

pg_cron permission denied (not resolved)

Last updated by | Hamza Aqel | Oct 4, 2022 at 6:27 AM PDT

After M21 deployment, we discovered a bug that does not copy some extension scripts granting the required privileges to azure_pg_admin. As a result, azure_pg_admin users cannot use the extensions. The following extensions are affected by this problem:

- Pg_Cron
- Pg_repack
- hypopg

This problem occurs when customer creates one of the above extensions on an old server that was upgraded to >= M20 version. The problem does not occur if:

- the extension was created before the upgrade.
- the server was created as M20/21.

The PR to fix this issue is ready and it will be part of the next M22/23 deployment.

example :

```
postgres=> select version();
               version
-----
PostgreSQL 13.7 on x86_64-pc-linux-gnu, compiled by gcc (Ubuntu 7.5.0-3ubuntu1~18.04) 7.5.0, 64-bit
(1 row)

postgres=> \dx
               List of installed extensions
  Name | Version | Schema | Description
-----+-----+-----+-----
azure  | 1.0     | pg_catalog | azure extension for PostgreSQL service
pg_cron | 1.4-1   | public  | Job scheduler for PostgreSQL
plpgsql | 1.0     | pg_catalog | PL/pgSQL procedural language
(3 rows)

postgres=> select * from pg_extension;
 oid | extname | extowner | extnamespace | extrelocatable | extversion | extconfig | extcondition
-----+-----+-----+-----+-----+-----+-----+-----
14016 | plpgsql | 10       | 11           | f               | 1.0       |           |
24831 | azure   | 10       | 11           | t               | 1.0       |           |
26084 | pg_cron | 10       | 2200        | f               | 1.4-1     | {26088,26086,26109,26107} | {"", "", "", ""}
(3 rows)

postgres=> select * from cron.job;
ERROR: permission denied for schema cron
LINE 1: select * from cron.job;
          ^

postgres=> select * from cron.job_run_details;
ERROR: permission denied for schema cron
LINE 1: select * from cron.job_run_details;
          ^

postgres=> SELECT cron.schedule_in_database('JobName', '30 3 * * 6', $$DELETE FROM events WHERE event_time < now() - interval '1 week'$$, 'mydb1');
ERROR: permission denied for schema cron
LINE 1: SELECT cron.schedule_in_database('JobName', '30 3 * * 6', $$...
```

If you face an issue on these extensions, you need to engage our PG through an ICM to have it fixed, we are still impacted and will update/remove this TSG once this issue fixed