

Lab 1 Assessment

What are the key differences you observed between MySQL and PostgreSQL setup?

Honestly, the setup process was pretty similar for both databases. The main differences I noticed were that PostgreSQL uses port 5432 instead of 3306, and the default username is 'postgres' instead of 'admin'. Also, when I was testing the databases, PostgreSQL uses different commands, like '\l' to list databases instead of 'SHOW DATABASES', and the table creation syntax is slightly different with SERIAL for auto-incrementing IDs.

How long did it take for each instance to become available?

Both instances took about 12-15 minutes to become available. The MySQL one seemed to finish first, maybe around 12 minutes, and PostgreSQL was about 14 minutes. It's definitely not instant, you have to be patient and wait for AWS to provision everything behind the scenes.

What would happen if you chose a larger instance class?

If I picked a larger instance class like db.t3.small or db.m5.large, it would cost more money per hour and give me better performance with more CPU and memory. But for these labs, the micro instance is fine since we're just learning. The bigger instances would be good for production workloads that need more power.