YugabyteDB Anywhere
Product Brief

Simplifying Self-Managed Database as a Service

At A Glance

YugabyteDB Anywhere simplifies delivering a private DBaaS at scale. By combining the industry's most PostgreSQL-compatible distributed SQL database, YugabyteDB, with intelligent automation, advanced monitoring, expanded APIs and 24×7×365 support, enterprise customers can deliver and control a world-class, distributed database with ease.

Key Capabilities

— Rapid deployment at global scale

— Automated provisioning

— Unified real-time monitoring

— Simplified security management

— Native cloud integration

— Enhanced, multi-cloud API

— 24×7×365 support

Introduction

YugabyteDB Anywhere is a self-managed database-as-a-service offering of YugabyteDB, the cloud native distributed SQL database for mission-critical enterprise applications. For organizations that want to use YugabyteDB in cloud native environments at scale, it provides the simplicity and support to deliver a private database-as-a-service (DBaaS) to meet the expanding needs of any enterprise.

Industry-leading companies like Kroger, GM, Plume and Wells Fargo rely on YugabyteDB Anywhere to deploy YugabyteDB across clouds anywhere in the world with just a few clicks, to simplify day 2 operations through automation, and to get the support and services needed to realize business outcomes.

The Benefits Of YugabyteDB Anywhere

YugabyteDB Anywhere was designed to provide additional benefits and capabilities around the core features freely available in the open source YugabyteDB offering. Specifically, as enterprises need to deploy databases at scale and simplify their operations, YugabyteDB Anywhere delivers additional features, services and support the help organizations do that following:

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.

Achieve Operational Efficiency
Lower operational costs and technical risks associated with managing a large, geographically distributed database footprint through automation, including native integration with leading public clouds like AWS, Google Cloud, and Microsoft Azure.

Accelerate Time to Market
Focus on innovation by delivering differentiated applications with elastic scaling of the database tier and seamless provisioning while being supported by a world class services and support team.

Expanding Core YugabyteDB Capabilities

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

1. **Infrastructure Operations**
   The YugabyteDB Orchestration Engine automates server provisioning, intelligent placement, non-disruptive machine resizing, security group, subnet configuration, and more

2. **Intelligent Day 2 Operations**
   Scaling, observability, monitoring, alerting, and security management are provided seamlessly, out of the box

3. **Consolidated Management**
   A highly available UI and API help manage your entire YugabyteDB footprint and integrate database management with the private cloud control plane, allowing you to consolidate users and simplify ongoing management
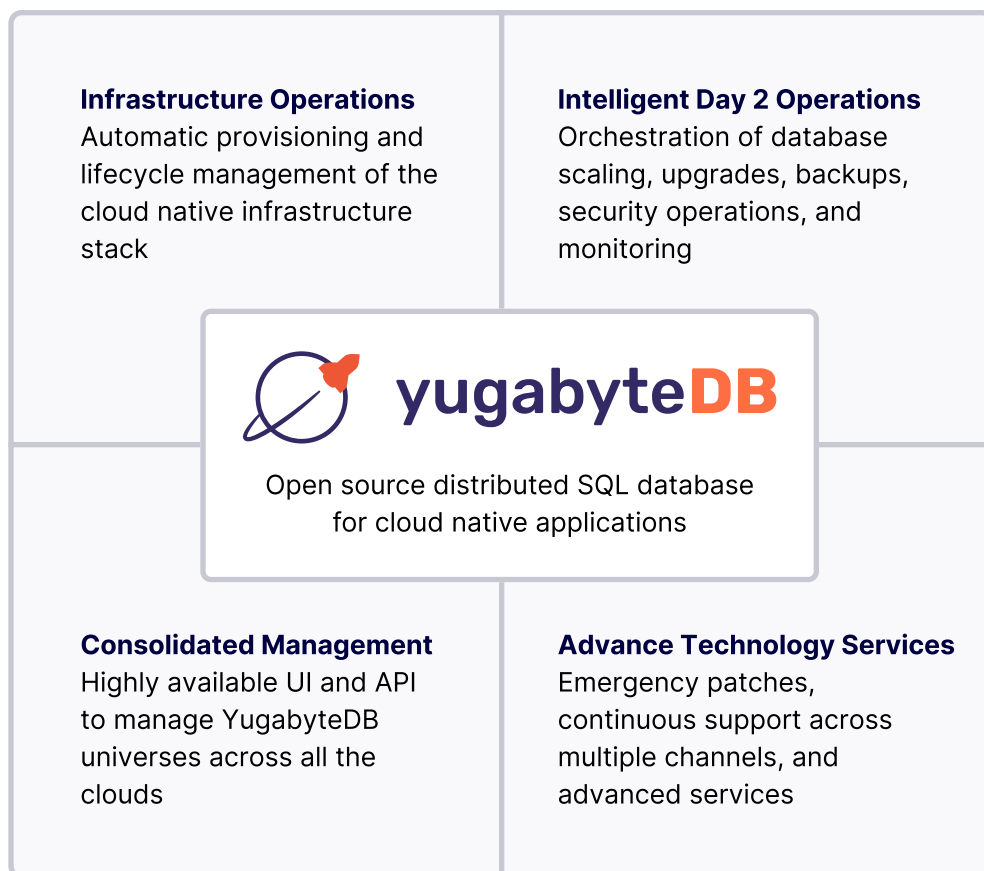
4. **Advanced Technology Services**
   Expert support and services are available 24×7 to ensure that you achieve business objectives with YugabyteDB

YugabyteDB Anywhere Includes

> " 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**

Infrastructure Operations
Automatic provisioning and lifecycle management of the cloud native infrastructure stack

Intelligent Day 2 Operations
Orchestration of database scaling, upgrades, backups, security operations, and monitoring

yugabyteDB
Open source distributed SQL database for cloud native applications

Consolidated Management
Highly available UI and API to manage YugabyteDB universes across all the clouds

Advance Technology Services
Emergency patches, continuous support across multiple channels, and advanced services

Key Features Of YugabyteDB Anywhere

Core YugabyteDB Features

Distributed SQL Database (open source)	• PostgreSQL and Cassandra compatible APIs • Horizontal Scalability with automatic 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 tools • Incremental backups and point in time recovery • Change Data Capture (CDC)

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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
Intelligent Day 2 Operations	• One-click provisioning of database clusters • Zero downtime scale up and scale down • Scheduled automated backups and disaster recovery • Automated rolling software upgrades with zero downtime • Security operations; e.g., key rotation, turnkey encryption, integration with third party tools • 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
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**

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