Сообщество Postgres

Андрей Бородин, Postgres Contributor



Разрабатывал Postgres, GreenplumDB, Redshift Мэйнтейнер:

- > Odyssey
- > WAL-G



Зачем всё это?

On Tue, 14 Mar 2023 01:42:24 +0300 Serge Semin wrote:
> From: Serge Semin <Sergey.Semin@baikalelectronics.ru>

We don't feel comfortable accepting patches from or relating to hardware produced by your organization.

Please withhold networking contributions until further notice.

- ▲ sph 11 months ago | root | parent | next [-]
 - > Should Linux also accept North-Korean patches for their ICBMs in mainline?

While NK is probably not looking to merge their `char/icbm` driver to the mainline tree, what about the NK military fixing a nasty bug in the memory allocator? Should the patch be rejected even if it improves a non-military subsystem, just because of who wrote it?

It's just food-for-thought, personally I do not care one way or the other. As you say, it's all a grey area, and there is not a clear answer, which is where politics and posturing, rather than pragmatism, thrives.

▲ arp242 11 months ago | root | parent | next [-]

Ignoring trust issues (NK inserting a backdoor), I'd say clean bugfixes should probably be accepted.

My main point was to nuance the absolutist "code and science should be separate". I don't know enough about this code to make a judgement one way or the other: as I understand the commit message it's a cleanup as a prelude to GMAC and X-GMAC SoC support. Maybe the code is badly in need of some cleanup, or maybe it's essentially just fine and there is no reason to merge any of this beyond supporting those SoCs.

- ▲ anonymouskimmer 11 months ago | root | parent | next [-]
 - > Ignoring trust issues (NK inserting a backdoor)

For another option, is it possible that patching a legitimate bug could open up a line of attack in an otherwise unrelated piece of code that the bug was somehow blocking? If it is, even legitimate, verified bug fixes, or even bug reports, from non-trusted sources, should be carefully vetted.

Date: Fri, 29 Mar 2024 08:51:26 -0700

From: Andres Freund <andres@...razel.de>

To: oss-security@...ts.openwall.com

Subject: backdoor in upstream xz/liblzma leading to ssh server compromise

Ηi,

After observing a few odd symptoms around liblzma (part of the xz package) on Debian sid installations over the last weeks (logins with ssh taking a lot of CPU, valgrind errors) I figured out the answer:

The upstream xz repository and the xz tarballs have been backdoored.

At first I thought this was a compromise of debian's package, but it turns out to be upstream.





Ashwin Agrawal

9 нояб. 2023 г., 05:49:56





– Andrey M. Borodin, gpdb...@greenplum.org, Kirill Reshke, Vsevolod Grabelnikov, Aleksei Luzan, Владимир Бородин, Дмитрий Смаль

On Wed, Oct 25, 2023 at 10:53 AM Andrey M. Borodin <x4...@yandex-team.ru> wrote: Hi folks,

As you may know, in September, we launched Yezzey [0] - an extension that allows for transparent switching between table storage on a local filesystem and cloud storage, and back in native format. A discussion on the topic is available here [1].

Great to see the ambitious forward looking plan based on Greenplum. Team is super happy and will love to continue discussions on finer details on each of these topics as you unfold and work on them. So, keep them coming and yes, more than happy to absorb relevant pieces in Greenplum core which helps to continue to keep it aligned with PostgreSQL architecture and open to all current use cases it caters too.

[1] https://hawq.apache.org/docs/userguide/2.3.0.0-incubating/overview/HAWQArchitecture.html

--





vmwclabot commented on Sep 25, 2023

@reshke, VMware has rejected your signed contributor license agreement. The merge can not proceed until the agreement has been resigned. Click here to resign the agreement. Reject reason:

VMware is not able to accept your contribution at this time.









vmwclabot added the cla-rejected label on Sep 25, 2023



Abuse of Open Source?

Monday, April 4, 2022

With the Russian invasion of Ukraine, there is renewed focus on the use of Postgres by governments, particularly uses that might further military goals.

The unintended use of technology is nothing new. <u>Alfred Nobel's</u> invention of dynamite prompted the creation of the <u>Nobel Peace Prize</u> to promote peace. Manhattan Project engineers unsuccessfully tried to control the use of the atomic bomb they created.

In the software industry, companies have tried to control the use of proprietary software, with mixed success. Cloud and web services are better able to control access because authentication and continuous connectivity are often required. Social media companies also exert control over who can use and what can be said on their platforms.

The licenses used by open source software don't support these traditional use-regulation methods because there is no required interaction between software producers and users. This was done consciously to promote adoption and independent usage (particularly the Postgres license). Attempts to limit the use of open source software by the U.S. Immigration and Customs Enforcement (ICE) agency have largely been unsuccessful. Attempts to limit Russia's use of Postgres, even for projects directly contributing to the war effort, are also likely to be ineffective.

Changing the Postgres license now would not change the license of previous versions, and even if we could go back in time and change the license, the net effect would likely be negative for the project and <u>ineffective</u> at controlling usage. In summary, once you create something, it is hard to control it, and very hard without legal/governmental support.

Update: depesz has blocked access to his website and services from Russia and Belarus. 2022-04-13

View or Post Comments

Листы рассылки

pgsql-admin

• Pär & Holger 00:59

Use AD-account as login into Postgres.



Hi! Is it only to config in hba.conf the connection info, to use AD-accounts to login in postgres. This is a windows/postres intallation ♥ ⊌ Mvh Pär +46706...

 Ed, David, Laurenz, Ron, Holger, Matthew & Scott upgrade questions

00:49 **10 (**)

I'm going to be doing an upgrade from version 11 to version 15 sometime in the near future. I'm a bit nervous about it and I'm hoping I can get some questions...

Magnus, Ron & Stephen

Yesterday

pg_basebackup --wal-method=fetch



(PG 14, if it matters.) What's the purpose of fetch mode, as opposed to streaming mode? Is it a legacy of bygone days that just hasn't been deprecate...

 Tom, Laurenz, Ron & Gambhir DDL - TYPES

Yesterday 5 (>)

Hi, I was trying to generate DDL of functions and procedures and generated it successfully using the below query. \psql --no-align -t --host=xxxxxx --port=...

