#60 Collect pricing data

PostgreSQL
Open source
Free runs in docker
Needs server/backend to direct users

MySQL
Open Source
Free
Needs server/backend to direct users
6000 license can be bought but is not needed

SQLite
Free
Needs server/backend to direct users

Oracle
This includes server

Currency

USD - US Dollar ($)   ▼

Base Database Service - ECPU metric

Product	Comparison price (/ vCPU)*	Unit price	Unit
Oracle Base Database Service - Standard	—	$0.0538	ECPU per hour
Oracle Base Database Service - Enterprise	—	$0.1075	ECPU per hour
Oracle Base Database Service - High Performance	—	$0.2218	ECPU per hour
Oracle Base Database Service - BYOL	—	$0.0484	ECPU per hour
Oracle Base Database Service - Database Storage	—	$0.0595	Gigabyte storage capacity per month

Base Database Service with ECPU pricing is available for standard x86 shapes in OCI.

For Bring-Your-Own-License (BYOL) details, including eligible Oracle on-premises software licenses and conversion rates (i.e., ratio requirement of software license metric to cloud equivalent metric), refer to Oracle PaaS and IaaS Universal Credits Service Descriptions document (PDF).

Microsoft
This includes server

Standard-series (Gen 5)

Standard-series (Gen 5) logical CPUs are based on Intel E5-2673 v4 (Broadwell) 2.3 GHz, Intel SP8160 (Skylake), Intel Xeon Platinum 8272CL 2.5 GHz (Cascade Lake) and Intel(R) Xeon Scalable 2.8 GHz processor (Ice Lake) processors. In the standard-series (Gen 5), 1 vCore = 1 hyper thread. The standard-series (Gen 5) logical CPU is great for most relational database servers.

vCORE	Memory (GB)	Pay as you go	1 year reserved capacity [1]	3 year reserved capacity [1]
2	10.2	$266.684/month	$173.332/month ~35% savings	$119.998/month ~55% savings
4	20.4	$533.368/month	$346.663/month ~35% savings	$239.995/month ~55% savings
6	30.6	$800.051/month	$519.994/month ~35% savings	$359.993/month ~55% savings
8	40.8	$1,066.735/month	$693.325/month ~35% savings	$479.990/month ~55% savings
10	51	$1,333.418/month	$866.656/month ~35% savings	$599.987/month ~55% savings

Here is the cost using different backends with these databases
This applies the first three choices PostgreSQL, MySQL, SQLite as they can all be used

Provider	Entry-Level	Mid-Range	Enterprise-Level	Free Tier
AWS RDS MySQL	$12.41 (db.t4g.micro: 2 vCPU, 1 GiB)	$99.28 (db.m6g.large: 2 vCPU, 8 GiB)	$794.24 (db.m6g.4xlarge: 16 vCPU, 64 GiB)	Yes (12 months)
AWS Aurora MySQL	$59.86 (db.t4g.medium: 2 vCPU, 4 GiB)	$211.70 (db.r6g.large: 2 vCPU, 16 GiB)	$1,693.60 (db.r6g.4xlarge: 16 vCPU, 128 GiB)	Yes (12 months)
Google Cloud SQL	$11.32 (db-f1-micro: 0.2 vCPU, 0.6 GiB)	$122.49 (db-n1-standard-2: 2 vCPU, 7.5 GiB)	$980.03 (db-n1-standard-16: 16 vCPU, 60 GiB)	Yes (90 days)
Azure MySQL	$14.60 (B1ms: 1 vCPU, 2 GiB)	$99.28 (GP_Gen5_4: 4 vCPU, 16 GiB)	$794.24 (GP_Gen5_32: 32 vCPU, 128 GiB)	Yes (12 months)
DigitalOcean	$15.15 (1 vCPU, 1 GiB)	$60.90 (2 vCPU, 4 GiB)	$244.35 (6 vCPU, 16 GiB)	No
Aiven	Free (2 vCPU, 1 GiB)	$110 (Startup tier: 2-4 vCPU, 4-8 GiB)	$435 (Premium tier: 4-8 vCPU, 16-32 GiB)	Yes

Supabase or Neon
Open source PostgreSQL serverless backend
Price depends on usage will be around 20$ for our needs