

The Highest Rated Graph Database

ArangoDB is a graph database that serves as the scalable backbone for graph analytics and complex data architectures across numerous industries.

Graph databases store the connections between objects as first-class citizens on disk and in memory. This is different from traditional relational databases, where relationships are derived at query time using expensive JOIN operations. Graph databases can determine connections between database objects in a fraction of the time it takes in a relational database. This makes it possible to do sophisticated analysis beyond the capacity of relational databases.

For instance, one customer uses ArangoDB to detect network outages faster. This requires a six-hop graph traversal over a massive dataset. ArangoDB handles this easily, but performing an equivalent query would lock up a relational database.

Key Graph Use Cases

A graph database's ability to harmonize data from any number of sources into a standard semantic model lets you identify connections and uncover insights – powering a wide range of use cases that require analyzing relationships between data points.

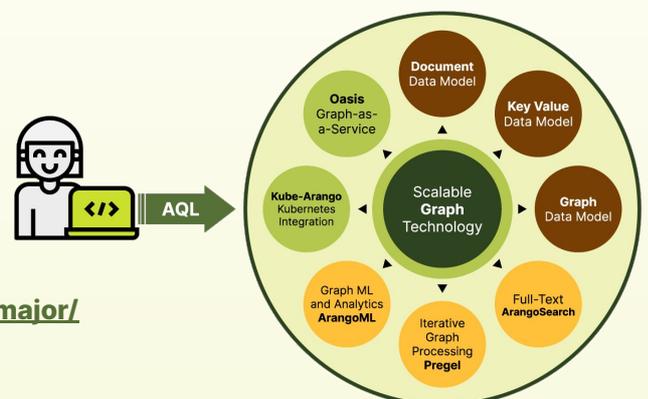
<p>FRAUD DETECTION</p> <p>Uncover illegal activities by discovering difficult-to-detect patterns</p> 	<p>RECOMMENDATION ENGINE</p> <p>Suggest products, services, and information to users based on data relationships</p> 	<p>NETWORK MANAGEMENT</p> <p>Reduce downtime by connecting and visualizing network, infrastructure, and code</p> 
<p>CUSTOMER 360</p> <p>Gain a complete understanding of your customers by integrating multiple data sources</p> 	<p>ID MANAGEMENT</p> <p>Increase security and compliance by managing data access based on role and position</p> 	<p>SUPPLY CHAIN</p> <p>Speed up shipments by monitoring and optimizing the flow of goods through a supply chain</p> 

Benefits of ArangoDB

ArangoDB Community Edition is an open source graph database based on an Apache V2 license. It is supported by a large, active open source community, with more than 12,000 stargazers on GitHub.

In addition to graphs, ArangoDB natively supports additional data models, including JSON documents and key-value. It also includes ArangoSearch, a full-text search and ranking engine. ArangoDB Query Language (AQL) is a declarative query language that ties all these data models together with a broad range of access patterns, including traversals, JOINS, search, geospatial, or any combination.

Download Community Edition at arangodb.com/download-major/



ArangoDB Enterprise: Self-Managed

ArangoDB Enterprise provides additional scalability, security, and compliance features for larger or more sensitive data sets. Start your free trial of Enterprise Edition at arangodb.com/download

Features include:

EnterpriseGraphs

Automatically shard graph data to reduce network hops and meet query needs at scale, all with minimal effort from your operations team.

SatelliteGraphs

Replicate graphs to all database servers within a cluster to optimize local query execution.

SmartJoins

Bring data processing to the server nodes where the data actually resides, further speeding queries and other database operations.

Datacenter-to-Datacenter Replication

Distribute all transactions to another datacenter for increased uptime and resilience.

Encryption 360

Protect your data by encrypting it in, at rest, and while backed up. Rotate encryption keys. Provide access only to allowed IP addresses.

Enterprise Compliance

Meet compliance requirements with data masking, detailed audit logs, role-based access control, and more.

ArangoGraph Insights Platform: Managed Service

ArangoGraph is a fully-managed version of ArangoDB Enterprise, with additional features to solve enterprise-scale problems and keep your data secure.

Cluster deployments on major cloud platforms

Set up ready-to-go clusters in minutes, allowing them to define the size of their machines and clusters easily, and choose whether to run on Amazon Web Services, Google Cloud, or Microsoft Azure. You can adjust the size of an ArangoGraph deployment at any time and without service interruptions.

Multi-tenant Optimized

Run as many deployments as you wish in any environment (production, staging, or other) – and easily arrange them according to their organizational structure. Depending on the use case, you can choose between various deployment modes to accommodate the specific needs of your application and organization.

Consistent snapshot backups across distributed deployments

With ArangoGraph, you can easily create consistent cluster backups of your deployments – either fully-automated at specified intervals (e.g., hourly/daily/weekly) or on-demand. Backup and restore is lightning fast, even for large data sets, with consistent backups in a distributed setting.



Get started with ArangoGraph today for free at cloud.arangodb.com. No credit card required!

About ArangoDB

ArangoDB is the company behind ArangoGraph Insights Platform: a next-generation graph data and analytics platform that uncovers insights in data that are difficult or impossible with traditional SQL, document, or even other graph databases – making it easier to drive value from connected data, faster. ArangoGraph Insights Platform is the scalable backbone for graph analytics and complex data architectures for thousands of Fortune 500 enterprises and innovative startups across many different industries, including financial services, healthcare, and telecommunications.

Founded in 2015 in Cologne, Germany, ArangoDB Inc. is a venture-backed, next-generation graph data and analytics company headquartered in San Francisco, California, with offices and employees worldwide. Learn more at <http://www.arangodb.com>