Holger, Thomas & Gambhir

08.02.2024

Need help to implement Primary Key.



Hi, I have a table with a record count of ~500 million (496,098,390). There is no primary key in this table. Now I need to set up a primary key on this table. I can...

pgsql-announce



PostgreSQL Global Development Group

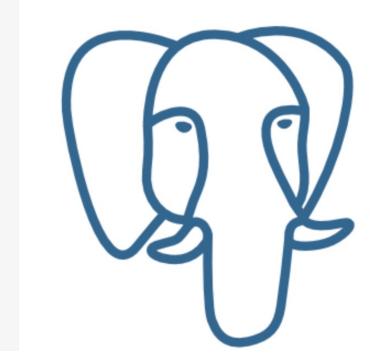
inbox - Yandex-Tea

☐ Inbox - Yandex-Team 8 February 2024, 19:10

PostgreSQL 16.2, 15.6, 14.11, 13.14, and 12.18 Released!

To: PostgreSQL Announce,

Reply-To: announce@postgresql.org



PostgreSQL 16.2, 15.6, 14.11, 13.14, and 12.18 Released!

The PostgreSQL Global Development Group has released an update to all supported versions of PostgreSQL, including 16.2, 15.6, 14.11, 13.14, and 12.18. This release fixes one

pgsql-bugs

pgsql-bugs - Yandex-Team

15 260 messages, 13 591 unread



Etsuro, Tom, Andres, Thomas, Alexander & PG Bug repo... Yesterday BUG #17828: postgres_fdw leaks file descriptors on error and aborts... @ 15 ① The following bug has been logged on the website: Bug reference: 17828 Logged by: Alexander Lakhin Email address: exclusion@gmail.com PostgreSQL...

Masahiko, vignesh & Drew
 Potential data loss due to race condition during logical replication slot... 7
 Hello, We discovered a race condition during logical replication slot creation that can result in the changes for transactions running at the time of the slot creati...

Andrei Lepikhov, Alexander Korotkov, David G. Johnst... 08.02.2024
 v17 Possible Union All Bug
 I3
 Hey, The attached pg_dumpall file creates some test roles and some views, two of which show the expected and problem behaviors. There is a lot going on be...

pgsql-committers



Heikki Linnakangas

pgsql-committers 29 January 2024, 16:52

pgsgl: Fix locking when fixing an incomplete split of a GIN internal pa

To: pgsql-committers@lists.postgresql.org

Fix locking when fixing an incomplete split of a GIN internal page

ginFinishSplit() expects the caller to hold an exclusive lock on the buffer, but when finishing an earlier "leftover" incomplete split of an internal page, the caller held a shared lock. That caused an assertion failure in MarkBufferDirty(). Without assertions, it could lead to corruption if two backends tried to complete the split at the same time.

On master, add a test case using the new injection point facility.

Report and analysis by Fei Changhong. Backpatch the fix to all supported versions.

Reviewed-by: Fei Changhong, Michael Paquier Discussion: https://www.postgresgl.org/message-

id/tencent_A3CE810F59132D8E230475A5F0F7A08C8307@gg.com

Branch

REL 13 STABLE

Details

https://git.postgresgl.org/pg/commitdiff/e74c916657b56e062e244be97ea17c57c178ade0

Modified Files

1 file changed, 50 insertions(+), 18 deletions(-)

pgsql-committers



Andrey Borodin

12 February 2021, 10:22

Re: pgsql: Add functions to 'pageinspect' to inspect GiST indexes.



To: Peter Geoghegan, Cc: Heikki Linnakangas, pgsql-committers

Details

12 февр. 2021 г., в 01:53, Peter Geoghegan <pg@bowt.ie> написал(а):

On Wed, Jan 13, 2021 at 12:36 AM Heikki Linnakangas <heikki.linnakangas@iki.fi> wrote:

Add functions to 'pageinspect' to inspect GiST indexes.

Is gist_page_items() robust with deleted pages? I think that it's unsafe to assume that deleted pages will have index tuples, since the page contents will actually be a GISTDeletedPageContents.

Simplest fix would be to assume maxoff is 0 for the page, perhaps. Right now we just use PageGetMaxOffsetNumber(), which implicitly assumes that the page uses slotted tuples with an array of line pointers (actually it can also deal with a zeroed page, but that's not relevant here).

Thanks, Peter! I agree that taking PageGetMaxOffsetNumber() seems incorrect for deleted page, because we set pd_lower for the deleted page. Also, there was an idea to add a column for LP_DEAD. As long as we are dealing with deleted data anyway, maybe let's add this column? PFW both patches.

Thanks!

Best regards, Andrey Borodin.





0001-Prevent- 0002-Add-bool-pagein...l.patch column...t.patch

pgsql-hackers

pgsql-hackers - Yandex-Team

167 396 messages, 150 653 unread



- Peter Eisentraut
 backend *.c #include cleanup (IWYU)
 I played with include-what-you-use (IWYU), "a tool for use with clang to analyze #includes in C and C++ source files".[0] I came across this via clangd (the lang...
- jian he, Andrei Lepikhov, Alena Rybakina, vignesh C, Robert... 10:01 POC, WIP: OR-clause support for indexes
 I support such a cunning approach. But this specific case, you demonstrated above, could be optimized independently at an earlier stage. If to convert: (F(A...

Роли

Core Team

For more information on the purpose of the core team, please click here.

