

Google is positioned furthest in vision among all leaders in the 2023 Gartner® Magic Quadrant™ for Cloud DBMS. [Get the report](#)

Google Cloud databases

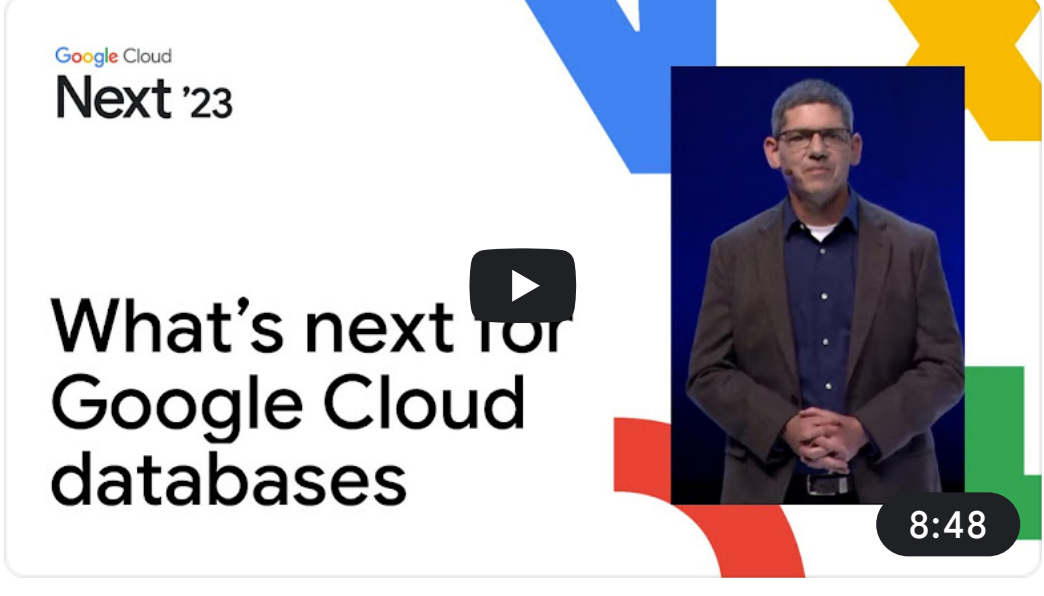
Google Cloud databases provide you the best options for building enterprise generative AI apps for organizations of any size.

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Industry-leading platform for innovation

Google Cloud provides an intelligent, open, and unified [data and AI cloud](#) to support your gen AI future. Revolutionize customer experiences with operational databases you know and love, in virtually any environment whether in the cloud or on-premises. And with [Gemini in Databases](#), you can simplify all aspects of the database journey with AI-powered assistance.



What's next for Google Cloud databases

character.ai

Scaling a generative AI platform

Learn how Character.AI uses AlloyDB and Spanner to serve five times the query volume at half the query latency.



Achieving 10x growth with Spanner

Discover how Spanner's scalability and reliability enabled Google Photos to achieve 10x growth for their 1B+ users.



Migrating to AlloyDB

Learn how B4A saw catalog query performance accelerate by 90% upon migrating to AlloyDB for PostgreSQL.



Databases that fit your needs

DATABASE TYPE	GOOGLE CLOUD SERVICE	USE CASE EXAMPLES
Relational	Cloud SQL Fully managed MySQL , PostgreSQL , and SQL Server . Simplify migrations to Cloud SQL from MySQL, PostgreSQL, and Oracle databases with Database Migration Service . Set up easy-to-use, low-latency database replication with Datastream .	<ul style="list-style-type: none">✔ CRM✔ ERP✔ Ecommerce and web✔ SaaS application
	AlloyDB for PostgreSQL PostgreSQL-compatible database service for your most demanding enterprise workloads. AlloyDB Omni is a downloadable edition designed to run anywhere—in your datacenter, your laptop, and in any cloud. Use AlloyDB AI to easily build enterprise generative AI applications. Simplify migrations to AlloyDB with Database Migration Service .	<ul style="list-style-type: none">✔ Heterogenous migrations✔ Legacy applications✔ Enterprise workloads✔ Hybrid cloud, multicloud, and edge
	Spanner Cloud-native with unlimited scale, global consistency, and up to 99.999% availability. Processes more than 3 billion requests per second at peak. Create a 90-day Spanner free trial instance with 10 GB of storage at no cost. Migrate from databases like Oracle or DynamoDB .	<ul style="list-style-type: none">✔ Gaming✔ Retail✔ Global financial ledger✔ Supply chain/inventory management
	Bare Metal Solution for Oracle Lift and shift Oracle workloads to Google Cloud.	<ul style="list-style-type: none">✔ Legacy applications✔ Data center retirement
	BigQuery Serverless, highly scalable, and cost-effective multicloud data warehouse designed for business agility and offers up to 99.99% availability. Enable near real-time insights on operational data with Datastream for BigQuery .	<ul style="list-style-type: none">✔ Multicloud analytics✔ Real-time processing✔ Built-in machine learning
Key-value	Bigtable Highly performant, fully managed NoSQL database service for large analytical and operational workloads. Offers up to 99.999% availability. Processes more than 7 billion requests per second at peak, and with more than 10 Exabytes of data under management. Learn how to migrate from HBase or Cassandra .	<ul style="list-style-type: none">✔ Personalization✔ Adtech✔ Recommendation engines✔ Fraud detection
Document	Firestore Highly-scalable, massively popular document database service for mobile, web, and server development that offers richer, faster queries and high availability up to 99.999%. Has a thriving developer community of more than 250,000 monthly active developers.	<ul style="list-style-type: none">✔ Mobile/web/IoT applications✔ Real-time sync✔ Offline sync
	Firestore Realtime Database Store and sync data in real time.	<ul style="list-style-type: none">✔ Mobile sign-ins✔ Personalized applications and ads✔ In-app chat
In-memory	Memorystore Fully managed Redis and Memcached for sub-millisecond data access. Memorystore for Redis Cluster is a fully managed service which can easily scale to terabytes of keyspace and tens of millions of operations per second.	<ul style="list-style-type: none">✔ Caching✔ Gaming✔ Leaderboard✔ Social chat or news feed
Additional NoSQL	MongoDB Atlas Global cloud database service for modern applications.	<ul style="list-style-type: none">✔ Mobile/web/IoT applications✔ Gaming✔ Content management✔ Single view
	Google Cloud Partner Services Managed offerings from our open source partner network, including MongoDB, Datastax, Redis Labs, and Neo4j.	<ul style="list-style-type: none">✔ Leverage existing investments

Ready to get started? Let's solve your challenges together.

See how tens of thousands of customers are building data-driven applications using Google's data and AI cloud.

Learn more

Make your database your secret advantage with Google Cloud.

Read the whitepaper

Looking for technical resources? [Explore our guides and tutorials](#).

See how our customers saved time and money with Google Cloud databases

BLOG POST

Sabre chose Bigtable and Spanner to serve more than 1 billion travelers annually

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How Renault migrated 70 applications from Oracle databases to Cloud SQL for PostgreSQL

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BLOG POST

How Bitly migrated 80 billion rows of core link data from a self-managed MySQL database to Bigtable

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