

# The Transactional Database for Globally Distributed Applications

## WHAT IS YUGABYTE DB?

### SQL and NoSQL in a Single Open Source Database

- HIGH PERFORMANCE
- REDUCE COSTS
- TRANSACTIONAL
- SIMPLIFY OPERATIONS
- PLANET-SCALE
- INCREASE AGILITY

## OPPORTUNITY IS EVERYWHERE

Companies today are under constant pressure to deliver applications that can support users across the globe. At the same time they need to ensure high performance, transactional consistency, and availability 24/7.

Why deploy multiple caching, SQL and NoSQL databases to satisfy these requirements? These architectures increase costs, complicate operations and make it challenging for developers to deliver new features.

YugaByte DB is the database that helps organizations deliver globally distributed applications, while at the same time helping them minimize the number of databases or nodes required to meet their SLAs.

YugaByte DB enables organizations to:

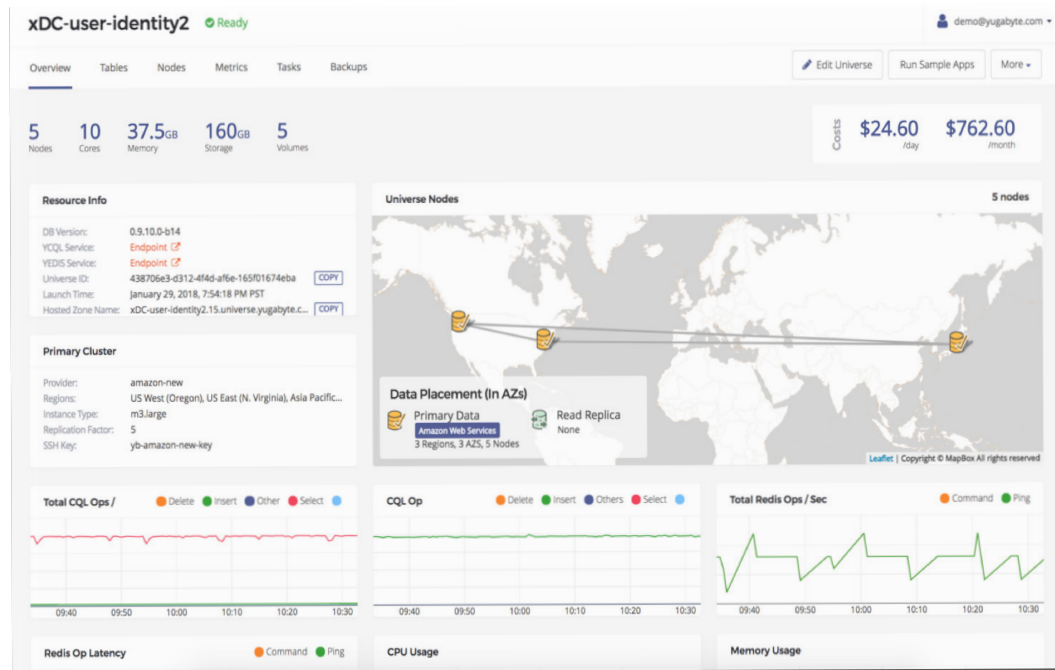
- **Reduce Costs:** As demand increases, so do infrastructure and software licensing costs when an app depends on multiple vendors and cloud providers.
- **Simplify Operations:** Using YugaByte DB for both SQL and NoSQL use cases means more streamlined operations and more predictable CAPEX and OPEX.
- **Deliver Projects Faster:** YugaByte DB is a multi-model, multi-API, multi-cloud database with a common underlying storage engine. This means developers can focus on features instead of data access.
- **Avoid Cloud Lock-In:** If your core business is in competition with your cloud provider, isn't it time to diversify?



## HOW YUGABYTE DB HELPS ENTERPRISE ARCHITECTS

YugaByte DB accelerates and simplifies the delivery of globally distributed applications.

- **High Performance:** Over 90% better performance than Cassandra when handling over 10 Million keys. The denser the data sets, the better YugaByte DB performs vs other databases.
- **Transactional:** Support for distributed ACID transactions across nodes and availability zones.
- **Planet-Scale:** Automated scale-out and rebalancing across availability zones and cloud providers without downtime or performance bottlenecks.
- **Development Agility:** Support for Cassandra, Redis and PostgreSQL wire compatible APIs to accelerate development.
- **Cloud Native:** Designed from the ground up for the cloud and containers. Runs on AWS, Google Cloud, Azure, Pivotal, Kubernetes, Docker and private datacenters.
- **Open Source:** Transparent and extensible, Apache 2.0 licensed.



**YUGABYTE DB ENTERPRISE EDITION**

Production support for YugaByte DB including:

- ACID transactions
- Low latency & high throughput
- Global data distribution
- Multi-cloud orchestration
- Read replicas
- Distributed backup and restore
- Tiered storage for hot and cold data
- Encryption on the wire and at rest

**ABOUT YUGABYTE**

YugaByte is the company behind the open source YugaByte DB project. YugaByte DB is a cloud native, transactional, high-performance database for planet-scale cloud applications. Founded in 2016 by former Facebook engineers and other database experts, YugaByte is backed by Lightspeed Venture Partners and Dell Technologies Capital.

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