Contribution				
Contributor	Contribution			
Peter Eisentraut (peter.eisentraut at enterprisedb.com) EDB Dresden, Germany	Works on the build system, porting, documentation, and the internationalization effort, and codes many other improvements.			
Andres Freund (andres at anarazel.de) Microsoft San Francisco, USA	Pluggable table access methods, JIT, logical decoding, replication, performance, scalability, bug fixing and patch review.			
Magnus Hagander (magnus at hagander.net) Redpill Linpro Stockholm, Sweden	Has done major work on the Win32 port, authentication system and more, and helps maintain the PostgreSQL websites and project infrastructure.			
Jonathan Katz (jonathan.katz at excoventures.com) Amazon Web Services New York, NY	General project advocacy, including press releases & @postgresql, contributions to and moderation of PostgreSQL websites. Various committee participation and board membership. Miscellaneous patches & review.			
Tom Lane (tgl at sss.pgh.pa.us) Crunchy Data Pittsburgh, Pennsylvania, USA	Involved in all aspects of PostgreSQL, including bug evaluation and fixes, performance improvements, and major new features, such as schemas. He is also responsible for the optimizer.			
Bruce Momjian (bruce at momjian.us) <mark>EDB</mark> Philadelphia, Pennsylvania, USA	Maintains the TODO list, codes, applies patches, and speaks at conferences.			
Dave Page (dpage at pgadmin.org) EDB Oxfordshire, United Kingdom	Created and maintains pgAdmin, helps manage the postgresql.org websites and project infrastructure, and maintains the PostgreSQL installers.			

Contributors

- Major contributors
- Contributors

Contributors committee

Contributor Profiles 2

These are the fine people that make PostgreSQL what it is today!

To suggest additions to the list, please email contributors@postgresql.org. Existing contributors can update their information in their user profile.

Sponsor		
KONTUR	Kontur	United States
zalando	Zalando	Germany
Yandex	Yandex	Russia
Oriole	Oriole	United States
♣ DJUST	Adjust	Germany
rackspace.	Rackspace	United States
\$ \$ \$\$\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	HighGo	Canada
👸 aiven	Aiven	Finland

Committers

This is the current list of people with access to push to the git repository with their user names. For technical details on how committing works, see Committing with Git. Note: This is just a list of people who currently have access t and previous contributors, see the contributor profiles section of the web site. Note: The names are listed here in order of first commit or when added as a committer, oldest first; this isn't intended to imply anything about depth c

- Bruce Momjian (momjian)
- Tom Lane (tgl)
- Michael Meskes (meskes)
- Tatsuo Ishii (ishii)
- Peter Eisentraut (petere)
- Joe Conway (joe)
- Alvaro Herrera (alvherre)
- Andrew Dunstan (adunstan)
- Magnus Hagander (mha)
- Heikki Linnakangas (heikki)
- Robert Haas (rhaas)
- Jeff Davis (jdavis)
- Stephen Frost (sfrost)
- Fujii Masao (fujii)
- Noah Misch (noah)
- Andres Freund (andres)
- Dean Rasheed (deanr)
- Andrew Gierth (rhodiumtoad)
- Alexander Korotkov (smagen)
- Amit Kapila (amitkapila)
- Tomas Vondra (fuzzycz)
- Michael Paquier (michael-kun)
- Thomas Munro (macdice)
- Peter Geoghegan (pgeoghegan)
- Etsuro Fujita (efujita)
- David Rowley (drowley)
- Daniel Gustafsson (d_gustafsson)
- John Naylor (john.naylor)
- Nathan Bossart (nathan)
- Amit Langote (amitlan)
- Masahiko Sawada (msawada)

Alvaro Herrera

pgsql: Use atomic access for SlruShared->latest_page_number

To: pgsql-committers

Use atomic access for SlruShared->latest_page_number

The new concurrency model proposed for slru.c to improve performance does not include any single lock that would coordinate processes doing concurrent reads/writes on SlruShared->latest_page_number. We can instead use atomic reads and writes for that variable.

Author: Dilip Kumar < dilipbalaut@gmail.com>

Reviewed-by: Andrey M. Borodin < x4mmm@yandex-team.ru>

Discussion: https://postgr.es/m/CAFiTN-vzDvNz=ExGXz6gdyjtzGixKSgs0mKHMmaQ8sOSEFZ33A@mail.gmail.com

Branch

master

Details

https://git.postgresql.org/pg/commitdiff/d172b717c6f436738cc8383a4e9f611ae227fd93

Modified Files

```
src/backend/access/transam/clog.c | 6 +----
src/backend/access/transam/commit ts.c | 7 +++---
src/include/access/slru.h
                 15++++-
5 files changed, 53 insertions(+), 32 deletions(-)
```



Alexander Korotkov

pgsql: Use larger segment file names for pg_notify

To: pgsql-committers

Use larger segment file names for pg_notify

This avoids the wraparound in async.c and removes the corresponding code complexity. The maximum amount of allocated SLRU pages for NOTIFY / LISTEN queue is now determined by the max_notify_queue_pages GUC. The default value is 1048576. It allows to consume up to 8 GB of disk space which is exactly the limit we had previously.

Author: Maxim Orlov, Aleksander Alekseev, Alexander Korotkov, Teodor Sigaev

Author: Nikita Glukhov, Pavel Borisov, Yura Sokolov

Reviewed-by: Jacob Champion, Heikki Linnakangas, Alexander Korotkov

Reviewed-by: Japin Li, Pavel Borisov, Tom Lane, Peter Eisentraut, Andres Freund

Reviewed-by: Andrey Borodin, Dilip Kumar, Aleksander Alekseev

Discussion: https://postgr.es/m/CACG%3DezZe1NQSCnfHOr78AtAZxJZeCvxrts0ygrxYwe%3DpyyjVWA%40mail.gmail.com Discussion: https://postgr.es/m/CAJ7c6TPDOYBYrnCAeyndkBktO0WG2xSdYduTF0nxq%2BvfkmTF5Q%40mail.gmail.com

Branch

master

Details

https://qit.postgresql.org/pg/commitdiff/2cdf131c46e631addfc386f6106e52a1b8cc3a70

Commitfest



UUID v7



CF Manager role

Found in pgsql-hackers Mailbox



Tom Lane

Re: Commitfest 2024-01 is now closed

To: vignesh C, Cc: Pg Hackers

2 February 2024, 10:28

Details

vignesh C <<u>vignesh21@gmail.com</u>> writes:

Thanks a lot to all the members who participated in the commitfest.

Thanks for all the work you did running it! CFM is typically a thankless exercise in being a nag, but I thought you put in more than the usual amount of effort to keep things moving.

regards, tom lane



PostgreSQL BuildFarm Status

Shown here is the latest status of each farm member for each branch it has reported on in the last 30 days.

