

YugabyteDB Anywhere Product Brief

Simplifying Self-Managed
Database-as-a-Service

YugabyteDB Anywhere is the self-managed database-as-a-service (DBaaS) offering of YugabyteDB, the cloud native distributed SQL database for business-critical transactional applications. By surrounding YugabyteDB with an advanced orchestration and automation engine, YugabyteDB Anywhere simplifies the deployment and management of YugabyteDB deployments across on-prem or cloud environments.

Industry-leading companies like Kroger, GM, and Wells Fargo rely on YugabyteDB Anywhere. It allows them to deploy YugabyteDB across clouds with just a few clicks, simplify day 2 operations through automation, and get the database support and services they need to realize their business outcomes.

At-a-Glance Comparison

Successful database modernization initiatives need to deliver clear business outcomes. As you analyze and compare database features, consider how those features map to key outcomes. Most enterprise customers want to increase the following five areas: productivity, resiliency, efficiency, savings, and security.

Key Capabilities

- ✓ Rapid deployment at global scale
- ✓ Automated provisioning
- ✓ Unified real-time monitoring
- ✓ Simplified security management
- ✓ Native cloud integration
- ✓ Enhanced, multi-cloud API
- ✓ 24x7x365 support

The Benefits of YugabyteDB Anywhere

YugabyteDB Anywhere provides additional benefits and capabilities around the core features freely available in the open source YugabyteDB offering. Enterprises need to deploy modern databases at scale while reducing the operational costs. YugabyteDB Anywhere helps organizations do the following:

1. Unlock Developer Productivity

Enable developers to spin up a database for their apps in minutes so they can focus on building applications rather than scaling, managing, or monitoring the underlying database.

2. Achieve Operational Efficiency

Lower operational costs and technical risks associated with large, geographically distributed applications. Simplify infrastructure management through integration with AWS, Google Cloud, and Microsoft Azure, and greatly ease the challenges of deploying multi-region Kubernetes.

3. Accelerate Time to Market

Focus on innovation by delivering differentiated applications with elastic scaling of the database tier and seamless provisioning, while relying on a world class database service and support team. Use the built-in performance advisor to ensure optimal performance.

Expanding Core YugabyteDB Capabilities

YugabyteDB Anywhere includes the highly resilient, scalable, and open source distributed SQL database, YugabyteDB, plus the cloud native operational excellence capabilities required to deliver a private DBaaS. These include:

1. Infrastructure Operations

The YugabyteDB Orchestration Engine automates server provisioning, data placement, non-disruptive machine resizing, security group settings, subnet configuration, Kubernetes deployments, and more.

2. Consolidated Management

A highly available UI and API help manage your entire YugabyteDB footprint and integrate database management with the private cloud control plane. A Terraform Provider provides another option for automating YugabyteDB Anywhere resources.

