Postgres Flexible - Error when using pg_dumpall

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Contents

Issue

pg_dumpall is not working as follows:

```
pg_dumpall -v -h'<servename>.postgres.database.azure.com' -U'admin' > C:/temp/all1.sql
```

Error:

```
pg_dumpall: executing SELECT pg_catalog.set_config('search_path', '', false);
pg_dumpall: executing SELECT oid, rolname, rolsuper, rolinherit, rolcreaterole, rolcreatedb, rolcanlogin, rolc
pg_dumpall: error: query failed: ERROR:  permission denied for table pg_authid
pg_dumpall: error: query was: SELECT oid, rolname, rolsuper, rolinherit, rolcreaterole, rolcreatedb, rolcanlog
```

Investigation/Analysis

This behavior is expected since this pg_authid catalog contains information about the database authorization identifiers (roles). The command is trying to dumpall included system objects it cannot be in this case as this requires a super role, and the superuser role is managed by Microsoft
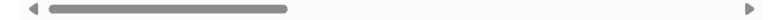
Mitigation

Pg_dumpall can be executed by indicating the user databases that need to be backed up, excluding databases managed by Azure and remove the passwords

- Indicate the user database with parameter followed by the database name: --database=<dbname>
- Exclude Azure databases with parameters followed by the database name, see the list of databases to exclude: --exclude-database=azure_sys --exclude-database=postgres --exclude-database=template0 --exclude-database=template1

Example: The intention is to backup database database1 and database 2. For this use the below command:

```
pg_dumpall -h <servername>.postgres.database.azure.com -p 5432 -U admin --database=database1 --database=databa
```

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Public Doc Reference

- [pg_dumpall](#) ↗

Root Cause Classification

Cases resolved by this TSG should be coded to the following root cause :
/Root Cause: PostgreSQL Flexible Server/Backup/Restore/Open Source/External