Use the farm member link for history of that member on the relevant branch.



Alias	System	Status	Flags
boomslang	Debian 11 Bullseye gcc 10 riscv64	03:05 ago OK [e70abd6] Config	<u>@¥™∰</u> ≜\$\$\$_[tc] E X
mantid	CentOS 7.9.2009 gcc 4.8.5 x86_64 (virtualized)	00:39 ago OK [e70abd6] Config	②×∞€ € 50 × × × × × × × × × × × × × × × × × ×
turbot	Ubuntu 22.04.3 LTS gcc 11.4.0 aarch64	01:08 ago OK [e70abd6] Config	<u>@*™\$</u> (*:1] E X
fairywren	Windows / Msys 12.2.0 gcc 11.2.0 x86_64	02:43 ago OK [e70abd6] Config	@ ♠⊕************************************
chimaera	Debian GNU/Linux 9 (stretch) gcc 6.3.0 ppc64le (POWER9)	00:38 ago OK [e70abd6] Config	<u>@¥™∰ ≙∯</u> ®¥©
lorikeet	Cygwin64/Windows 3.4.9/10 gcc 11.4.0 x86_64	01:51 ago OK [e70abd6] Config	<u>@¥≙ዀ₽X</u>
sevengill	macOS 14.3 clang 15.0.0 arm64	01:21 ago OK [e70abd6] Config	⊘ ♠♠∳≠₽X
cisticola	Loongnix-Server 8.4.0 GCC 8.3.0 loongarch64	01:26 ago OK [e70abd6] Config	②×™€ £££
canebrake	Debian Sid gcc 13 x86-64	03:09 ago OK [e70abd6] Config	② ★■ ⑤░ੇ≙ ૠ૾૾ૺૺૣ≠ [tcl] 👺 💢

Цикл разработки

- Feature freeze в апреле
- Release в сентября

- Feature freeze в апреле
- Release в сентября
- Разработка в ветке master

- Feature freeze в апреле
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- Разработка в ветке master
- Ветки REL_{X}_STABLE для поддерживаемых мажоров Например REL_16_STABLE

- Feature freeze в апреле
- Release в сентября
- Разработка в ветке master
- Ветки REL_{X}_STABLE для поддерживаемых мажоров Например REL_16_STABLE
- Теги для всех выпущенных версий REL_16_2

- Feature freeze в апреле
- Release в сентября
- Разработка в ветке master
- Ветки REL_{X}_STABLE для поддерживаемых мажоров Например REL_16_STABLE
- Теги для всех выпущенных версий REL_16_2
- Фикс для CVE и коррупции в каждой выпущенной версии

