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 in Global Data & Analytics 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. Horizontal scale extends scalability to trillions of relationships, making it even easier to support production applications on AWS.
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.

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 with 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.