

YugabyteDB – Distributed PostgreSQL for Modern Financial Applications

Elevate Your Cloud-Native Apps with a Distributed, Multi-Cloud Database Built for Resilience, Scalability, and Flexibility

Introducing A Modern Database for Cloud Native Applications

Rising customer expectations and competition are driving banking, investment, insurance, and fintech companies to innovate faster. YugabyteDB is the PostgreSQL-compatible distributed database to power modernization of transactional applications. YugabyteDB uniquely combines advanced relational database capabilities and runtime PostgreSQL-compatibility with the scalability and ultra-resilience of cloud native architectures.



PostgreSQL
Compatible



Seamlessly
Scalable



Natively
Resilient



Enterprise
Grade



Global +
Local



Multi & Hybrid
Cloud

Financial Services Use Cases For YugabyteDB

Database modernisation | Edge and streaming applications | Geo-distributed workloads

➤ Accelerate Payment Processing:

Quickly and efficiently process financial transactions while ensuring that customer data is secure and always available. YugabyteDB ensures **High Performance at Scale** to support more transactions or connections while maintaining low latencies. Get **Operational Efficiency** and streamline day 2 operations with easy management and automatic rebalancing. Ensure Security so that financial data is protected wherever it is.

➤ Simplify Distributed Financial Ledgers:

Scale your financial ledger to millions of transactions per day seamlessly with a single, geo-distributed system of record. Store critical data accurately and securely—while integrating with your existing tools. YugabyteDB offers **Strong Consistency** to ensure data accuracy and ACID-level guarantees, **Continuous Availability** that eliminates downtime due to infrastructure failures or planned system maintenance, and **Horizontal Scalability** for scaling on demand seamlessly when needed to handle unexpected spikes.

➤ Unify Customer Data across Service:

Customer interactions have become more complex as data spans global services. By adopting a unified data layer that is platform, cloud and API agnostic, financial institutions can eliminate legacy silos and enjoy a unified view of customers. **Dynamic Workload Optimization** handles diverse workload needs with a unified database that is cloud and platform agnostic, and **Global Geo-Distribution** supports the widest array of sync and async replication capabilities to balance performance and consistency needs while maintaining data integrity.

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 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.
- **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.

Get Started in Minutes

Ready to take your database to the next level? Embrace our fully managed DBaaS in minutes with a free cluster in AWS, Azure, or GCP.

Get started at cloud.yugabyte.com.

For more information, contact a YugabyteDB expert at yugabyte.com/contact.



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