Разработка

2020-09: Committed

2020-07: Moved to next CF

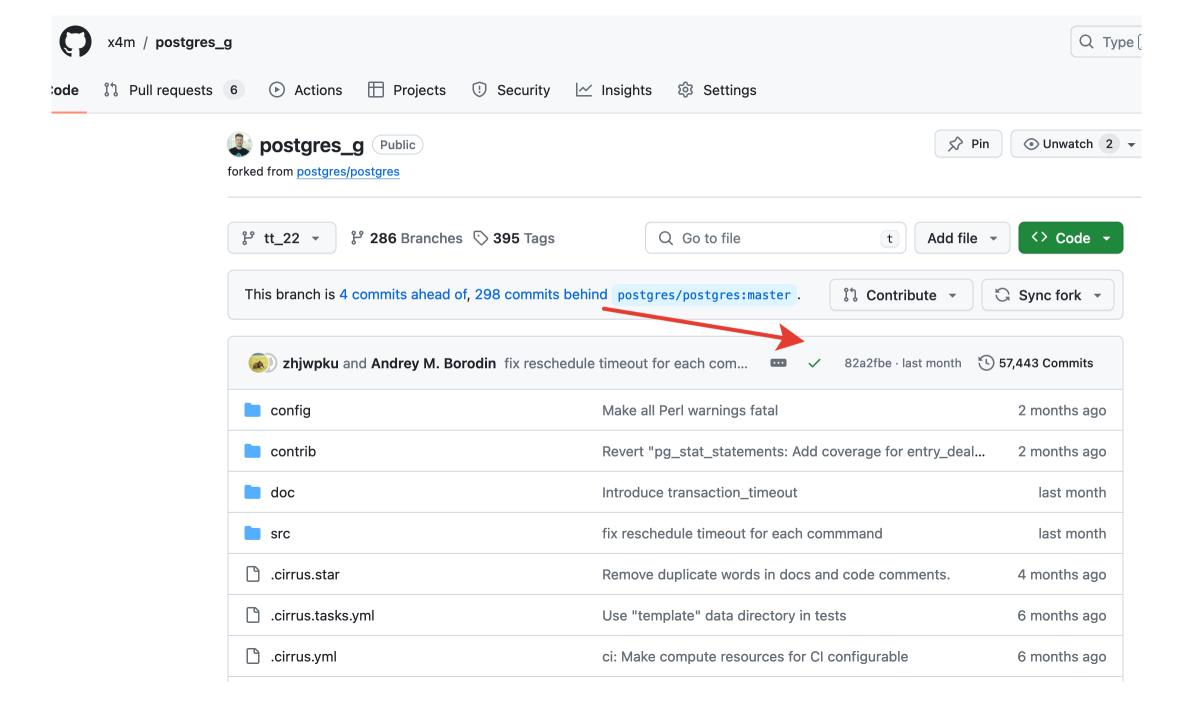
2020-03: Moved to next CF

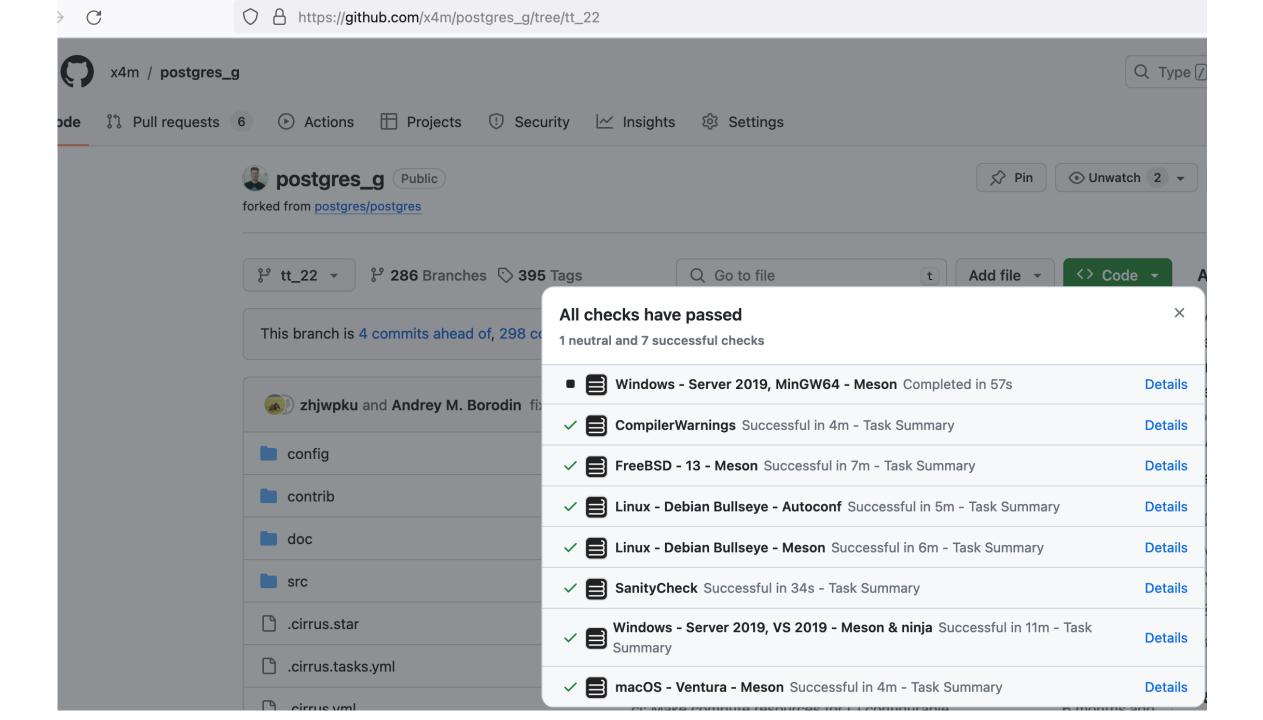
2020-01: Moved to next CF

2019-11: Moved to next CF

git kung-foo

```
git checkout origin/master
git checkout -b my_feature
// hack hack hack
git commit -a
git patch-format -7 -v 42
```







Andrey M. Borodin

pgsql-hackers 31 August 2023, 00:05

Re: UUID v7

To: Peter Eisentraut, Cc: Tom Lane, Daniel Gustafsson & 9 more Details

On 21 Aug 2023, at 13:42, Andrey M. Borodin <x4mmm@yandex-team.ru> wrote:

<v5-0001-Implement-UUID-v7-as-per-IETF-draft.patch><v5-0002-Buffer-random-numbers.patch> <v5-0003-Use-cached-random-numbers-in-gen_random_uuid-too.patch>

FPA attached next version.

Changes:

- implemented protection from time leap backwards when series is generated on the same backend
- counter overflow is now translated into ms step forward

Best regards, Andrey Borodin.







v6-0001-

v6-0003-Use-

v6-0002-

Implem...t.patch cached....patch

Buffer-...s.patch

В рассылке

• Помните, что пишете в архив

Re: UUID v7

Cc:

Date:

From: "Andrey M(dot) Borodin" <x4mmm(at)yandex-team(dot)ru>

To: Przemysław Sztoch <przemyslaw(at)sztoch(dot)pl>

Andrey Borodin <amborodin86(at)gmail(dot)com>, Jelte Fennema <postgres(at)jeltef(dot)nl>, Nick Babadzhanian <pgnickb(at)gmail(dot)com>, Mat Arye <mat(at)timescaledb(dot)com>, Peter Eisentraut

<samokhvalov(at)gmail(dot)com>, "Kyzer Davis (kydavis)" <kydavis(at)cisco(dot)com>, Andres Freund <andres(at)anarazel(dot)de>, PostgreSQL Hackers <pgsql-hackers(at)postgresql(dot)org>, "brad(at)peabody(dot)io"

\$

<brad(at)peabody(dot)io>, "wolakk(at)gmail(dot)com" <wolakk(at)gmail(dot)com>, sergeyprokhorenko(at)yahoo(dot)com(dot)au

Subject: Re: UUID v7

2024-01-04 18:20:11

Message-ID: CFE482C1-F001-4C51-89A3-084E7FF36157@yandex-team.ru
Views: Raw Message | Whole Thread | Download mbox | Resend email

Thread: 2024-01-04 18:20:11 from "Andrey M(dot) Borodin" <x4mmm(at)yandex-team(dot)ru>

Lists: pgsql-hackers

Hello Przemysław,

thanks for your interest in this patch!

- > On 3 Jan 2024, at 04:37, Przemysław Sztoch <przemyslaw(at)sztoch(dot)pl> wrote:
- > 1. Is it possible to add a function that returns the version of the generated uuid?
- > It will be very useful.
- > I don't know if it's possible, but I think there are bits in the UUID that inform about the version.

What do you think if we have functions get_uuid_v7_ver(uuid) and get_uuid_v7_var(uuid) to extract bit fields according to [0] ? Or, perhaps, this should be one function with two return parameters? It's not in a patch yet, I'm just considering how this functionality should look like.

- > 2. If there is any doubt about adding the function to the main sources (standard development in progress), in my opinion you can definitely add this function to the uuid-ossp extension. From my POV we can just have this function in the core. OSSP support for UUID seems more or less dead [1]: "Newsflash: 04-Jul-2008: Released OSSP uuid 1.6.2". Or do I look into wrong place?
- > 3. Wouldn't it be worth including UUID version 6 as well?

The standard in [0] says "Systems that do not involve legacy UUIDv1 SHOULD use UUIDv7 Section 5.7 instead." If there's a point in developing v6 - I'm OK to do so.

