Error when using pgrestore

Last updated by | Dandan Zhang | Apr 6, 2021 at 6:50 PM PDT

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Issue

Customer is trying to restore a DB using pg_restore command in Azure Database for PostgreSQL flexible server and they are getting below error. The user used in command is admin of server.

Command: pg_restore -U xxxx -d postgres --host=xxxx.postgres.database.azure.com ☐ --port=5432 -j 4 /home/xxxx/xxxx/dump.dir

Error detail:

pg_restore: [archiver (db)] Error while PROCESSING TOC: pg_restore: [archiver (db)] Error from TOC entry 1; 3079 14321 EXTENSION plpgsql pg_restore: [archiver (db)] could not execute query: ERROR: extension 'plpgsql' is not white-listed for 'azure_pg_admin' users in Azure Database for PostgreSQL HINT: to see the full white list of extensions, please run: 'show azure.extensions;' Command was: CREATE EXTENSION IF NOT EXISTS plpgsql WITH SCHEMA pg_catalog;

pg_restore: [archiver (db)] Error from TOC entry 4200; 0 0 COMMENT EXTENSION plpgsql pg_restore: [archiver (db)] could not execute query: ERROR: must be owner of extension plpgsql Command was: COMMENT ON EXTENSION plpgsql IS 'PL/pgSQL procedural language';

pg_restore: [archiver (db)] Error from TOC entry 4201; 0 0 COMMENT EXTENSION pg_buffercache pg_restore: [archiver (db)] could not execute query: ERROR: must be owner of extension pg_buffercache Command was: COMMENT ON EXTENSION pg_buffercache IS 'examine the shared buffer cache';

pg_restore: [archiver (db)] Error from TOC entry 4202; 0 0 COMMENT EXTENSION pg_stat_statements pg_restore: [archiver (db)] could not execute query: ERROR: must be owner of extension pg_stat_statements Command was: COMMENT ON EXTENSION pg_stat_statements IS 'track execution statistics of all SQL statements executed';

Investigation/Analysis

Reference this ICM

Mitigation

plpgsql is preinstalled as you can see in our documentation. The same is likely the case for pg_buffercache and pg_stat_statements.

This is not a service issue, this happen usually if he is trying to do a complete restore including the system databases , you can ignore these messages if there are no other errors as I explained in the channel as that extension already there by default , or from the source you can include the custom databases.

Public Doc Reference (optional)

https://docs.microsoft.com/en-us/azure/postgresql/flexible-server/concepts-extensions ⧉

Internal Reference (optional)

https://portal.microsofticm.com/imp/v3/incidents/details/229670212/home ⧉

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