

pg_tde status update



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Essen - Apr 22, 2026

A few words about **pg_tde**

Transparent Data Encryption for PostgreSQL

- Open source (PostgreSQL license)
 - **Transparent** - no changes to the application needed
 - **Data Encryption** - encrypting data at rest (not in use!)

A few words about `pg_tde`

Why do we need it?

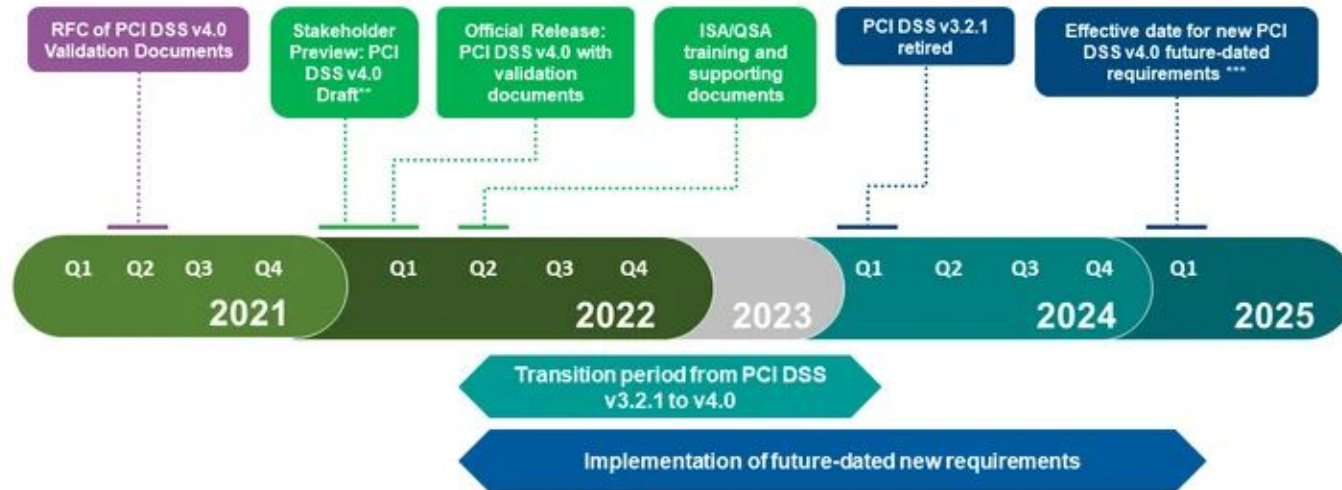


A few words about pg_tde

PCI DSS compliance is a **mandatory requirement** for some

A few words about pg_tde

PCI DSS v4.0 Transition Timeline*



* All dates based on current projections and subject to change

** Preview available to Participating Organizations, QSAs, and ASVs

*** Effective date for future-dated requirements to be determined upon confirmation of all new requirements

A few words about `pg_tde`

pg_tde Public Watch 9

main 29 Branches 6 Tags Go to file Add file Code

Andriciu DOCS-321 Implemented new brand assets (#568) f98f835 · 5 days ago 1,388 Commits

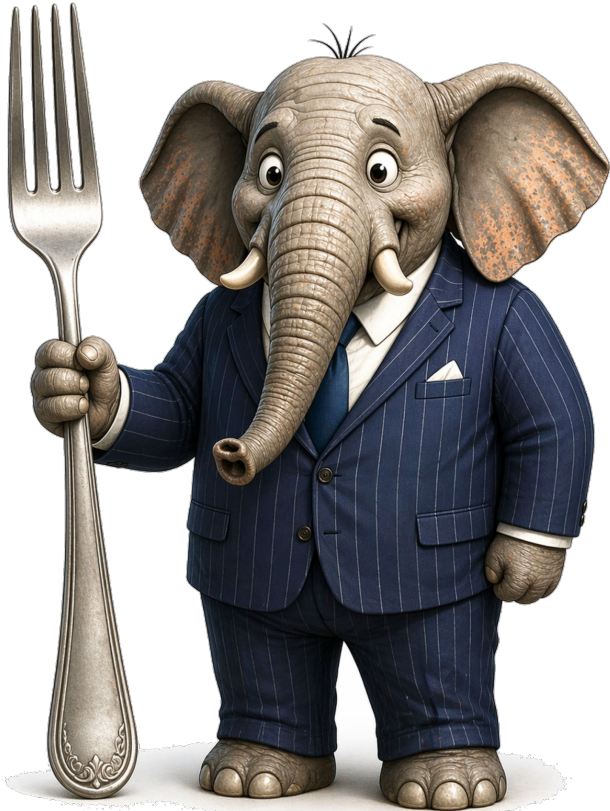
.github	Do not write TAP output files to source dir	2 weeks ago
ci_scripts	Run pg_regress tests as a TAP test	2 weeks ago
documentation	DOCS-321 Implemented new brand assets (#568)	5 days ago
expected	PG-2255 Disallow ALTER DATABASE ... SET TABLESPACE ...	last month
fetools	PG-2029 Use Meson instead of make in our CI	2 weeks ago
sql	Remove slow test which tests code which no longer exists	3 weeks ago
src	PG-2278 Re-use cipher contexts for SMGR encryption	2 weeks ago
t	Do not write TAP output files to source dir	2 weeks ago
tools	PG-1879 Add tool for copying frontend code from the Post...	7 months ago
.editorconfig	PG-1879 Add some files from TDE_REL_17_STABLE	7 months ago
.gitattributes	PG-1879 Clean up .gitattributes	7 months ago
.gitignore	Do not write TAP output files to source dir	2 weeks ago
.gitmodules	Ignore dirty status of the kmip submodules	6 months ago
CONTRIBUTING.md	Run pg_regress tests as a TAP test	2 weeks ago



