**Cloud SQL**

Fully managed relational database service for MySQL, PostgreSQL, and SQL Server. Run the same relational databases you know with their rich extension collections, configuration flags and developer ecosystem, but without the hassle of self management.

* Reduce maintenance cost with fully managed [MySQL](https://cloud.google.com/sql/mysql), [PostgreSQL](https://cloud.google.com/sql/postgresql) and [SQL Server](https://cloud.google.com/sql/sqlserver) databases
* Ensure business continuity with reliable and secure services backed by 24/7 SRE team
* Automate database provisioning, storage capacity management, and other time-consuming tasks
* Database observability made easy for developers with Cloud SQL Insights
* Easy integration with existing apps and Google Cloud services like GKE and BigQuery

BENEFITS

#### **Secure and compliant**

Data encryption at rest and in transit. Private connectivity with Virtual Private Cloud and user-controlled network access with firewall protection. Compliant with SSAE 16, ISO 27001, PCI DSS, and HIPAA.

#### **Scale as you go**

Scale your instances effortlessly with a single API call whether you start with simple testing or you need a highly available database in production.

#### **Set up in minutes**

Standard connection drivers and built-in migrational tools allow you to create and connect to your first database in just a few minutes.

Key features

Fully managed

Cloud SQL automatically ensures your databases are reliable, secure, and scalable so that your business continues to run without disruption. Cloud SQL automates all your backups, replication, encryption patches, and capacity increases—while ensuring greater than 99.95% availability, anywhere in the world.

Integrated

Access Cloud SQL instances from just about any application. Easily connect from [App Engine](https://cloud.google.com/appengine), [Compute Engine](https://cloud.google.com/compute), [Google Kubernetes Engine](https://cloud.google.com/kubernetes-engine), and your workstation. Open up analytics possibilities by using BigQuery to [directly query](https://cloud.google.com/bigquery/docs/cloud-sql-federated-queries) your Cloud SQL databases.

Reliable

Easily configure replication and backups to protect your data. Go further by enabling automatic failover to make your database highly available. Your data is automatically encrypted, and Cloud SQL is SSAE 16, ISO 27001, and PCI DSS compliant and supports HIPAA compliance.

Easy migrations to Cloud SQL

Database Migration Service (DMS) makes it easy to migrate your production databases to Cloud SQL with minimal downtime. This serverless offering eliminates the manual hassle of provisioning, managing, and monitoring migration-specific resources. DMS leverages the native replication capabilities of [MySQL](https://cloud.google.com/sql/mysql) and [PostgreSQL](https://cloud.google.com/sql/postgresql) to maximize the fidelity and reliability of your migration. And it’s available at no additional charge for native like-to-like migrations to Cloud SQL

## MySQL pricing examples

|  |  |  |  |
| --- | --- | --- | --- |
| **Use case** | **Configuration details** | **Monthly cost** | **Pricing Calculator** |
| Test instance | * 1 CPU * 614 MB memory * 10 GB storage * No backup storage * No commitment term * Not highly available * us-central1 region | $9.37 | [Calculated estimate](https://cloud.google.com/products/calculator#id=844f770c-560c-4ea7-a04d-8ed799b2817c) |
| Highly available production database | * 4 CPUs * 24 GB memory * 60 GB storage * 80 GB backup storage * 3-year commitment term * Highly available * us-central1 region | $273.55 | [Calculated estimate](https://cloud.google.com/products/calculator#id=73dadab1-b459-4978-a05e-0f3c7c80b601) |
| Higher performance, highly available production database | * 32 CPUs * 208 GB memory * 10,230 GB storage * 1,000 GB backup storage * 3-year commitment term * Highly available * us-central1 region | $5,532.26 | [Calculated estimate](https://cloud.google.com/products/calculator#id=2ab02855-e7e6-454b-9731-50aa7032b7a5) |

## PostgreSQL pricing examples

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| --- | --- | --- | --- |
| **Use case** | **Configuration details** | **Monthly cost** | **Pricing Calculator** |
| Test instance | * 1 shared CPU * 0.6 GB memory * 10 GB storage * No backup storage * No commitment term * Not highly available * us-central1 region | $9.37 | [Calculated estimate](https://cloud.google.com/products/calculator#id=2b55d73d-0242-41ad-8a0c-a3f7e0e745cc) |
| Highly available production database | * 4 CPUs * 24 GB memory * 60 GB storage * 80 GB backup storage * 3-year commitment term * Highly available * us-central1 region | $260.31 | [Calculated estimate](https://cloud.google.com/products/calculator#id=61176c3f-62bc-4f94-bf20-47814f6ef390) |
| Higher performance, highly available production database | * 32 CPUs * 208 GB memory * 10,230 GB storage * 1,000 GB backup storage * 3-year commitment term * Highly available * us-central1 region | $5,504.74 | [Calculated estimate](https://cloud.google.com/products/calculator#id=69e82075-13da-4181-b5e7-ef7eb66d43eb) |

## SQL Server pricing examples

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| **Use case** | **Configuration details** | **Monthly cost** | **Pricing Calculator** |
| Test instance | * 1 CPU * 3.75 GB memory * 20 GB storage * No backup storage * No commitment term * Not highly available * Standard license * us-central1 region | $432.31 | [Calculated estimate](https://cloud.google.com/products/calculator#id=bc9d1c9e-09a7-4250-a0cd-b931a5149658) |
| Highly available production database | * 4 CPUs * 24 GB memory * 60 GB storage * 80 GB backup storage * 3-year commitment term * Highly available * Standard license * us-central1 region | $646.31 | [Calculated estimate](https://cloud.google.com/products/calculator#id=47d4c858-0ea5-4af4-ba61-a7387bffff81) |
| Higher performance, highly available production database | * 32 CPUs * 208 GB memory * 10,230 GB storage * 1,000 GB backup storage * 3-year commitment term * Highly available * Standard license * us-central1 region | $8,621.54 | [Calculated estimate](https://cloud.google.com/products/calculator#id=b58d50f2-100a-4392-8b17-df5f30b48c74) |