

PostgreSQL ecosystem products

<https://github.com/dhamaniasad/awesome-postgres>



PostgreSQL mailing lists

- [pgsql-hackers](#) – primary channel for development communication
- [pgsql-advocacy](#)
- [pgsql-general](#)
- [pgsql-announce](#)
- [pgsql-bugs](#)
- [pgsql-docs](#)
- [pgsql-novice](#)
- [pgsql-women](#)
- and many more: <https://www.postgresql.org/list/>

Communication

- Mention your company in the signature
- Reply All
- Avoid top-posting

Avoid top-posting

A: Because it reverses the logical flow of conversation.

Q: Why is top posting frowned upon?

A: Topposting.

Q: What is the most annoying thing on usenet and in email?

PostgreSQL release cycle

- 1 major release per year
- 1 minor release per quarter
- + extra releases to fix security issues

<https://www.postgresql.org/docs/release/>

PostgreSQL major release schedule

<https://www.postgresql.org/developer/roadmap/>

- [Commitfests](#) (July - March)
- Feature Freeze (mid-April)
- Alpha release
- Testing and fixing
- Beta release (mid-June)
- Testing and fixing
- Major release of PostgreSQL (October)

PostgreSQL community

- Core team
- Committers
- Contributors
- Vendor companies
- User Groups
- Educators

