Why Your Intelligent Applications Need Graph Technology

The expectations for today's applications are high. To meet these demands, you need a data platform that delivers:

- **Adapt**
- **Secure**
- **Great user experience**
- **Unbounded scale**
- **Security & data privacy**
- **Flexibility**

Fast Response for Global Users: Sharding

Big data? Global audience? No problem. Sharding divides the physical storage of very large graphs across many servers.

Divide a large graph dataset across many servers or clusters

Support customer experience by region

Comply with data privacy regulations like GDPR

Divide graph dataset to support machine learning

Medical research on petabytes of data

Ask Your Data Anything: Federated Graphs

The beauty of the graph model is the way it connects all of your data. Federated graphs bring multiple graphs together, allowing you to query and analyze all your data at once.

Analyze data across graphs with different schemas

Product Development
Finance
Sales
Marketing
Human Resources
Operations

Role-based access control of graph data

Example: Healthcare

Patient Information
Doctor Office Staff
Contact Information
Medical Records
Test Results
Diagnosis

Example: Appointment

Doctor requests an appointment

Staff calls patient to set up an appointment

Staff cannot see the patient's diagnosis or disease

Granular Security: The Right Data for the Right User at the Right Time

Benefits of building in security

- **Granular Security**: The right data for the right user at the right time

- Flexibility to create new databases as needed

- Flexibility for all your use cases

- Innovation: Multiple databases support new solutions

- Compliance: Multiple databases for each country

- Graph Data Science: Multiple databases for knowledge graphs

- Multi-tenancy: Multiple databases to isolate SaaS user data

One instance, multiple databases

Learn why Neo4j is the world's leading graph database