

Why AWS Customers Choose Neo4j

The trusted leader in the graph database market

Neo4j is the most popular graph database with a massive and thriving **community of over 240,000 developers**. This ensures widespread and diverse usage with rich peer feedback and support for you. More Fortune 500 organizations trust Neo4j than any other graph database vendor, because it has been tested and proven against a broad set of use cases in production.

Neo4j's focus on graph technology and a relationship-centric culture drives our number one priority: making every customer's project successful. Beyond the experts inside of Neo4j, if you look at skills availability, more than 42,000 list Neo4j as a skill. Neo4j has been hardened through **years of production** deployments and rigorous ongoing testing, and is recognized by the analyst community. In the Q4 2020 Forrester Wave for Graph Data Platforms, Neo4j achieved the [highest possible scores in scalability and performance](#) criteria, vital for selecting a graph data platform.

Strong AWS Partnership

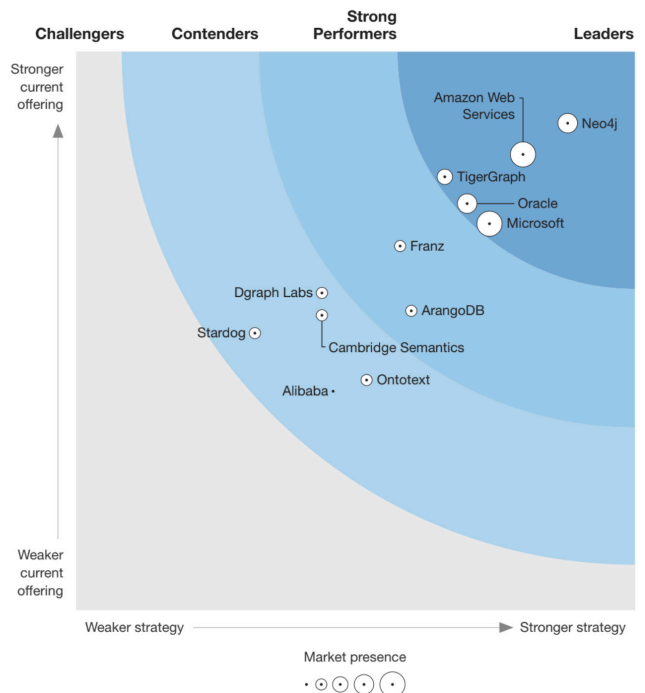
Neo4j is an AWS Advanced Technology Partner with an APN competency in Data & Analytics as well as best-in-class feature engineering to power AI and machine learning. Customers can purchase Neo4j AuraDB through the AWS Marketplace, with Neo4j spend consolidated into their AWS bill. Neo4j AWS Marketplace spend counts towards a customer's contractual commitment. Our partnership with AWS includes a powerful set of integrations with cloud-native AWS services (such as Redshift, EMR, EKS, Lambda, and SageMaker).

Orders of Magnitude Faster at Enterprise Scale

Neo4j is **10x** faster than many alternatives on reads and **100x** quicker on writes. Even with massive data growth, Neo4j performs consistently with multi-hop analysis – everyday graph queries that span multiple relationships – and gets faster as it optimizes for the graph and workload. The reason is simple: Neo4j is a native graph database, so all aspects of the system are engineered from the ground up for graphs, rather than layering graphs on another database architecture. Neo4j can scale to **billions of nodes** and relationships on a single machine, and can extend that scalability to trillions of relationships, making it even easier to support production applications on AWS.

THE FORRESTER WAVE™

Graph Data Platforms
Q4 2020





Rank			DBMS	Database Model	Score		
Jun 2022	May 2022	Jun 2021			Jun 2022	May 2022	Jun 2021
1.	1.	1.	Neo4j	Graph	59.53	-0.61	+3.78
2.	2.	2.	Microsoft Azure Cosmos DB	Multi-model	40.98	+0.77	+4.51
3.	3.	5.	Virtuoso	Multi-model	6.17	+0.16	+2.48
4.	4.	3.	ArangoDB	Multi-model	5.50	-0.05	+0.58
5.	5.	4.	OrientDB	Multi-model	4.86	-0.27	+0.41
6.	6.	8.	Amazon Neptune	Multi-model	2.82	+0.01	+0.62
7.	7.	7.	GraphDB	Multi-model	2.61	-0.08	+0.30
8.	8.	6.	JanusGraph	Graph	2.40	-0.03	-0.09
9.	9.	9.	TigerGraph	Graph	2.02	-0.22	+0.14
10.	10.	10.	Stardog	Multi-model	1.75	-0.13	+0.02

Neo4j is the most popular graph database among developers (DB-engines.com, June 2022)

Cypher: Easy, Intuitive, and Powerful

Other graph database vendors often rely on Gremlin, a graph language for admins rather than developers. Gremlin provides a way for a vendor to implement a graph language layer on top of nonnative graph stores. Neo4j created a much easier, more popular, and more intuitive language called Cypher. Cypher is the world's most popular graph query language and a significant ingredient in the new Graph Query Language (GQL) ISO language standard. (Gremlin will not be compatible with GQL.)

Granular Security and Governance

Neo4j provides the most advanced and comprehensive graph database security model on the market. Many organizations trust Neo4j to store and analyze their most sensitive data. Neo4j has role-based access control, allowing administrators to govern the database and set specific permissions. This is why many of the top banks, government agencies, and pharmaceutical companies use Neo4j to store trusted data.

Unlock Insights with Graph Data Science

Neo4j has vastly superior graph analytics capabilities. Neo4j Graph Data Science is the only solution that can help organizations move graph analytics and graph algorithms

from experimentation to production-ready and supportable enterprise deployments. Neo4j Graph Data Science includes 65+ graph algorithms as well as in-graph machine learning.

User-Friendly, Expressive Data Visualization

Neo4j Bloom is one of the leading graph visualization tools. Bloom allows organizations to show and explore their graphs with others. Beyond that, Neo4j has a rich ecosystem of partners, including visualization partners like Linkurious and Kineviz.

Seamless Integration Through Neo4j Connectors

The Neo4j Graph Data Platform includes built-in tools and out-of-the-box connectors that allow developers to easily add graph technology and make their system smarter and more powerful. Neo4j can seamlessly be integrated with an existing application architecture and features ready-made connectors for Apache Kafka, Apache Spark, data warehouses, popular BI tools such as Tableau, PowerBI, Spotfire, Microstrategy, and Looker.

Neo4j is the world's leading graph data platform. We help organizations – including [Comcast](#), [ICJ](#), [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](#).

Questions about Neo4j?

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