

# Error 40928 Cannot Add or Remove DB from FoG

Last updated by | Vitor Tomaz | Jun 8, 2022 at 5:33 AM PDT

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## Issue

Customer encounters error when adding or removing the database in elastic pool from failover group. Error message is as below: *Create or update Failover Group operation successfully completed; however, some of the databases could not be added to or removed from Failover Group.*

## Troubleshooting

1. Check MonManagement log for both primary and secondary server.

```
MonManagement
| where operation_parameters contains "failover-group-name" //failover group name
//| where TIMESTAMP >= datetime(2022-03-11 02:40:00)
| project originalEventTimestamp, transaction_id, event, request_id, request_name
```

***Please note that two request IDs will be generated when a failover group is under deployment***

- One request id contains all information, including failover group endpoint creation and databases copy operation.
- Another one only contains the information regarding the creation of failover group endpoint

```
//check operation details
MonManagement
| where request_id == "XXXXXXXXXXXXXXXXXXXXXXXXXXXX"
| project TIMESTAMP,
    event,
    state_machine_type ,
    request_id,
    old_state,
    new_state ,
    client_address,
    logical_server_name,
    request_name ,
    logical_database_name ,
    partner_logical_server_name ,
    partner_logical_database_name,
    operation_parameters
```

2. From the log, you will see error 40619 when creating the logical database. 40619 The edition 'Premium' does not support the database data max size '34359738368'.
3. Check the resource pool history and you can find the database was created in General Purpose service tier and then upgraded to Premium service tier.

```
MonBillingResourcePoolStatus
| where resource_pool_name =~ "elastic pool name"
| project TIMESTAMP, resource_pool_name, resource_pool_id, billing_server_name, storage_limit_in_mb, data
| take 10
```

32GB is not supported in "Premium" service tier. This max size on primary region exists because database was created in GP service tier.

Please be noted that 32GB is a sample storage size, you could encounter such error in any storage size available in GP, but not Premium.

## Root Cause

Due to previous UpdateSLO on the source elastic pool GP -> BC, participating databases kept their original max sizes, which is 32 GB. This is supported value for GP but not for BC, thus the attempt to add a DB with 32 GB max size to the target elastic pool which is a BC failed.

## Mitigation

Change the max size for all databases participating in the source elastic pool to closer higher supported value.

## How good have you found this content?