3. Intelligent Day 2 Operations

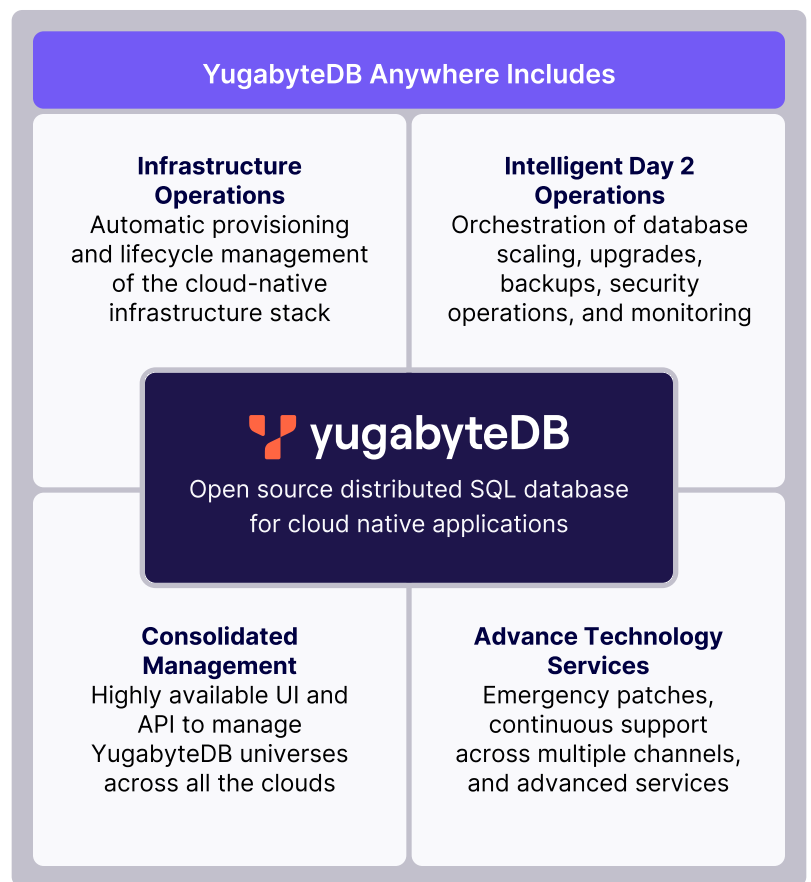
Scaling, observability, monitoring, alerting, and security management are provided seamlessly, out of the box. Built-in Performance Advisor helps optimize performance.

4. Advanced Technology Services

Expert support and services are available 24x7 to ensure that you achieve your business objectives with YugabyteDB.

"With **YugabyteDB** and **YugabyteDB Anywhere**, we are able to scale rapidly. Our partnership means onboarding new customers and maintaining GDPR compliance becomes a competitive advantage."

Aman Singla, Co-founder and Head of Engineering, Plume



Key Features of YugabyteDB Anywhere

Core YugabyteDB Features

Distributed SQL Database (open source)

- ✓ PostgreSQL compatible and Cassandra-inspired APIs
- ✓ Horizontal scalability with auto sharding, replication, and load balancing
- ✓ Synchronous and asynchronous replication
- ✓ Multi-row ACID transactions
- ✓ High throughput and low latency in a geo-distributed environment
- ✓ Security and compliance
- ✓ Integrations with DevOps ecosystem
- ✓ Data migration with YugabyteDB Voyager
- ✓ Incremental backups and point in time recovery
- ✓ Change Data Capture (CDC)

YugabyteDB Anywhere Features

Infrastructure Operations

- ✓ Integration with public cloud and cloud native orchestration platforms
- ✓ Automatic server and container provisioning
- ✓ Changing machine types on the fly with zero downtime
- ✓ Security group and subnet configuration for networking
- ✓ Flexible storage options (local NVMe, remote EBS volumes)
- ✓ Role-based access control for engineers and operators
- ✓ Multi-region Kubernetes deployments with Multi-Cluster Services

Intelligent Day 2 Operations

- ✓ One-click provisioning of database clusters
- ✓ Zero downtime scale up and scale down
- ✓ Built-in Performance Advisor
- ✓ Scheduled automated backups and disaster recovery
- ✓ Automated rolling software upgrades with zero downtime
- ✓ Security operations (key rotation, encryption, third party integration)
- ✓ Real-time monitoring and alerting

Consolidated Management

- ✓ Seamless user experience for managing fleets of database clusters
- ✓ High availability of the management console
- ✓ GUI and API for integration with industry leading APM solutions
- ✓ Infrastructure as code with Terraform Provider

Advanced Technology Services

- ✓ Emergency patches
- ✓ 24/7/365 support through web and phone
- ✓ Bespoke professional services based on database reliability engineering principles – schema design, data migration, performance tuning, benefit analysis, and more

“The ability to **scale and rebalance** very large datasets without downtime or performance bottlenecks is critical to our customers and our business. **YugabyteDB** helps us focus on growing our business instead of maintaining a complex caching and relational database architecture.”

Stephane Dubois, CEO, Xignite