

TSG PostgreSQL server stuck in dropping

Last updated by | Shawn Xiao | Jul 14, 2021 at 7:55 AM PDT

Investigation Steps

1. Find out the ongoing drop operation

query1

```
MonOrcasBreadthRp
| where operation_type == 'DropServerManagementOperation'
| where operation_parameters contains "<server name>"
| distinct request_id
| join kind= leftouter(
MonOrcasBreadthRp
| distinct request_id, new_state, originalEventTimestamp, state_machine_type
| where isnotempty(new_state) and state_machine_type == 'ManagementOperationStateMachine'
| summarize state = arg_max(originalEventTimestamp, new_state) by request_id
) on request_id
| project request_id, new_state
| where new_state !in ('Succeeded', 'Failed', 'Timeout')
```

2. Check if there's any errors or exceptions in that request

query2

```
MonOrcasBreadthRp
| where request_id =~ "<request from step 1>"
| project request_id, originalEventTimestamp, AppName, event, state_machine_type, ['keys'], old_state, new_state, client_request_url, client_response_status_code, client_response_content, operation_parameters, client_response
| order by originalEventTimestamp asc
```



Check which **state** this operation is stuck in.

Known issues

1. operation stuck in **DropServiceAssociationLink** with exception like bellow:

System.OperationCanceledException: WebApi request was canceled as it has reached the maximum number of retries '5' ---> WebApiCommon.HttpResponseException: Http request failed. StatusCode: 409, ReasonPhrase: Conflict, Content: {"error":{"code":"ScopeLocked","message":"The scope '/subscriptions/13181d92-5dac-4f76-993c-e0d9412517d9/resourceGroups/mikebtest-rg/providers/Microsoft.Network/virtualNetworks/test/subnets/default/serviceAssociationLinks/default-service-association-link' cannot perform delete operation because following scope(s) are locked: '/subscriptions/13181d92-5dac-4f76-993c-e0d9412517d9/resourceGroups/mikebtest-rg'. Please remove the lock and try again."}} at WebApiCommon.WebApiDataSource.<>c__DisplayClass40_0.<ExecuteDelete>b__0(HttpClient client) in M:\orcasvs17-006\Work_6\s\MeruCommon\src\Common\WebApiCommon\WebApiDataSource.cs:line 570 at WebApiCommon.WebApiDataSource.Execute(Action 1 action, Int32 retryCount, Tuple 2[] requestHeaders) in M:\orcasvs17-006\Work_6\s\MeruCommon\src\Common\WebApiCommon\WebApiDataSource.cs:line 706 -- End of inner exception stack trace --- at WebApiCommon.WebApiDataSource.Execute(Action 1 action, Int32 retryCount, Tuple 2[] requestHeaders) in M:\orcasvs17-006\Work_6\s\MeruCommon\src\Common\WebApiCommon\WebApiDataSource.cs:line 727 at WebApiCommon.WebApiDataSource.ExecuteDelete(String endpoint, Tuple 2[] requestHeaders) in M:\orcasvs17-006\Work_6\s\MeruCommon\src\Common\WebApiCommon\WebApiDataSource.cs:line 574 at Microsoft.SqlServer.Management.OrcasBreadth.FiniteStateMachines.NrpServiceAssociationLinkDropOperation.TransitionDropServiceAssociationLink(ActionOutcome& actionOutcome) in M:\orcasvs17-006\Work_6\s\src\OrcasBreadthRP\FSM\Code\Operations\Drops\NrpServiceAssociationLinkDropOperation.cs:line 284

1.1 Update the drop associate link operation state from **DropServiceAssociationLink** to **Completed**. You can get the key value from the **keys** column from *query2* at state DropServiceAssociationLink. **If you are not sure, please open ICM or reach out to me**

	keys	state	action
ation	b2f09194-6d3b-4945-bab5-6a4411a6ad...	DropServiceAssociationLink	TransitionE
ation	b2f09194-6d3b-4945-bab5-6a4411a6ad...	DropServiceAssociationLink	TransitionE
ation	b2f09194-6d3b-4945-bab5-6a4411a6ad...	DropServiceAssociationLink	TransitionE
ation	b2f09194-6d3b-4945-bab5-6a4411a6ad...	DropServiceAssociationLink	TransitionE

```
Set-OrcasBreadthFSMState -TableName tbl_operation_drop_service_association_link -Keys <key> -ExpectedCurrentSt
```

1.2 Update the service associated link entity state. Get key from *query2* and execute bellow query in xts view **orcasbreadth-adhoccmsquery.xts**

```
select state, * from entity_service_association_link where owner_operation_id = '<key>'
```

You will see result like bellow:

OrcasBreadth CMS query

Query Text

```
select state, * from entity_service_association_link where owner_operation_id = 'b2f09194-6d3b-4945-bab5-6a4411a6ad40'
```

OK

TDS Query to OrcasBreadth metadata store

state	id	service_association_link_name	delegated_virtual_network_id	delegated_virtual_network_name	delegated_virtual_net
Dropping	cc7bde53-d73a-4be7-af3e-b73a7f03d27a	default-service-association-link	9191cf81-741e-4700-a2c2-9d8d49696274	test	mikebtest-rg

Use this CAS command to update the entity state from Dropping to Succeeded: **(If you are not sure, please open ICM or reach out to me)**

```
Set-OrcasBreadthEntityState -TableName "entity_service_association_link" -Keys <id> -ExpectedCurrentState Drop
```

1.3 Make sure the server is in 'Tombstoned' state after above steps.