YUGABYTE OVERVIEW

yugabyte**DB**

Modern application architectures give enterprises a competitive edge, enabling them to deliver new customer experiences and business processes quickly and cost-effectively. But pre-cloud databases are a poor fit for these modern, cloud native applications. Traditional relational databases force tradeoffs between performance, scalability, cost, and freedom from lock-in. NoSQL databases sacrifice consistency and relational capabilities in exchange for scale and resilience. Equally challenging for modern applications, cloud provider data-bases 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 missing features into the application.

Distributed SQL Database for Cloud Native Applications

YugabyteDB is the open source distributed SQL database for building systems of record for cloud native applications and microservices that are resilient to failures and scale horizon-tally without compromising performance. Deploy the database across any private, public, or hybrid cloud with no lock-in. YugabyteDB uniquely combines advanced relational data-base capabilities with the scalability and resilience of cloud native architectures.

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

Use Cases for YugabyteDB

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:** Use YugabyteDB for applications such as IoT and streaming services that demand high throughput, support for large data sets, and/or many concurrent connections.

▸ **Geo-distributed workloads:** Leverage YugabyteDB's flexible deployment and replication models to move data close to users for resilience, performance, and compliance.

▸ **Modernizing a traditional RDBMS footprint:** Move 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 database consolidation, lower licensing fees, 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.

▶ **Yugabyte Platform** is an offering that delivers an effortless operational experience at scale. Yugabyte Platform combines the distributed SQL database with cloud native operational excellence capabilities and 24/7 support to deliver a private DBaaS.

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

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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.

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