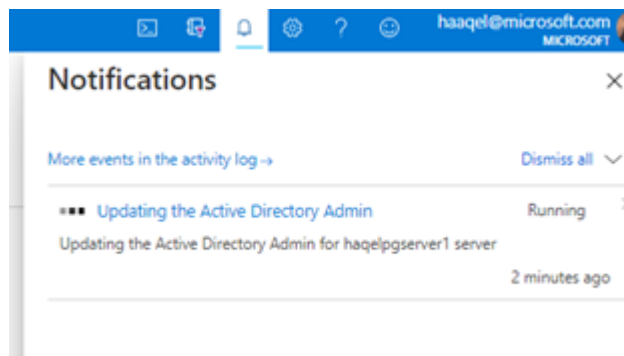


Can't remove Azure Active directory admin

Last updated by | Hamza Aqel | Mar 8, 2023 at 2:39 AM PST

Some customers reported that the customer was not able to delete the AAD in Azure database for PostgreSQL, and after triggering the operation, the request keep running forever without any error message:



And the same in the activity logs:

4 items.

Operation name	Status	Time	Time stamp	Subscription
▼ Delete Administrator of PostgreSQL server.	Accepted	12 minutes ...	Thu Sep 17 ...	Hamza
● Delete Administrator of PostgreSQL server.	Started	12 minutes ...	Thu Sep 17 ...	Hamza
● Delete Administrator of PostgreSQL server.	Started	12 minutes ...	Thu Sep 17 ...	Hamza
● Delete Administrator of PostgreSQL server.	Accepted	12 minutes ...	Thu Sep 17 ...	Hamza

On that case check the below:

Use Kusto query to get more details about the request:

```
let pg_server_name = "haqelpgserver1";
let begin_time = ago(1d);
let finish_time = now();
MonRdmsInstanceAgent
| where LogicalServerName == pg_server_name
| where originalEventTimestamp > begin_time
| where originalEventTimestamp < finish_time
| where message_systemmetadata contains "PostgresAADModel"
| project originalEventTimestamp, process_id, message_systemmetadata
```

We can see the below error message:

```
[PostgresAADModel].DeleteAADAdminOnMaster: Exception=Npgsql.PostgresException (0x80004005): 2BP01: role "haaqel@microsoft.com" cannot be dropped because some objects depend on it
at Npgsql.NpgsqlConnector.<>c__DisplayClass161_0.<<ReadMessage>g_ReadMessageLong|0>d.MoveNext()
--- End of stack trace from previous location where exception was thrown ---
at System.Runtime.ExceptionServices.ExceptionDispatchInfo.Throw()
at Npgsql.NpgsqlConnector.<>c__DisplayClass161_0.<<ReadMessage>g_ReadMessageLong|0>d.MoveNext()
--- End of stack trace from previous location where exception was thrown ---
at System.Runtime.ExceptionServices.ExceptionDispatchInfo.Throw()
at System.Runtime.CompilerServices.TaskAwaiter.HandleNonSuccessAndDebuggerNotification(Task task)
```

As you can see the operation stuck because there is a dependent objects on the role haaqel@microsoft.com and you need to remove these objects first , so log in with your server admin user and check the object dependency there :

Replace haaqel@microsoft.com with your role found in the `MonRdmsInstanceAgent`

); 2BP01 role "haaqel@microsoft.com" cannot be dropped because some objects depend on it

In my case the role is haaqel@microsoft.com, and make sure to run this query in all customer databases :

```
WITH myconstants (MyUser, ExcludeUser) AS (
    values ('haaqel@microsoft.com', 'azure_superuser')
)
SELECT
    n.nspname AS schema_name,
    c.relname AS rel_name,
    c.relkind AS rel_kind,
    pg_get_userbyid(c.relowner) AS owner_name
FROM myconstants, pg_class c
JOIN pg_namespace n ON n.oid = c.relnamespace
WHERE
    pg_get_userbyid(c.relowner) NOT LIKE concat('%',ExcludeUser,'%')
    AND
    pg_get_userbyid(c.relowner) LIKE concat('%',MyUser,'%')
UNION ALL
SELECT
    n.nspname AS schema_name,
    p.proname,
    'p',
    pg_get_userbyid(p.proowner)
FROM myconstants, pg_proc p
JOIN pg_namespace n ON n.oid = p.pronamespace
WHERE
    pg_get_userbyid(p.proowner) NOT LIKE concat ('%',ExcludeUser,'%')
    AND
    pg_get_userbyid(p.proowner) LIKE concat('%',MyUser,'%')
```

Results		Messages		
	schema_name	rel_name	rel_kind	owner_name
1	public	myt1	r	haaqel@microsoft.com

To mitigate the issue, change the ownership of these object to other new/existing user and retry the operation:

<https://www.postgresql.org/docs/11/sql-reassign-owned.html>

You can also use the following queries to revoke permissions from the current AD user :

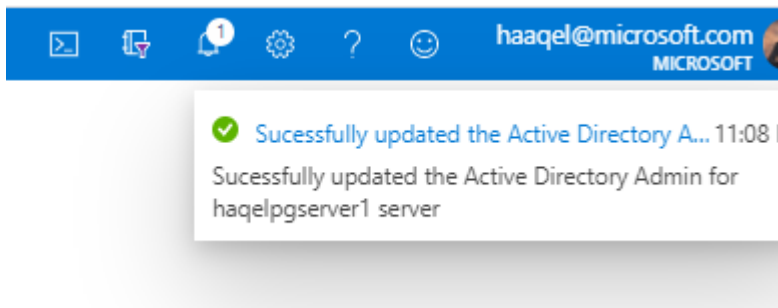
```
REVOKE ALL PRIVILEGES ON ALL TABLES IN SCHEMA shema_name FROM role_name;
REVOKE ALL PRIVILEGES ON ALL SEQUENCES IN SCHEMA shema_name FROM role_name;
```

```
REVOKE ALL PRIVILEGES ON ALL FUNCTIONS IN SCHEMA shema_name FROM role_name;  
REVOKE ALL PRIVILEGES ON DATABASE database_name FROM role_name;
```

```
REASSIGN OWNED BY "haaqel@microsoft.com" TO "haqel";
```

```
DROP OWNED BY "haaqel@microsoft.com";
```

And make sure before running the above commands that you are connecting to the database where you found the dependency objects.



How good have you found this content?

