From respected by DBAs to loved by Application Developers

Craig Kerstiens
Microsoft

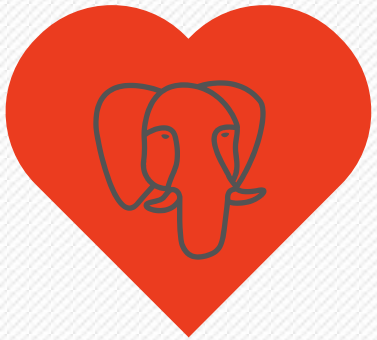
Who am I?

Product at Heroku Postgres, Citus Data, Microsoft

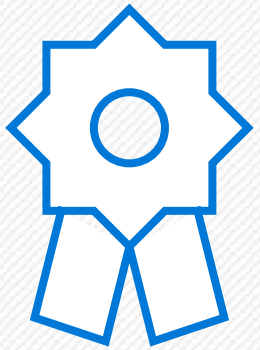
Curate PostgresWeekly

Postgres: It has good bones

Postgres



One of the most **loved** and **wanted** databases in Stack Overflow's 2019 Developer Survey



Ranked 2017 and 2018 **DBMS of the Year** by DB-Engine

Far from perfect

- Hard to install
- Expert to configure
- HA/Replication… just nope

And most importantly

How do you pronounce it?

DBAs

- It is good and principled
- I trust it

Developers

- It’s too hard
- Doesn’t have new features

Developers are the new kingmakers

https://thenewkingmakers.com/

Matt Asay
@mjasay

Following

"The CIO is the last to know"

steve o'grady @sograd y
DataStax CEO: who increasingly has the most influence over database selection?
Analyst sitting next to me: CIOs
CEO: developers

7:48 AM - 21 May 2019

PERCONA LIVE

We started learning

mongoDB.

MySQL®

JSON?

JSONB – B stands for better

Postgres.app

The easiest way to get started with PostgreSQL on the Mac

Introduction | Downloads | Documentation | GitHub ← 4811 Stars!

Moving beyond RDBMS

Liberal data types
Rich indexing
Permissive licensing

Batteries included

- Full text search
- Geospatial support
- Built-in insights

Kept the core stable but moving forward

Why Postgres?

JSONB

Listen/notify

Concurrent indexing

SP-GiST index

Safety

B-tree index

hstore

GIN index

Proven track record

Foreign data wrappers

BRIN index

KNN

Arrays

GiST index

MVCC

Fast column addition

PostGIS

CTEs

Transactional DDL

Time series

Extensions

Window functions

PERCONA LIVE

Preparing for the future

HyperLogLog
TopN
Foreign Data Wrappers
hstore
UUID
PostGIS
pg_cron
ZomboDB
Citus
HypoPG

Not always the best, but always good enough

Not the fastest, but it is fast

Not the easiest to support, but it is easy

Not the most secure, but it is secure

Not the shiniest, but it is shiny

Not the best every in all categories, but overall it is the most loved

Why App Devs Love Postgres.

JSONB

Listen/notify

Concurrent indexing

SP-GiST index

Safety

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Proven track record

B-tree index

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PERCONA LIVE