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YugabyteDB
Overview

Businesses build and deploy apps differently today compared to ten years ago. Why? Because they need to be able to move quickly and respond to competition and new opportunities. But their existing relational and nonrelational databases are stuck in the past and can't keep up. The result is slower innovation and losing out to competitors.

Traditional relational databases offer the flexibility and power of relational data modeling and ACID transactions, but compromise on scalability, cost and geo-distribution. NoSQL databases trade off consistency and relational capabilities for scale and resilience. Cloud provider databases such as Amazon Aurora and Google AlloyDB impose limitations and lock-in, and are expensive at scale.

As a result of these compromises, developers have to make costly tradeoffs and work around these limitations.

A Modern Database for Cloud Native Applications

Building modern apps on legacy databases no longer makes sense. New, enterprise-proven, cloud native options exist. YugabyteDB is the PostgreSQL-compatible distributed database for modern transactional applications. YugabyteDB uniquely combines advanced relational database capabilities and runtime PostgreSQL-compatibility with the scalability and resilience of cloud native architectures. YugabyteDB is essentially distributed PostgreSQL for modern applications.

PostgreSQL Compatible	Seamlessly Scalable	Natively Resilient
Enterprise Grade	Global + Local	Multi & Hybrid Cloud

Use Cases for YugabyteDB

↗ **Database modernization:**

You are on a journey to build a data-driven, future-proof organization. Migrate Oracle, SQL Server, and DB2 workloads to a distributed SQL database with minimal disruption using YugabyteDB Voyager.

↗ **Cloud native applications:**

Accelerating app development and creating new revenue streams requires a flexible, modern stack from the infrastructure to the database to the app. Distributed SQL databases deliver cloud native benefits including productivity, agility, and performance.

↗ **Edge and streaming applications:**

Data is everywhere, driving the need for a modern, distributed database that can store and deliver data from anywhere in the world with predictable performance, elastic scalability, and a flexible topology.

↗ **Geo distributed workloads:**

Move data closer to users to ensure resilience, performance, and compliance using the industry's largest choice of deployment and replication models.

Industry Leaders Trust YugabyteDB

Kroger   gm   Rakuten   WELLS FARGO   trendyol   narvar

Admiral   abra controls   xignite   Plume   COMCAST   HRT   VOICELAND

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YugabyteDB Benefits

- **Productivity:** Increase developers rate of innovation and competitiveness by bringing new ideas to production within hours/days using familiar tools and APIs.

- **Resilience:** Ensure that applications and services are always available without any impact on performance despite infrastructure or cloud failures.

- **Efficiency:** Make high-impact changes frequently and predictably with minimal work and support a diverse set of dynamic workloads with a single, elastic database.

- **Savings:** Spend up to 80% less on technology through lower licensing fees, database consolidation, and greater operational efficiencies.

- **Security:** Harden security, achieve compliance, deliver end-to-end encryption, and mitigate risks when moving your applications and data to the cloud.

- **Open source:** Avoid vendor lock-in and enjoy the flexibility and agility of adopting flexible, innovative, and community-supported open source software.

Flexible Deployment Options

↗ **YugabyteDB Open Source:** YugabyteDB is available for free download on GitHub. For those looking to migrate and modernize legacy RDBMS workloads seamlessly, our open source tool, YugabyteDB Voyager, is designed to facilitate end-to-end database migration.

↗ **YugabyteDB Aeon:** Experience the simplicity of a fully managed database-as-a-service with YugabyteDB Aeon. This service automates the deployment, scaling, management, and recovery of YugabyteDB databases across AWS, Azure, and Google Cloud. YugabyteDB Aeon allows you to start easily and quickly — create an account, spin up databases within minutes, all without worrying about operational complexity.

For customers seeking flexibility of infrastructure, YugabyteDB Aeon BYOC (Bring Your Own Cloud) allows the deployment of YugabyteDB clusters in any public, private, or hybrid cloud environment. This option offers the freedom to leverage your existing cloud infrastructures while benefiting from YugabyteDB managed services.

About Yugabyte

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 Sapphire Ventures, Lightspeed Venture Partners, Dell Technologies Capital, 8VC, Wipro Ventures, and others.

www.yugabyte.com