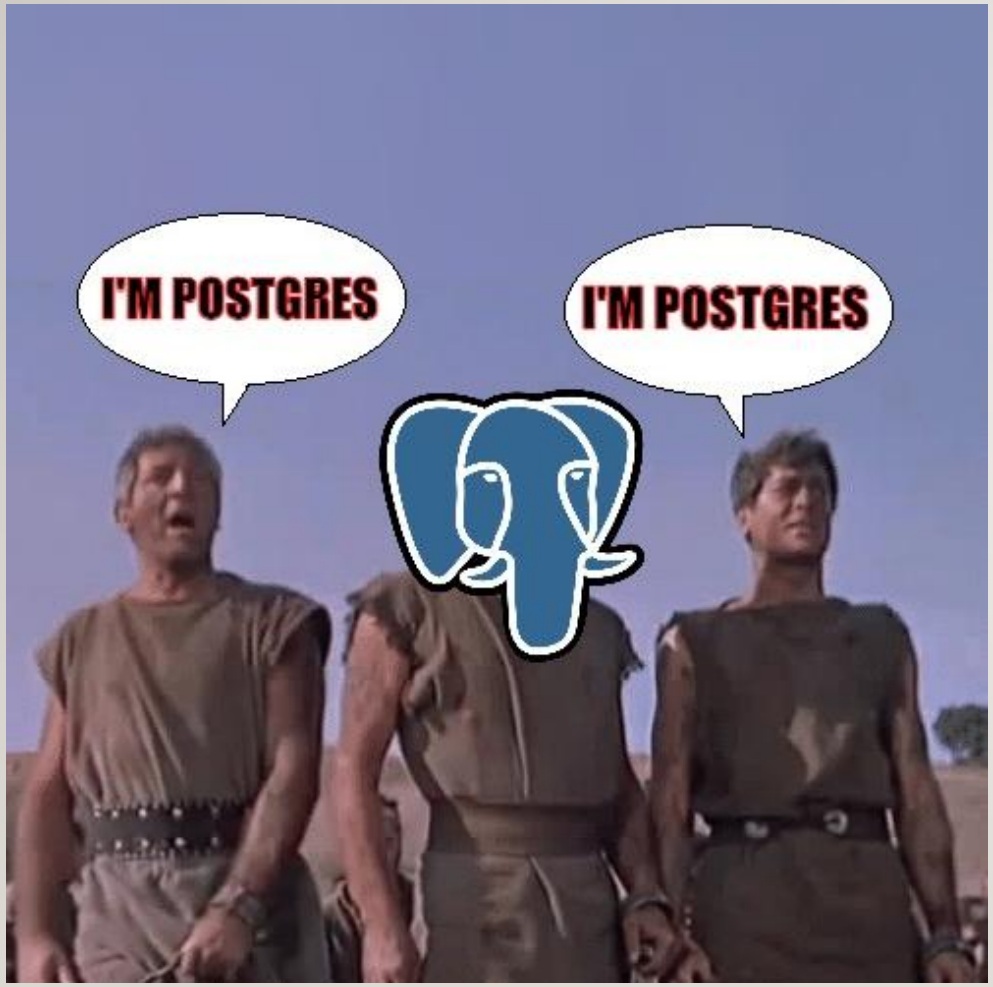
POSTGRES COMPATIBILITY INDEX

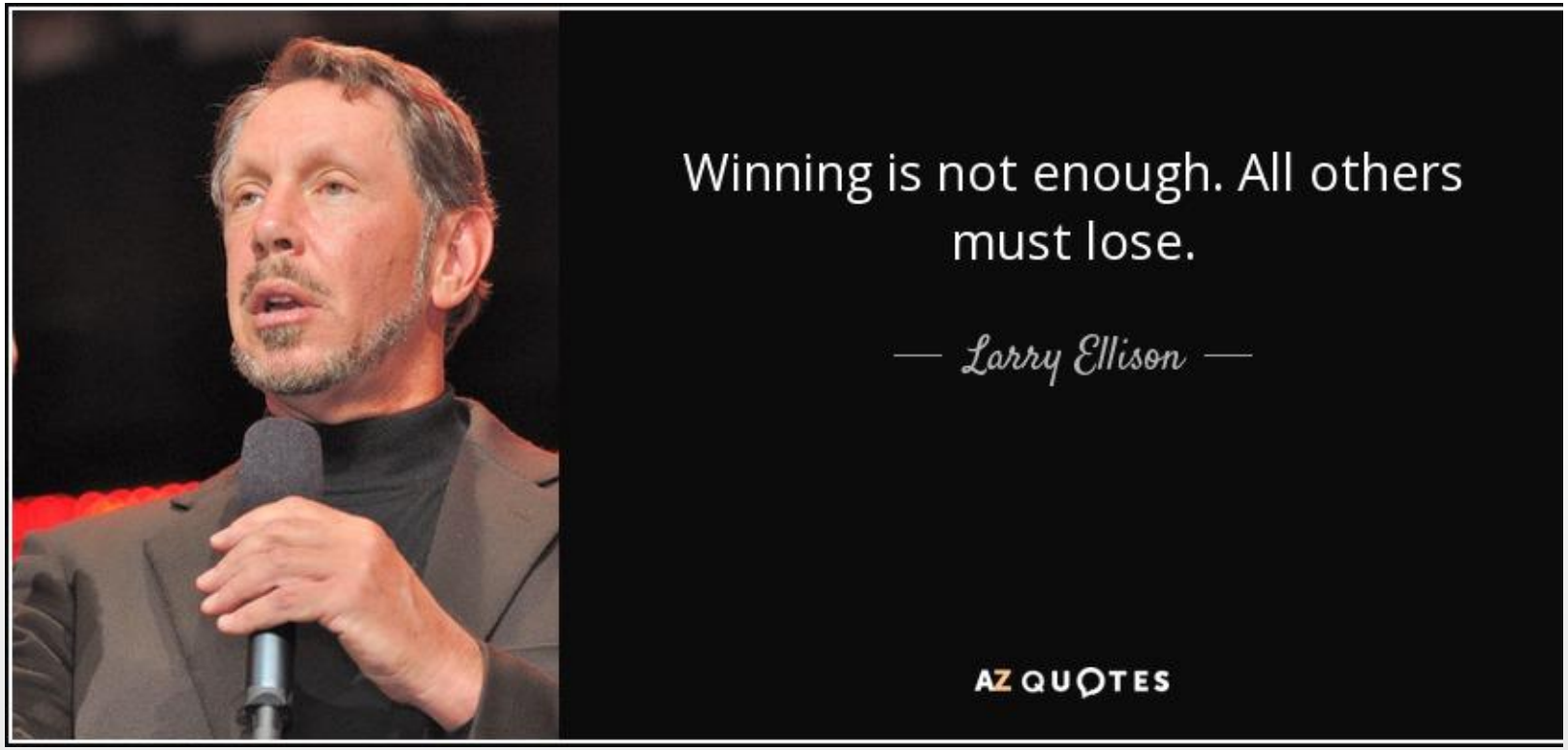
MAYUR/DBE@VEEAM

