YUGABYTE
OVERVIEW

Modern application architectures give enterprises a competitive edge, enabling them to deliver new customer experiences and business processes quickly and cost-effectively. But existing relational and non-relational databases force unacceptable tradeoffs that cost businesses by reducing productivity, inflating costs and increasing risks. Traditional relational databases deliver consistency and familiar interfaces but compromises include scalability, cost and geo-distribution. NoSQL databases sacrifice consistency and relational capabilities in exchange for scale and resilience. Cloud provider databases such as Amazon Aurora and Google Spanner impose limitations and lock-in, and are expensive at scale. This means developers have to live with the limitations of the database they choose, or build fixes into the application.

A Modern Data Layer for Modern Applications

You cannot build a truly modern app with a legacy data layer underneath. YugabyteDB is the open source distributed SQL database for building systems of record for both existing applications and new microservices—accelerating developer productivity, lowering total costs and reducing business risks now and in the future. Deploy the database across any private, public, or hybrid cloud with no lock-in. YugabyteDB eliminates the tradeoffs by uniquely combining advanced relational database capabilities with the scalability and resilience of cloud native architectures.

PostgreSQL Compatibility	**Resilience and High Availability**	**Horizontal Scalability**
Geographic Distribution	**ACID Transactions**	**Built-in Security**

Use Cases for YugabyteDB Distributed SQL Database

YugabyteDB powers mission-critical applications that require transactional consistency, high availability, predictable performance, and scalability at enterprises worldwide.

▶ **Cloud native applications:** Build stateful microservices by leveraging modern cloud native frameworks such as GraphQL, or in any language of your choice like Django, Spring, Go, etc.

▶ **Applications requiring massive scale:** Seamlessly deploy IoT and streaming services that demand high throughput, support for large data sets, and/or many concurrent connections.

▶ **Geo-distributed workloads:** Move data closer to users for resilience, performance, and compliance with industry's largest choice of deployment and replication models.

▶ **Modernizing a traditional RDBMS:** Evolve Oracle, SQL Server, and DB2 workloads to a modern distributed SQL database with minimal disruption. If you can migrate to PostgreSQL, you can migrate to YugabyteDB.

YugabyteDB Benefits

▸ **Productivity:** Increase your rate of innovation and competitiveness by bringing new ideas to production within hours/days.

▸ **Resilience:** Ensure that applications and services are always available without any performance impact despite infrastructure failures.

▸ **Efficiency:** Enable developers to make high-impact changes frequently and predictably with minimal toil.

▸ **Savings:** Spend up to 80% less on technology through lower licensing fees, database consolidation, and greater operational efficiencies with no technology lock-in.

▸ **Security and Risk Mitigation:** Harden security, achieve compliance, and mitigate risks in moving your applications and data to the cloud.

Flexible Consumption Models

YugabyteDB has three product offerings to choose from based on your needs:

▸ **YugabyteDB** is the open source database software that you deploy on servers or containers in any cloud and manage yourself.

▸ **YugabyteDB Anywhere** delivers an effortless operational experience at scale. YugabyteDB Anywhere combines the distributed SQL database with cloud native operational excellence capabilities and 24/7 support to deliver a private DBaaS.

▸ **YugabyteDB Managed** is a fully-managed offering of YugabyteDB running on your choice of Amazon Web Services, Google Cloud Platform, or Microsoft Azure.

yugabyte**DB**

About Yugabyte, Inc.

Yugabyte was founded in 2016 by former Facebook and Oracle engineers with decades of experience building business-critical database systems and operating them in production. The company was named a 2020 Cool Vendor by Gartner and is backed by Lightspeed Venture Partners, Dell Technologies Capital, 8VC, Wipro Ventures, and Greenspring Associates.

Lightspeed · DELL Technologies CAPITAL · 8VC · wipro ventures · GREENSPRING ASSOCIATES

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