> 4. Sometimes you will need to generate a uuid for historical time. There should be an additional function gen_uuid_v7(timestamp).

Done, please see patch attached. But I changed signature to gen_uuid_v7(int8), to avoid messing with bytes from user who knows what they want. Or do you think gen_uuid_v7(timestamp) would be more convenient?

Thanks!

Best regards, Andrey Borodin.

- [0] https://datatracker.ietf.org/doc/html/draft-ietf-uuidrev-rfc4122bis-14#uuidv7
- [1] http://www.ossp.org/

Attachment	Content-Type	Size
v8-0001-Implement-UUID-v7-as-per-IETF-draft.patch	application/octet-stream	9.0 KB
v8-0002-Add-optional-argument-unix ts ms-to-gen uuid v7.patch	application/octet-stream	5.7 KB

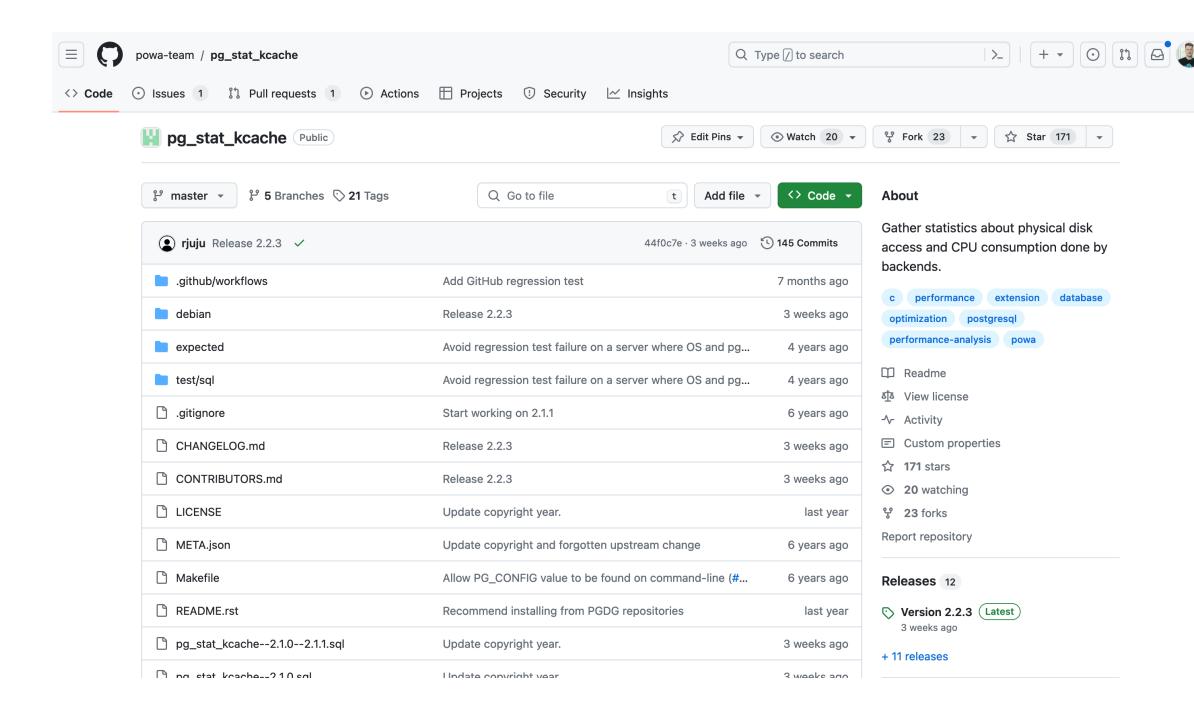
В рассылке

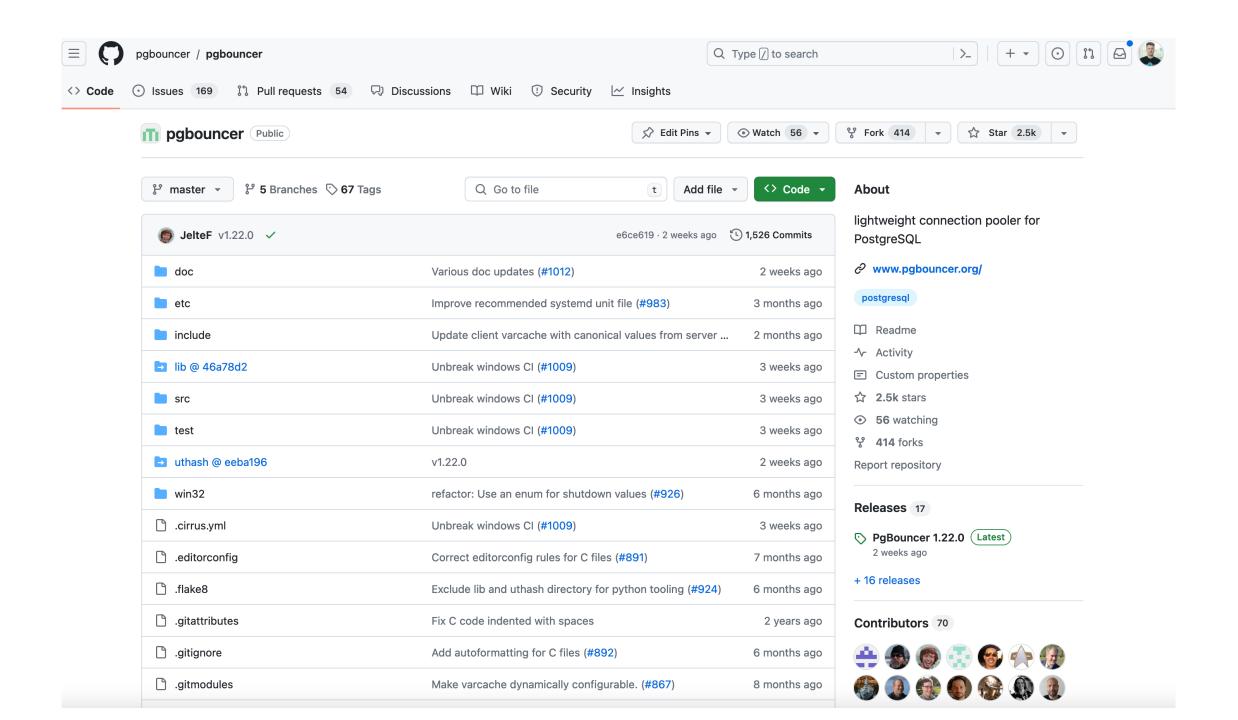
- Помните, что пишете в архив
- Plain text
- Без top posting \ overquoting