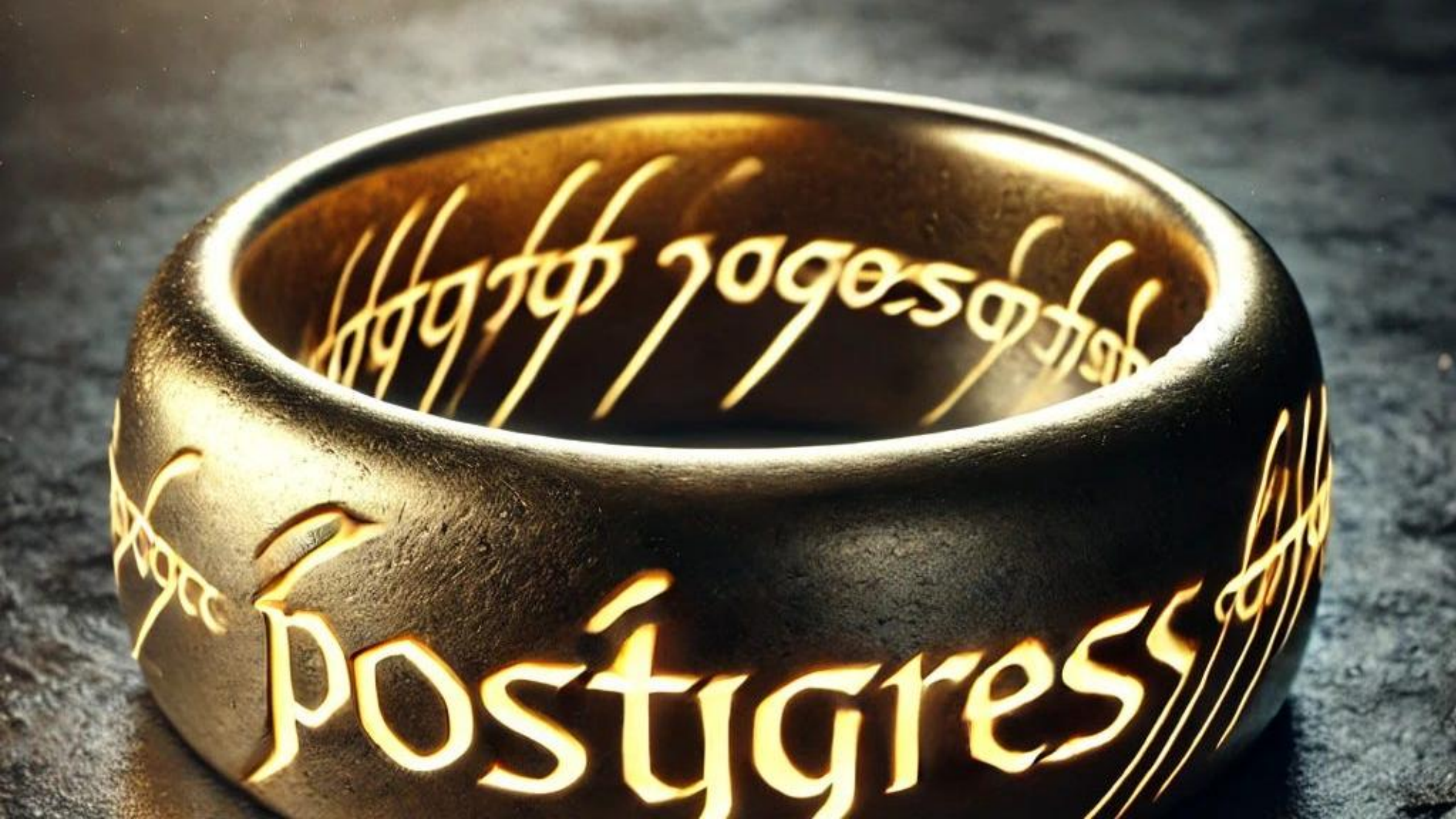
WHEN AMAZON UNVEILED DSQL, SOCIAL MEDIA BUZZED WITH VIRAL DISCUSSIONS ABOUT ITS TOUTED POSTGRESQL COMPATIBILITY.

