The different Database options available in Google Cloud are as follows.

Database

AlloyDB Scalable & performant PostgreSQL-

compatible DB

Cloud Bigtable Petabyte-scale, low-latency, non-

relational

Cloud Firestore Serverless NoSQL document DB

Cloud Memorystore Managed Redis and Memcached

Cloud SQL Managed MySQL, PostgreSQL, SQL

Server

Cloud SQL Insights SQL Inspector

Cloud Spanner Horizontally scaleable relational

database

Database Migration Service Migrate to Cloud SQL

	Overview	
DATABASE TYPE	GOOGLE CLOUD SERVICE	USE CASE EXAMPLES
	 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. 	CRMERPEcommerce and webSaaS application
Relational	 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. 	 Heterogenous migrations Legacy applications Enterprise workloads Hybrid cloud, multicloud, and edge
	 Cloud 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. 	 Gaming Retail Global financial ledger Supply chain/inventory management

DATABASE TYPE	GOOGLE CLOUD SERVICE	USE CASE EXAMPLES
	Bare Metal Solution for Oracle Lift and shift Oracle workloads to Google Cloud.	Legacy applicationsData center retirement
Relational	 Serverless, highly scalable, and costeffective multicloud data warehouse designed for business agility and offers up to 99.99% availability. Enable near real-time insights on operational data with <u>Datastream for BigQuery</u>. 	Multicloud analyticsReal-time processingBuilt-in machine learning
Key-value	 Cloud Bigtable Highly performant, fully managed NoSQL database service for large analytical and operational workloads. Offers up to 99.999% availability. Processes more than 5 billion requests per second at peak, and with more than 10 Exabytes of data under management. Learn how to migrate from HBase or Cassandra. 	PersonalizationAdtechRecommendation enginesFraud detection
Document	 Firestore/Datastore 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. 	 Mobile/web/loT applications Real-time sync Offline sync

	Overview	
DATABASE TYPE	GOOGLE CLOUD SERVICE	USE CASE EXAMPLES
	Store and sync data in real time.	 Mobile sign-ins Personalized applications and ads In-app chat
In-memory	 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. 	CachingGamingLeaderboardSocial chat or news feed
Additional NoSQL	 MongoDB Atlas Global cloud database service for modern applications. 	 Mobile/web/loT applications Gaming Content management Single view
	Managed offerings from our open source partner network, including MongoDB, Datastax, Redis Labs, and Neo4j.	Leverage existing investments