

Failed to delete user role from all nodes

Last updated by | Abhishek Reddy Kumbham | May 18, 2022 at 6:50 AM PDT

Issue:

When customer is trying to delete a role from Citus server, operation fails with error message:

Failed to delete role 'role name' from all nodes in this server group. An unexpected error occurred while processing the request.

Investigation/Analysis:

This error happens when the role have tables associated.

Mitigation:

There are two options:

- Drop the tables associated to the role.
- Change the table ownership to different user.

e.g. use citus role to run:

```
ALTER TABLE github_events OWNER TO tempuser;
```

Repro steps:


1. Add new role in the portal. e.g. rolh823g
2. Connect to the server database using new role
3. Create a distributed table. For example, use below query:

```
CREATE TABLE github_events
(
    event_id bigint,
    event_type text,
    event_public boolean,
    repo_id bigint,
    payload jsonb,
    repo jsonb,
    actor jsonb,
    org jsonb,
    created_at timestamp
);
SELECT create_distributed_table('github_events', 'repo_id');
```

4. If you try to delete role, it fails:
5. Drop table or change ownership.
6. Try again and error is gone:

Public Doc Reference:

Find more information about creating additional user roles and delete user role in the link below.

<https://docs.microsoft.com/en-us/azure/postgresql/howto-hyperscale-create-users#how-to-create-additional-user-roles> 

Root Cause Classification:

Cases resolved by this TSG should be coded to the following root cause:

/Root Cause: Azure Open Source DB V2/Availability/Connectivity/User Issue/Error/Other