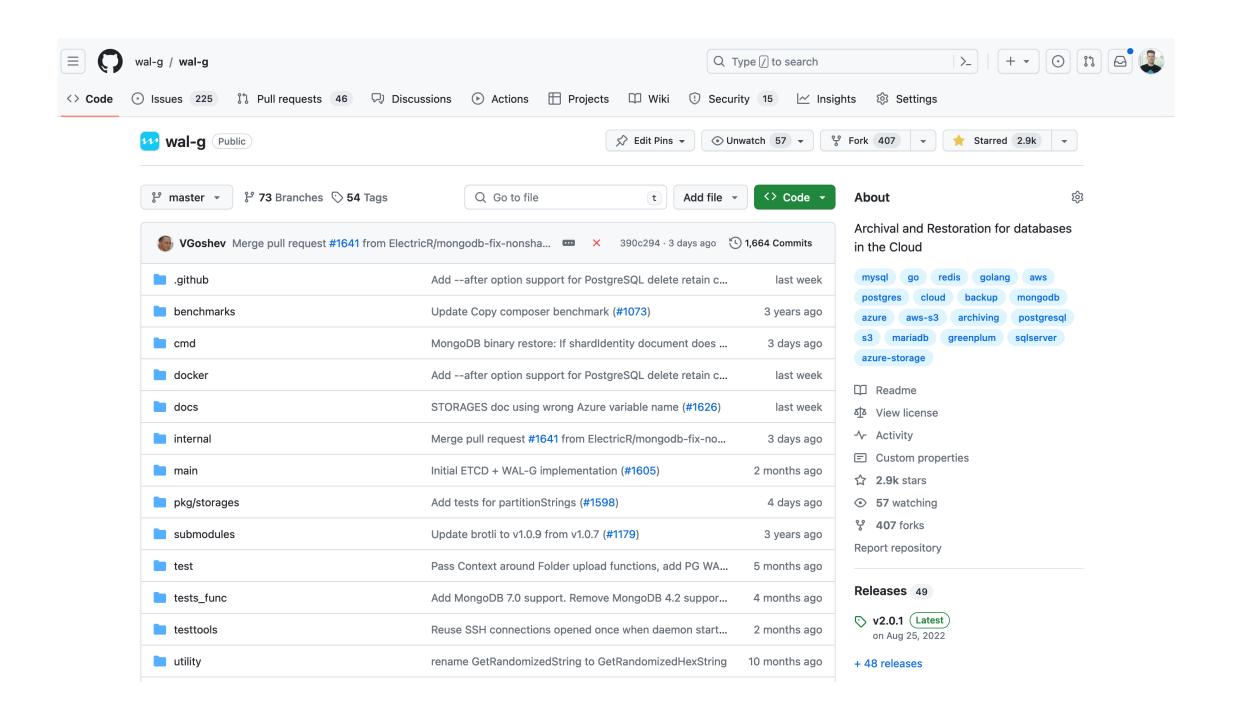
В рассылке

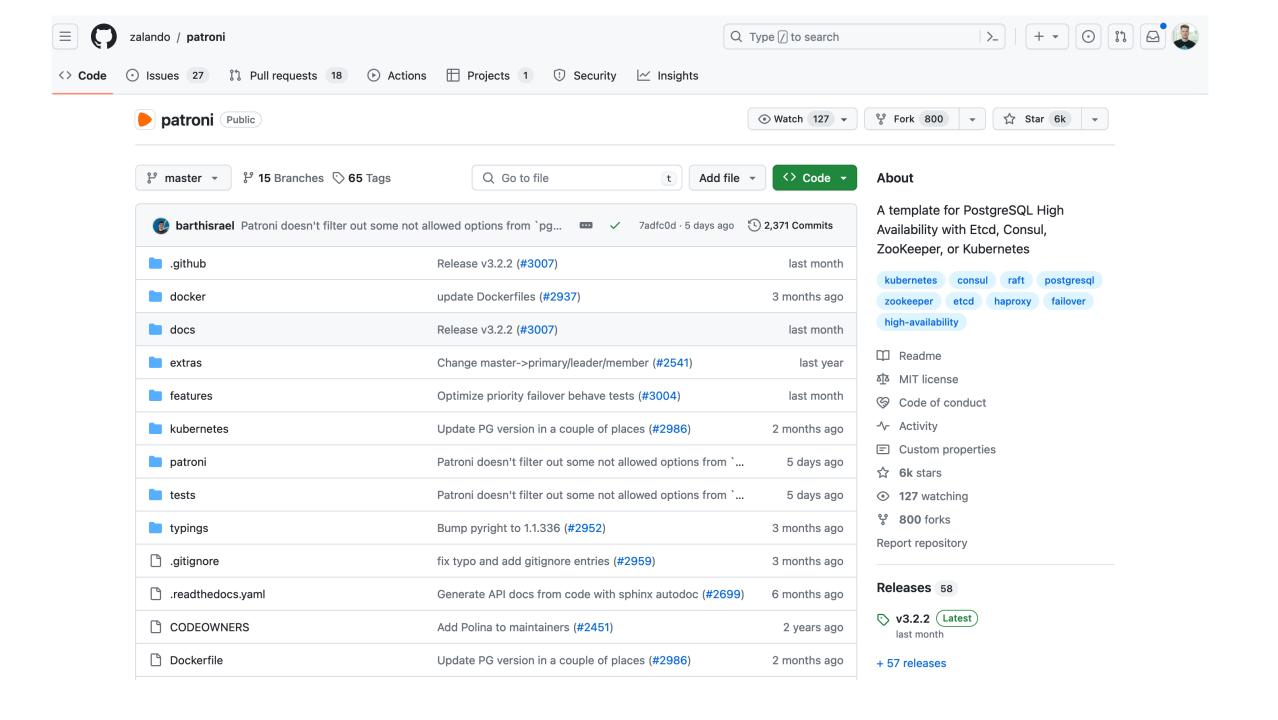
- Помните, что пишете в архив
- Plain text
- Без top posting \ overquoting
- Благодарите за критику

