The missing sync layer for **modern** apps

Build reactive, realtime, local-first apps directly on Postgres.

<div>

Quickstart ››

Star (4,587)

</div>

```
ALTER TABLE projects
  ENABLE ELECTRIC
```

Users

Projects

Issues   Comments

Your existing data model

```
const { results } = useLiveQuery(
  db.projects.liveMany()
```

App

ElectricProvider

Component   Component

Your local-first app

Access rules   **Sync shapes**   Live queries   Local writes

Craft how data syncs on and off your app using Shapes.

Shapes allow you to manage dynamic partial replication between Postgres in the cloud and SQLite in the local app.

```
const shape = await
db.projects.sync({
  where: {
    owner_id: auth.user_id
  },
  include: {
    issues: {
```

```
      include: {
        comments: {
          include: {
            author: true
          }
        }
      }
    }
  });
```

Anurag Goel
Founder - Render

"ElectricSQL is a great choice for a local-first sync layer that you can run anywhere yourself."

Johannes Schickling
Founder - Prisma

"I'm very impressed with ElectricSQL's approach to sync and their thoughtful API design."

José Valim
Creator - Elixir

"ElectricSQL brings the full power of the Erlang VM to local-first software development."

For

Modern UX

Instant reactivity   **Realtime multi-user**   **Conflict-free offline**

Local-first data access makes your apps instantly responsive and consistently fast.
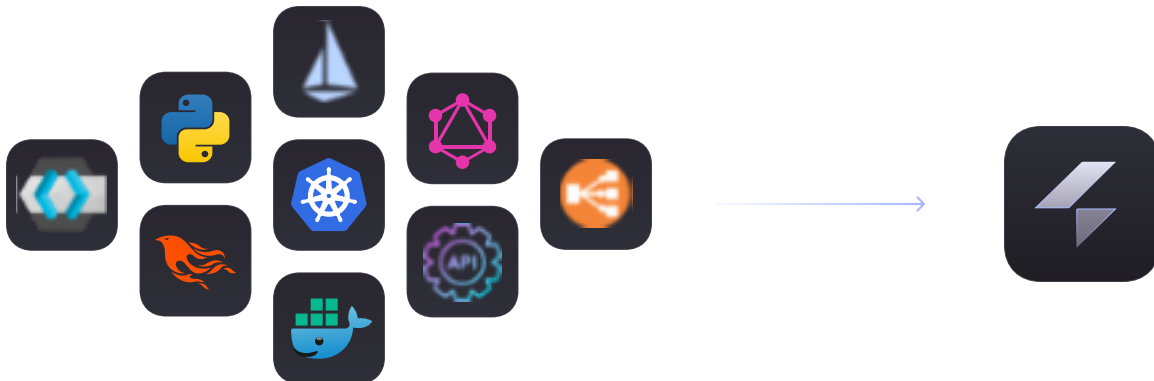
Operational simplicity

Simple to operate   Cheaper to run   Reliable by design

Reduce the diversity and workload of your backend services by standardising on a simple, scalable replication protocol.

Your existing stack

Standard open-source   Drop-in compatible   Existing applications

Permissive license. No operational lock-in. Works with any Postgres-based system.

Open source

Apache 2.0 license. Open development on GitHub and Discord. Contributions welcome.

Self-host

One horizontally scalable sync service. No complex infra or durability requirements.

Any Postgres

Works with your existing data model and any Postgres that supports logical replication.

Next steps

Get started

Jump into the Quickstart guide to get ElectricSQL up and running. Or checkout the Examples and the Usage and Integration guides.

Quickstart ››   Usage guide   Integrations

Join the community

Join our community Discord and star us on GitHub to support the project.

Join Discord ››   Star (4,587)

Become a design partner

Collaborate with the ElectricSQL team to build local-first applications.

Apply now ››   Get in touch