ORIGIN STORY

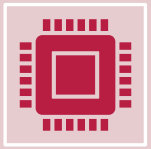


I'M SPARTACUS


Winning is not enough. All others must lose.
— Larry Ellison —
AZ QUOTES


postgres

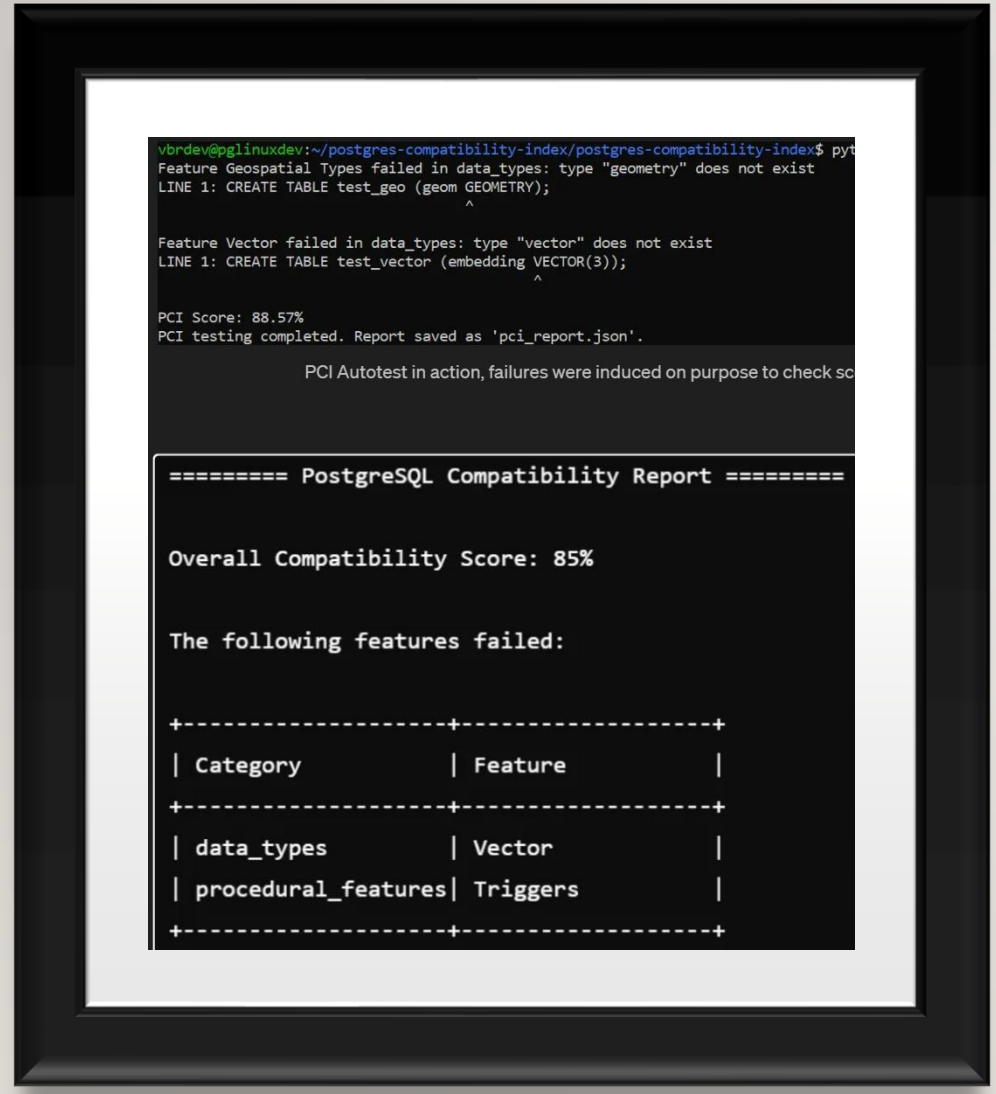
Postgres Compatibility Index (PCI)