Экосистема

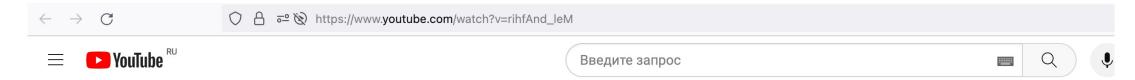


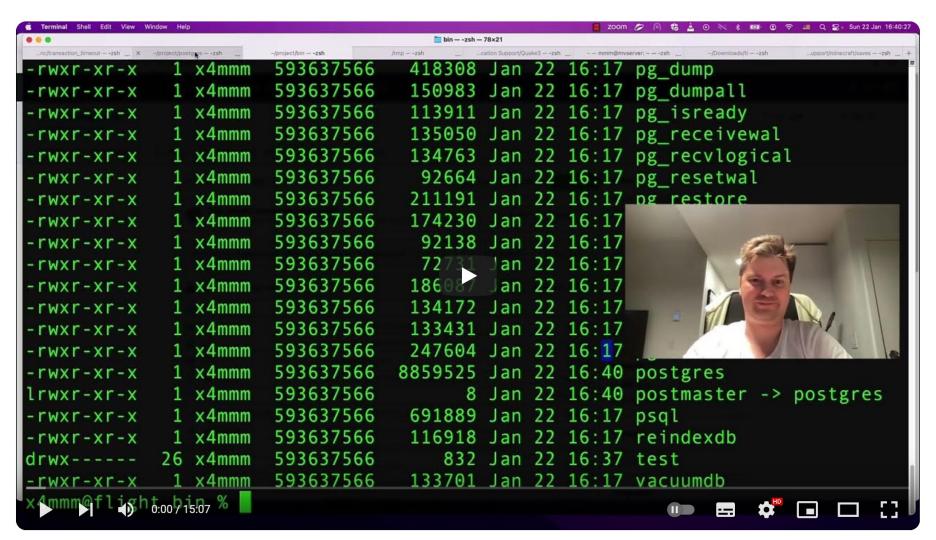






С чего начать (light version)





Подписки

- pgsql-announce
- pgsql-admin
- pgsql-hackers
- pgsql-bugs
- pgsql-committers

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Commitfest 2024-03



Status summary: Needs review: 174. Waiting on Author: 44. Ready for Committer: 27. Committed: 20. Returned with Feedback: 1. Rejected: 1. Total: 267.

Active patches

Patch +	Status	Ver	Author	Reviewers	Committer	Num cfs	Latest activity	Latest mail	
Bug Fixes									
Add some checks to avoid stack overflow	Needs review	stable	Egor Chindyaskin (egorchin21)	Robert Haas (rhaas)		5	2024-02-01 16:36	2024-01-12 21:00	
Allow SIGINT to cancel psql database reconnections	Needs review		Tristan Partin (tristan957)			4	2024-01-12 17:15	2024-01-31 18:34	
Postpone reparameterization of paths until when creating plans	Ready for Committer		Richard Guo (richardguo)	Ashutosh Bapat (ashutoshbapat), Andrei Lepikhov (lepikhov), Alena Rybakina (a.rybakina)	tgl	4	2024-02-01 18:10	2024-02-02 02:10	
pg_ctl start may return 0 even if the postmaster has been already started on Windows	Waiting on Author		Kyotaro Horiguchi (horiguti)	Hayato Kuroda (ha-kun)		3	2024-02-01 18:23	2024-01-15 18:34	
Mark expressions nullable by grouping sets	Waiting on Author		Richard Guo (richardguo)	Alena Rybakina (a.rybakina)		3	2024-01-30 06:01	2024-01-11 15:10	
[PATCH] LockAcquireExtended improvement	Needs review	17	Jingxian Li (jingxian)			2	2024-02-01 16:37	2024-02-08 10:28	
Fix COPY FROMCSV importing on a line by itself	Needs review		Daniel Vérité (danielverite)			2	2024-02-01 16:37	2024-01-24 16:01	
"unexpected duplicate for tablespace" problem in logical replication	Waiting on Author	stable	Shenhao Wang (wangshenhao)	Masahiko Sawada (masahikosawada)		2	2024-02-01 18:24	2024-02-02 15:49	
Dump-restore loosing 'attnotnull' bit for DEFERRABLE PRIMARY KEY column(s)	Needs review	17	Amul Sul (sulamul)			2	2024-02-01 16:37	2024-01-23 12:11	

Конференции



Сложности разработки

• Непонятно как мотивировать сотрудника

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- Сотруднику непонятно как строить карьеру

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- Всё уже изобретено много раз

Возможности

Total Cost of Ownership

- Железо
- Софт
- Люди

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Функция существенно сложнее сложения $\frac{(SRE_{cost} + Licences_{cost}) \cdot (Incidents_{cost}) \cdot (ComputePower_{cost})}{\alpha \cdot QPS + \beta \cdot Traffic} \approx const$

, где SREcost включает усилия потраченные на observability

• Инциденты – основная стоимость операционной СУБД

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- Нужен owner

Owner(ы)

- Координируется с SRE
- Предлагает провести ревью в перспективных или нужных тредах
- Предлагает идеи разработчикам
- Предлагает сдуть пыль со старых патчей
- Напоминает о нужности обновлений патчей
- Защищает необходимость ресурсов на экосистемные работы

Нас не так много, как кажется

- Большие монокомании EDB, PgPro, NTT
- Крупные команды контрибьюторов в AWS и MS
- Небольшие команды в Google, Timescale, Яндексе, Aiven
- Околопостгресные стартапы Oriole, Neon, Supabase, Greenplum

Давайте делать Postgres!

Андрей Бородин, Postgres contributor.