<https://www.postgresql.org/docs/release/>

PostgreSQL commitfest

<https://commitfest.postgresql.org/>

<http://commitfest.cputube.org/>

Commitfest 2021-01

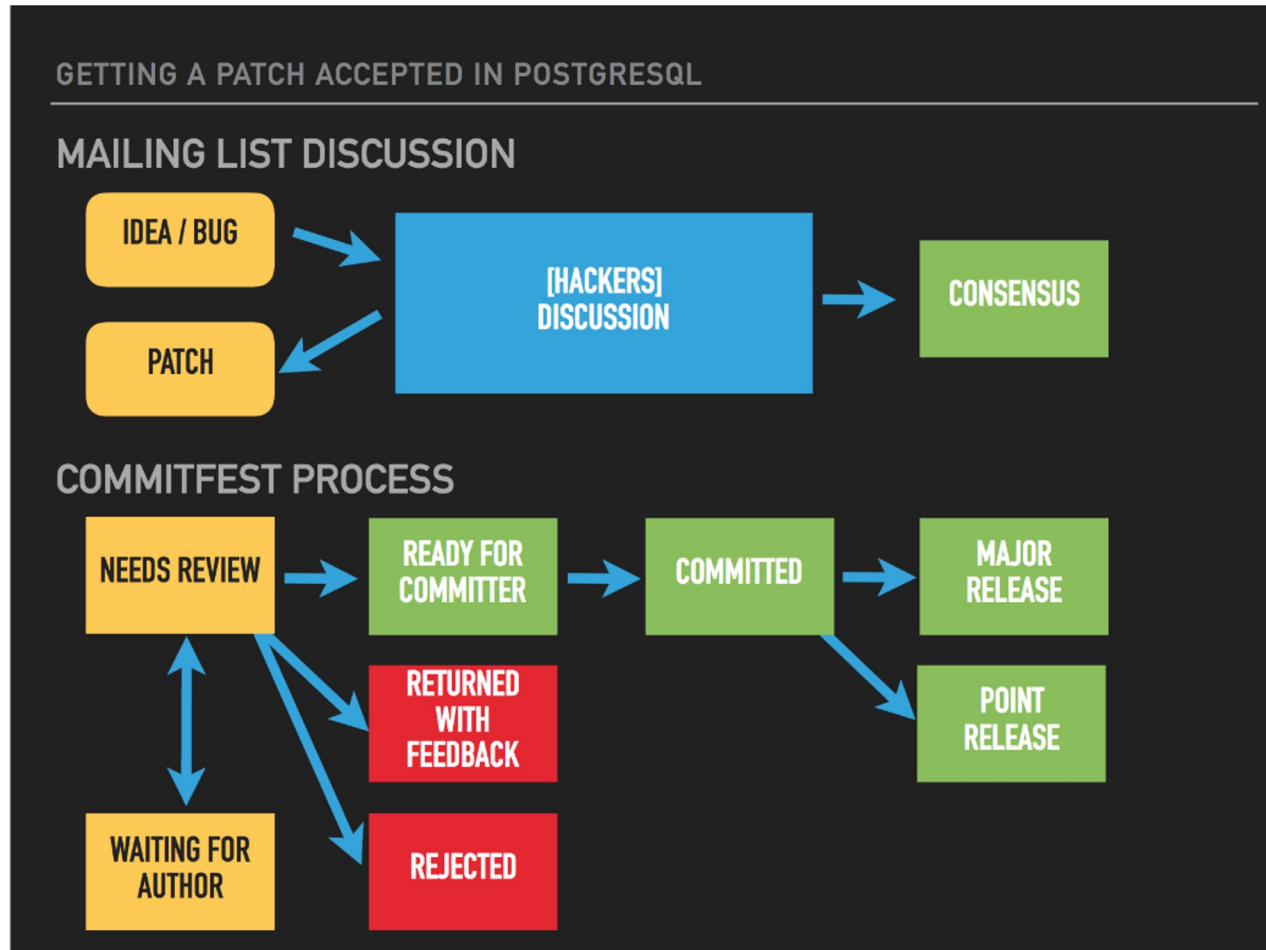
Search/filter Shortcuts ▾

Status summary: Needs review: 188. Waiting on Author: 28. Ready for Committer: 22. Committed: 19. Withdrawn: 3. Total: 260.

Active patches

| Patch | Status | Ver | Author | Reviewers | Committer | Num cfs | Latest activity ↓ | Latest mail |
|------------------------------------------------------------------------------------------|-------------------|-----|-------------------------------------|------------------------------|-----------|---------|-------------------|------------------|
| faster execution of CALL statement from plpgsql | Needs review | | Pavel Stehule (okbobcz) | | | 1 | 2020-11-02 12:33 | 2021-01-01 08:15 |
| Functions for sorting GiST build of gist_btree types | Needs review | | Andrey Borodin (x4m) | Heikki Linnakangas (heikki) | | 1 | 2020-11-05 16:15 | 2020-12-10 10:16 |
| Pageinspect functions for GIST | Needs review | | Heikki Linnakangas (heikki) | Andrey Borodin (x4m) | | 1 | 2020-11-05 16:15 | 2020-12-10 10:16 |
| pgbench stopped supporting large number of client connections on Windows | Waiting on Author | | Marina Polyakova (whipping.top1991) | | | 1 | 2020-11-08 16:35 | 2020-11-08 14:59 |
| Extended statistics / estimate Var op Var clauses | Needs review | | Tomas Vondra (fuzzycz) | | | 1 | 2020-11-16 14:34 | 2020-11-13 01:14 |
| Extended statistics on expressions | Needs review | | Tomas Vondra (fuzzycz) | Justin Pryzby (justinpryzby) | | 1 | 2020-11-16 14:34 | 2020-11-11 20:17 |
| Add nullif case for eval_const_expressions | Needs review | | hou zhijie (houzj) | | | 1 | 2020-11-17 01:24 | 2020-11-10 11:31 |

PostgreSQL development process



Where to start?

Find something aligned with your personal interests:

- a cool new algorithm;
- a problem that you want to fix;
- a person you want to work with.

Join existing discussions as a reviewer.

Join stuck discussions as a developer.



Idea

- Documentation improvements
- Your personal feature request
- pgsql-bugs
- Code coverage: <https://coverage.postgresql.org/>
- SQL standard
- Academic paper
- ~ TODO list

Research

- Is there an alternative way to do that?
- What about previous attempts?
- What about conflicting proposals?
- Search for previous discussions in -hackers
- SQL standard & industry standard
- Documentation & README
- Source code

Proposal

- Idea, use case
- Measurable results
- What changes will be needed
 - i.e. new syntax
- Add some links
 - recap of previous attempts
 - papers, analogs, ...
- Ask questions