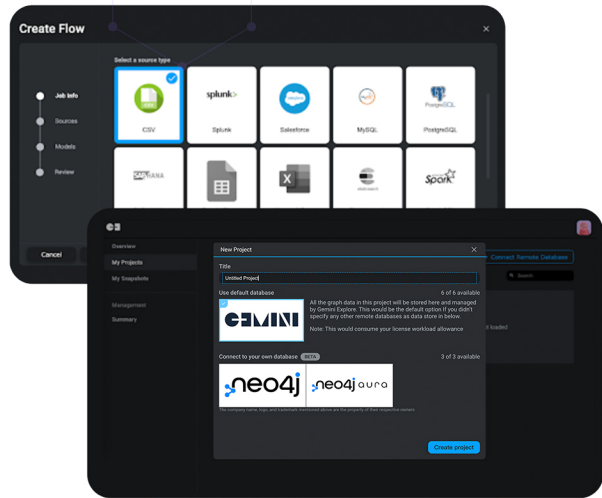
Connectivity to additional data sources for enriched views and analysis.



By combining multiple data sources, Gemini Explore gives Neo4j implementations the graph superpowers crucial to provide end users with a more complete view of their data.

Powerful Data Connectors

Connecting Neo4j to your organization's unique mix of data, formats, and systems can consume weeks, even months, in your development schedule. Gemini Explore can not only ingest the most common file formats and sources, but can also host your data through our graph database system.



GEMINI EXPLORE'S CONNECTORS ENABLE USERS TO

Ingest structured and unstructured data no matter where it lives.

Use a wizard-based interface that makes it easy for users to set up, manage, and refresh data sources.

Ingest popular data sources like MySQL, AWS S3, and enterprise systems like Splunk, SAP HANA, and other platforms.

Parse data for popular data formats like CSV, JSON, Microsoft Office, and others for integration into graph projects.

With such a broad set of capabilities, users of all skill levels will be able to connect, ingest, and analyze all of your organization's data from one panel.

Personalized Visualization & Easy Exploration

Part of the promise of graph technology is to see a business challenge or opportunity in full context, at a glance, and the ability to make rapid decisions. Neo4j ships with the Bloom canvas which renders beautiful graphs so users can see and explore their data.

Bloom is great for basic analysis and visualization. Gemini Explore amplifies these capabilities with a full suite of personalizations and customizations to make every graph clear, compelling, and insightful:

Powerful keyword search

lets users ask questions about their data and see how that affects their findings.

Combined queries

curate how results show up on the canvas.

Conditional display

with different sizing, icons, and color gradients to show dynamic values in the data fields.

Filtering and grouping

to drill-downs and aggregations, so you have all the tools you need to explore your data from every angle.

Saved knowledge

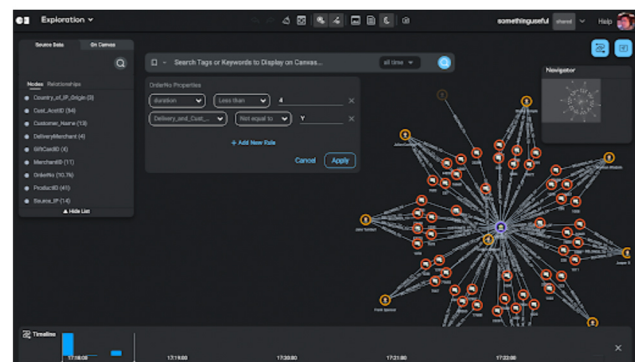
can be archived and refreshed as needed for consistent reporting.

Natural language search

to ask questions as human text input and get answers back in graph data output.

Real-time alerts and regular reporting so teams can stay current as a graph's data evolves and changes.

With Gemini Explore's rich toolbox, users can personalize and customize visualizations for maximum clarity, insight, and impact.



Collaboration and Role-Based Access

Sharing insights and findings is key to the success of graph at any organization. Gemini Explore gives you the ability to easily share information and insights:

Role-based access control for private and public permalinks with both view-only and edit privileges.

Shareable snapshots of key views of a graph's canvas so teams can collaborate and explore data together.

Notation capabilities to add notes, images, media, and other attachments to a graph.

Gemini Explore gives individual users the power to take their analysis and insights to a broader audience across teams, business units, and the organization.

Built for the Cloud

Gemini Explore is fully SaaS compliant and built for the cloud, so there's no additional impact to IT teams or additional staffing:

Self-serve provisioning so users can immediately start ingesting data.

Instant upgrades that make additional features and the latest innovations in graph available to users immediately.

Cloud-native so there's no operational burden, worries about scalability, or additional devops responsibilities.

Gemini Explore is designed for rapid deployment so organizations can see a faster return on their graph investment.

Minutes or Months?

Many of Gemini Explore's capabilities could be developed by an in-house team of engineers. But, this adds weeks (or months) to your project plan. Here's a breakdown of the time saved with Gemini Explore compare to going the "do it yourself" route:

KEY: GE = GEMINI EXPLORE • DIY = DO IT YOURSELF

FEATURES	TIME TO BUILD OR DEPLOY
BRING YOUR OWN GRAPH DATABASE Support for all Neo4j licenses plus connectivity to additional data sources	DIY: 3-4 months per platform GE: Ships with support for Neo4j and additional data sources
DATA CONNECTORS Wizard-based ingestion with query pipelines, and connectors for popular formats	DIY: 2-3 weeks per connector GE: Connectors for most common data sources out-of-the-box
DATA MAPPING UI Point-and-click interface for data model creation	DIY: 6-8 months, including UI GE: Out-of-the-box
COLLABORATION CAPABILITIES Share snapshots, save views, send permalinks	DIY: 9-12 months GE: Ships with collaboration features
PERSONALIZED VISUALIZATION Customized colors, annotations, and icons	DIY: 6-9 months GE: Out-of-the-box
EASY DATA EXPLORATION Keyword search, combined queries, and grouping	DIY: 6-9 month build, including UI GE: Ships with data exploration UI
TRAINING Train less technical users to write Cypher and code	DIY: 3-6 months for non-technical users to learn Cypher GE: No-code interface means less training

Let's Talk

Contact us today to learn more about how Gemini Data can help your Neo4j implementation achieve faster time-to-value, broader adoption, and greater return on investment.

Start a trial, schedule a demo, or learn more at geminidata.com/partner-neo4j