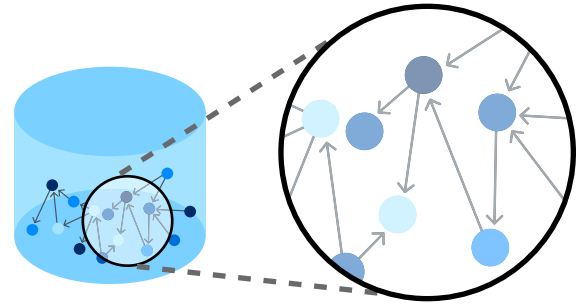


Neo4j Graph Database

The Most Trusted Database for Intelligent Applications



Neo4j Graph Database is the market leading database that empowers developers to create intelligent applications that harness the rich relationships in your data and answer complex questions with speed that no other database can match. As the heart of the [Neo4j Graph Data Platform](#), Neo4j Graph Database helps enterprises across industries – life sciences, utilities, financial services, cybersecurity, and [many more](#) – uncover hidden insights in real time.

"One of the most surprising things I've seen with Neo4j is the speed at which we're able to innovate and deliver features to our customers."

Since graph databases are inherently schemaless, the graph model allows us to add new data types and new paradigms and just attach them to an existing profile or device or person. That was surprisingly powerful – more powerful than I ever thought it would be."

*Mark Hashimoto, Senior Director
Comcast*

Key Benefits of Neo4j Graph Database

Lightning Fast Performance

Neo4j's native graph database uncovers insights in your data that other databases cannot, enabling new use cases and business models. No matter how large your graph is or how deep the layers of your connected data are, Neo4j delivers blazingly fast responses even for the most complex queries, typically 1000x faster than relational databases.

Unbounded Scale

Neo4j scales to support massive growth in data and users while optimizing costs. Scale out your ability to keep up with high throughput while maintaining an elastic infrastructure with Autonomous Clustering. Scale up and if necessary divide very large graphs into shards and query them efficiently using Fabric.

Developer Productivity

The flexibility of Neo4j's property graph model gives developers the agility to keep pace with changes in business requirements. The data model is so intuitive that what you draw on a white board is what gets stored in the database, spurring rapid application development and innovation. Developers can quickly build applications using their preferred languages and tools, and prototype and test on Neo4j using integrated data modeling, querying, and visualization tools. A set of connectors plugs Neo4j right into the rest of your intelligent data ecosystem.

Operational Trust

Neo4j is the most deployed graph database in the world. ACID compliance guarantees transactional integrity for mission-critical workloads across billions of nodes and trillions of relationships, while keeping query responses to milliseconds. Granular security is especially built for the graph.

Neo4j gives you the choice to deploy your databases for intelligent applications across public, private, or hybrid clouds or in the Neo4j-managed AuraDB. Neo4j Ops Manager reduces the complexity of self-managed deployments by giving database admins and operators UI-based control and a bird's-eye view of ops metrics.

Features

Performance at Scale

- *No joins* graph traversal consistently delivers performance in milliseconds
- Fast **K-hop query** returns results blazingly fast across multiple hops
- Enhanced indexing and query planning
- **Autonomous Clustering** for low-touch horizontal scaleout and efficient use of servers
- Scale up with **Fabric** and query across databases or shards

Developer Productivity

- **Property graph model**: what you model is what gets stored in the database
- **Cypher**, a graph query language easier and more powerful and expressive than SQL
- Official support for .Net, Java, JavaScript, Go, and Python drivers and other community supported ones; GraphQL library for rapid front-end application development
- A variety of tools for low-code data modeling and loading (**Data Importer**), user-friendly graph query explorer (**Browser**), and no-code data visualization (**Bloom**)
- A set of connectors for interoperability with the rest of your intelligent data ecosystem, including for Apache Kafka, cloud data warehouses, and business intelligence tools

Operational Trust

- **ACID compliance** guarantees data integrity for OLTP/OLAP workloads
- SSO and LDAP/directory services integration with your security ecosystem
- RBAC for fine-grained security of all nodes, properties, and relationships
- Self managed or fully managed no-ops **Neo4j Aura**
- **Neo4j Ops Manager** for UI-based operations of all self-managed deployments
- DevOps in the cloud with Helm Charts for Kubernetes
- Batch import to load large and incremental amounts of data
- Any-to-any rolling upgrades for anytime upgrades with no downtime
- Differential backup and restore, including *restore until* a point in time

Unmatched Support and Services

- World's foremost graph experts in professional services and technical support
- ROI maximization and project prioritization by customer success managers
- Free online graph courses and paid customized trainings
- Largest and most active community of graph practitioners

Neo4j is the world's leading graph data platform. We help organizations – including Comcast, ICIJ, NASA, UBS, and Volvo Cars – capture the rich context of the real world that exists in their data to solve challenges of any size and scale. Our customers transform their industries by curbing financial fraud and cybercrime, optimizing global networks, accelerating breakthrough research, and providing better recommendations. Neo4j delivers real-time transaction processing, advanced AI/ML, intuitive data visualization, and more. Find us at neo4j.com and follow us at [@Neo4j](https://twitter.com/Neo4j).

Questions about Neo4j? Contact us around the globe:

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