

# Why Your Intelligent Applications Need Graph Technology

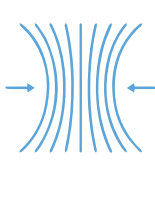
Great user experience



Secure by design



Adapt rapidly



The expectations for today's applications are high.

To meet these demands, you need a data platform that delivers:

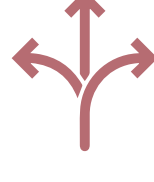
Unbounded scale



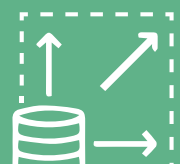
Security & data privacy



Flexibility



## Unbounded Scale for a Great User Experience

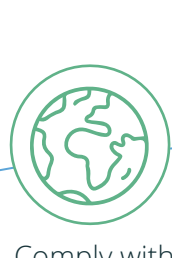


### Fast Response for Global Users: Sharding

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



Support customer experience by region



Comply with data privacy regulations like GDPR



Divide graph dataset to support machine learning

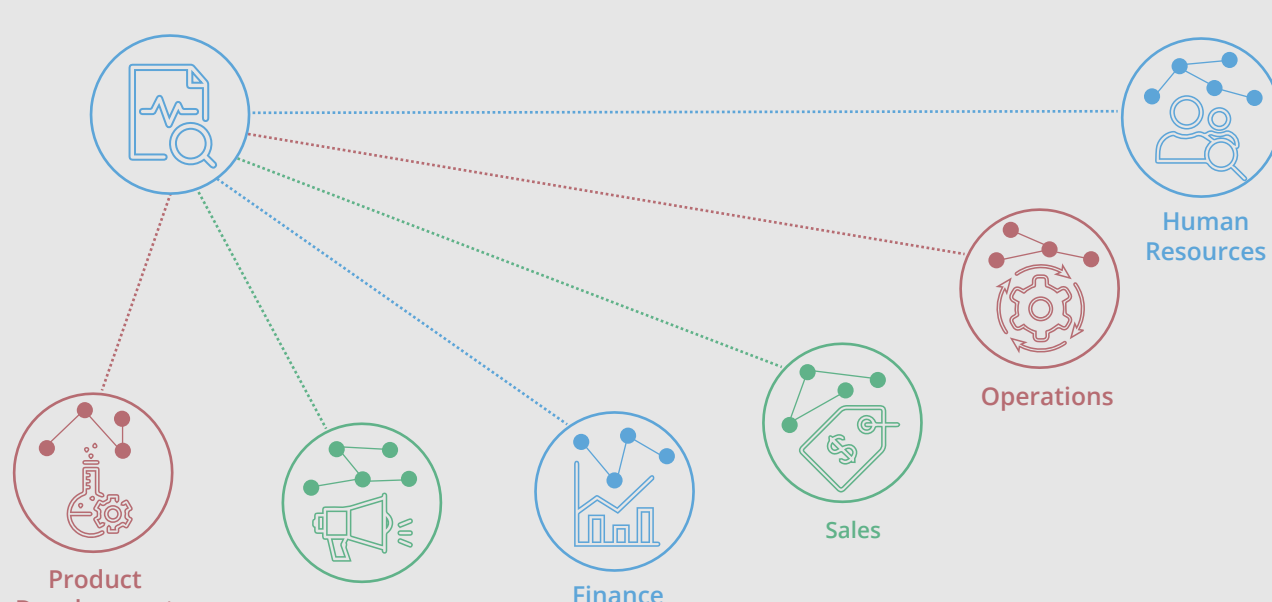


Medical research on petabytes of data

Divide a large graph dataset across many servers or clusters

### 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.



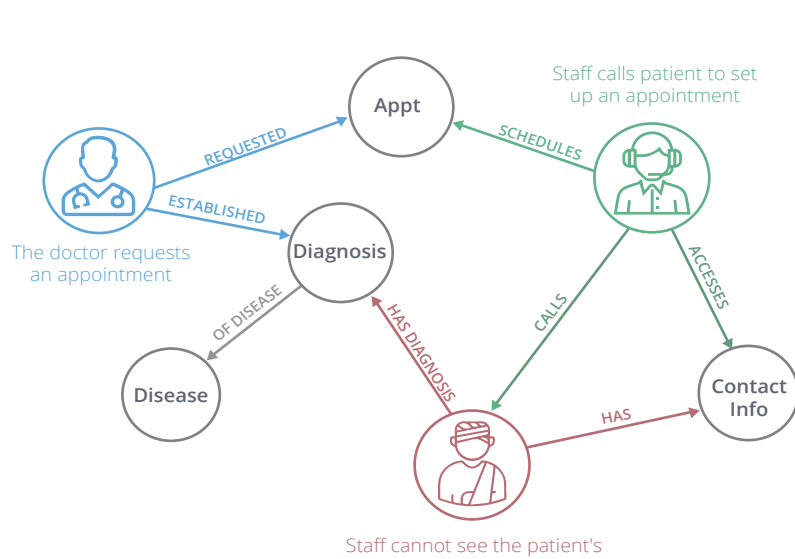
Analyze data across graphs with different schemas

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

### Role-based access control of graph data

Example: Healthcare

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



### Benefits of building in security



**Governance & Compliance**

Govern sensitive data at the schema level, across graph databases

+



**Development Teams**

Faster development because security is enforced at the database level

+



**Analysts and Data Scientists**

Graph queries, algorithms and AI/ML run only on authorized data

+



**Leadership Team**

Reduced risk, increased confidence

## Flexibility: Evolve Your Graphs as Your Business Grows



### Flexibility to create new databases as needed



One instance, multiple databases

### 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 SaaS users data to isolate SaaS user data

Learn why Neo4j is the world's leading graph database

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