PCI runs a battery of tests on the database in question, poking at every feature Postgres has to offer.

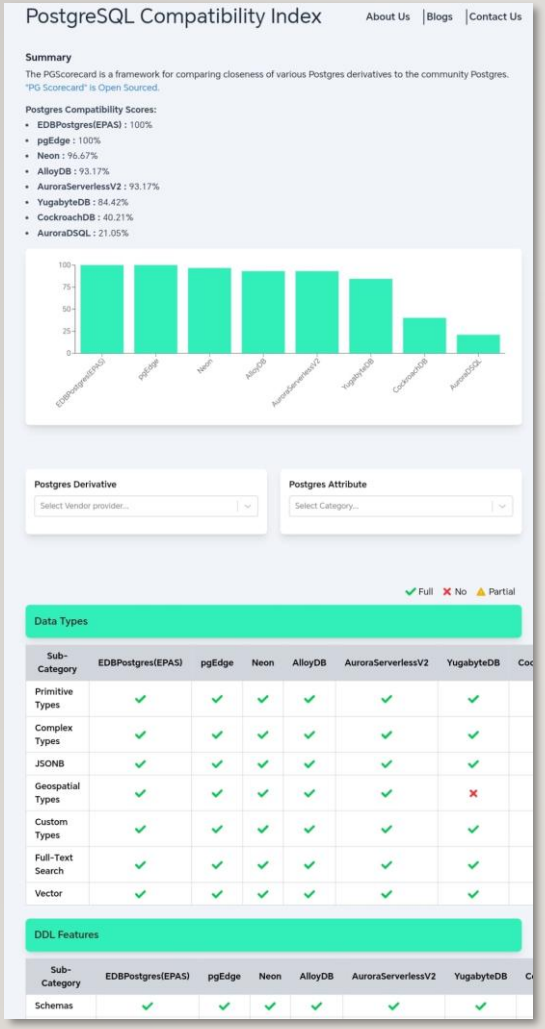
Each feature is scored, depending on whether it works, or implodes spectacularly.

The results are weighted, calculated, and distilled into a single PCI score, a percentage of compatibility perfection.



PGSCORECARD

PGSCORECARD.COM



PostgreSQL Compatibility Index

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Summary

The PGScorecard is a framework for comparing closeness of various Postgres derivatives to the community Postgres.
"PG Scorecard" is Open Sourced.

Postgres Compatibility Scores:

- **EDBPostgres(EPAS) :** 100%
- **pgEdge :** 100%
- **Neon :** 96.67%
- **AlloyDB :** 93.17%
- **AuroraServerlessV2 :** 93.17%
- **YugabyteDB :** 84.42%
- **CockroachDB :** 40.21%
- **AuroraDSQL :** 21.05%

Postgres Derivative

Select Vendor provider...

Postgres Attribute

Select Category...

✔ Full ✖ No ⚠ Partial

Data Types

Sub-Category	EDBPostgres(EPAS)	pgEdge	Neon	AlloyDB	AuroraServerlessV2	YugabyteDB	Coc
Primitive Types	✔	✔	✔	✔	✔	✔	
Complex Types	✔	✔	✔	✔	✔	✔	
JSONB	✔	✔	✔	✔	✔	✔	
Geospatial Types	✔	✔	✔	✔	✔	✖	
Custom Types	✔	✔	✔	✔	✔	✔	
Full-Text Search	✔	✔	✔	✔	✔	✔	
Vector	✔	✔	✔	✔	✔	✔	

DDL Features

Sub-Category	EDBPostgres(EPAS)	pgEdge	Neon	AlloyDB	AuroraServerlessV2	YugabyteDB	C
Schemas	✔	✔	✔	✔	✔	✔	

NOT A DEVELOPER

PR for new DB Addition

Open-Source code contribution

Database Comedy Blog

Mayuresh B.

Database Specialist @ Veeam Software | Databases, RDBMS, ...

THANK YOU