

The database designed for the modern world

The world runs on big data. Owning that data to build transformative applications is now more critical than ever. That's why OrientDB developed the world's first multi-model graph database. Leverage your data to the fullest extent.



Performance

Process complex transactions quickly with a high-performance NoSQL database built for today's leading enterprises.



Security

Protect your data and ensure your company remains compliant with a fully encrypted database protected by a proprietary algorithm.



Scalability

Collect, process, and analyze enormous volumes of data in real time with a database designed to scale to meet the needs of today's largest and fastest-moving organizations.

Benefits

- **Speed:** Store up to 120,000 records per second and process transactions 10x faster than competitors.
- **Ease of use:** Get results immediately with a plug-and-play database solution that runs on any platform and uses SQL as its query language.
- **All-in-one platform:** Manage data without having to hop from platform to platform.
- **Ease of implementation:** Sync or migrate your relational database and get started with OrientDB right away.
- **Cost:** Eliminate the need for multiple licenses and leverage priceless knowledge from the OrientDB community.



Multi-Model

Organize and manage complicated data sets in a single database to increase productivity, reduce costs, and eliminate complexity. Simplify database management and unlock the full potential of the data your organization collects. Store and analyze structured and unstructured data with a NoSQL database engineered to serve as your primary RDBMS. Modernize the way your organization leverages data and move past your competitors that still rely on traditional master-slave architecture.



Native Graph Database

Understand the relationships between disparate sets of data more thoroughly with a database that enables you to store, query, and map data in graph format. Discover and identify new opportunities and serve your customers more effectively.



Standard SQL Query Language

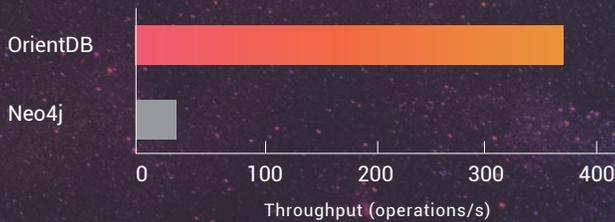
Work with a database built on SQL and augmented with a few extensions to manipulate trees and graphs. Save time you'd spend learning yet another proprietary language and ramp up faster.

Fastest Commercially Available Graph Database. Period.



An independent benchmark [study](#) by IBM and the Tokyo Institute of Technology* showed that OrientDB is **10x faster** than Neo4j on graph operations among all the workloads. The study called out some scenario examples, below, of how OrientDB outperformed the competition in throughput operations.

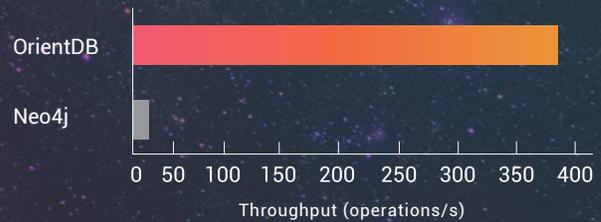
1. UPDATE-HEAVY



OrientDB is 28x faster than Neo4j

A mix of 50/50 read/update workload. Read operations query a vertex V and reads all its attributes. Update operation changes the last login time.

2. READ MOSTLY



OrientDB is 30x faster than Neo4j

The following graph represents a mix of 95/5 read/update workload. Those operations are similar to update-heavy.

3. READ LATEST



OrientDB is 15x faster than Neo4j

Inserts new vertices to the graph. The inserts are made in such a way that the power law relations of the original graph are preserved.

4. SHORT RANGES



OrientDB is 14x faster than Neo4j

Reads all the neighboring vertices and their Vertex attributes—for example, loading the closest friend to a person in a social graph.

*Source: <http://ieeexplore.ieee.org/document/6427516/?tp=&arnumber=6427516>



Industry juggernauts in technology, finance, and commerce trust OrientDB to gain the fastest, most strategic insights from their data.

And even with its powerful speed, performance, and features, OrientDB Enterprise is less than half the price of Oracle, MS SQL or Neo4j.**

So what are you waiting for?

Download your free trial at OrientDB.com or call us at 888 953 9572.

**Oracle is a trademark of Oracle, Inc. Pricing comparison for Oracle R12 Enterprise and MySQL Cluster Carrier Grade Edition. Source: Oracle Global Price List and shop.oracle.com. MS SQL is a trademark of Microsoft, Inc. Pricing comparison for MS SQL Server Enterprise Edition. Source: Microsoft.com. Neo4j is a trademark of Neo4j. Pricing comparison is for Enterprise Neo4j. Source: www.graphstory.com and www.dbms2.com.