https://github.com/percona/pg_tde



Current state



- **Open source fork** carrying necessary extension points needed
 - **pg_tde** is an extension
- **Temporary files** not yet encrypted
 - Temporary tables encrypted!
- **Production** ready
 - Already allowing compliance in the financial sector!

The plan



- **pg_tde** working with Community PostgreSQL
- Encryption of **temporary files**
- Integration with tools required by the users
 - Key Management Systems
 - and their features
 - Backup tools
 - More?

Join the PGConf.dev session!



STOP DEBATING, START IMPLEMENTING: UNIFYING TDE EFFORTS FOR POSTGRES

[Tuesday, May 19, 2026](#) at 11:30 a.m. – 12:20 p.m.



Kai Wagner
Percona

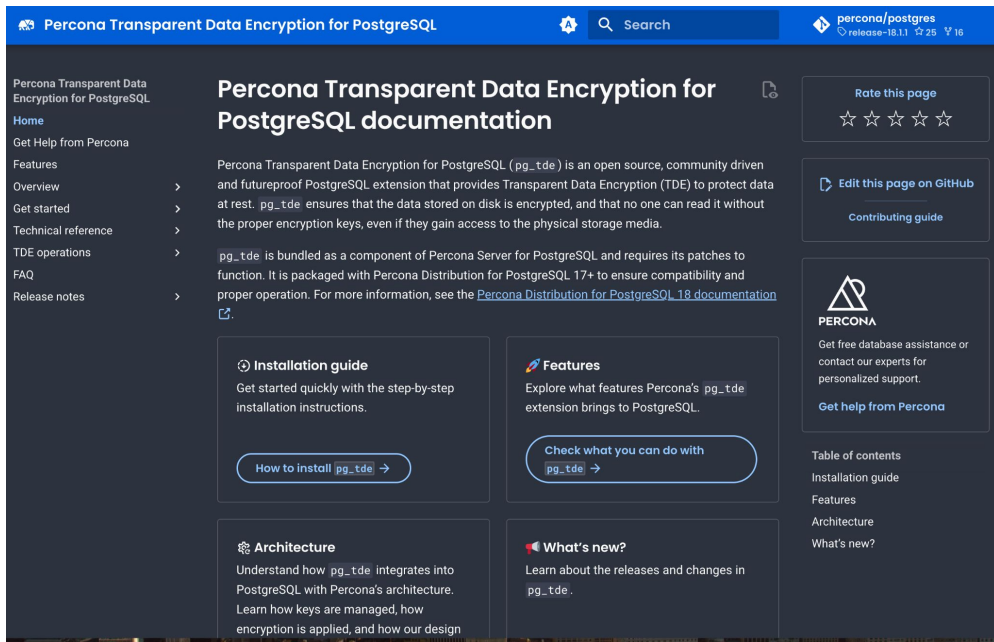
Scotiabank Community Discussion - Working Group



<https://2026.pgconf.dev/session/559>



Learn more about pg_tde



The screenshot shows the documentation page for Percona Transparent Data Encryption for PostgreSQL. The page title is "Percona Transparent Data Encryption for PostgreSQL documentation". The main content area describes the product as an open source, community-driven extension for PostgreSQL that provides Transparent Data Encryption (TDE) to protect data at rest. It mentions that pg_tde ensures data on disk is encrypted and is bundled as a component of Percona Server for PostgreSQL. The page includes several sections: "Installation guide" with a "How to install pg_tde" button, "Features" with a "Check what you can do with pg_tde" button, "Architecture", and "What's new?". On the right side, there are interactive elements like "Rate this page" (5 stars), "Edit this page on GitHub", and "Contributing guide". The Percona logo and contact information are also visible.



<https://docs.percona.com/pg-tde/>



**Contributions
welcome**



THANK YOU



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