

PostgreSQL: The World's Database

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P o s t g r e S Q L

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What is PostgreSQL?

- (also known as Postgres)
- relational database management system
- almost complete SQL implementation
- many features
- open-source license (BSD-like)

Who am I?

- PostgreSQL developer since 1999
- CTO of 2ndQuadrant
- based in Germany

Why PostgreSQL?

Why PostgreSQL?

- (real) open source
- best SQL(?)
- multi-paradigm
- robust ecosystem
- extensible

→ It can be what you want.

Open source

- BSD/MIT-like license
- no restrictions on use
- no source code sharing required

Best SQL

- 170 out of 177 core SQL features
- many additional features
- high level of conformance
- participate in SQL standard work

Do relational databases still matter?

PostgreSQL is multi-paradigm

- relational
- object-relational
- XML
- JSON ("NoSQL"?)
- graph

Who makes PostgreSQL?

- yearly major releases
- 400 contributors in each release
- 29 committers
- 5 person core team
- many support companies
- worldwide team, worldwide ecosystem

Extensions

PostgreSQL is highly extensible: data types, functions, index types, storage engines, planner enhancements, ...

Examples: text search, PostGIS, pgRouting, isn, units, replication, HA, TimescaleDB, Citus, ...

Who is using PostgreSQL?

ABN AMRO, Adyen, Braintree, Dell,
Ericsson, ESA, Fujitsu, GitLab, IBM,
Mastercard, Met Office, Microsoft, NTT,
Siemens, Sony, Staples, Thales, VMWare,

...

How do I get started?

Easy: cloud service: AWS RDS, Heroku, ...

Also easy: Deb, RPM packages, sources from community

Or contact professional support

The Future

PostgreSQL 13 was released 24 September,
5 years support

PostgreSQL 14 planned for autumn 2021,
yearly releases

continued work on performance, SQL,
features, scalability

Summary:

The World's Database

- PostgreSQL is for (most of) your database needs.
- It's easy to try out.
- You will probably like it.
- If not, no problem. ;-)
- Help is available.