

# Sync Error - Cannot insert the value NULL into column error when try to sync

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## Symptom

"Cannot insert the value NULL into column 'provision\_timestamp', table 'prd\_honeywell\_core.DataSync.provision\_marker\_dss'; column does not allow nulls. INSERT fails. The statement has been terminated," when attempting to perform a Sync operation.

## Cause

Data sync does not support using geo-copied\restored database if the source database is already in sync-relation. The reason is if the database is in sync relation, it already contains a lot of sync-related information about the current sync, like trigger, tracking table, SP and etc. So by using geo-replication and restore, these information will be blindly copied\restored to the new database. When the new database is added into new sync groups, it can mess up the new sync relation.

## Mitigation

Please check out PG TSG; [SYNC0000 Error "Cannot insert the value NULL into column 'provision\\_timestamp' table 'DataSync.provision\\_marker\\_dss'"](#)

In the 3rd step, below Scripts can be used to run for clean up

```

--We want to drop all user table start with datasync and contains _dss
SELECT * FROM sys.tables AS st
JOIN sys.schemas AS ss ON ss.schema_id = st.schema_id
WHERE ss.name = 'DataSync' AND st.name LIKE '%_dss%'

--generate the script to drop data sync tables
SELECT 'DROP TABLE [DataSync].['+ st.name+ '];' FROM sys.tables AS st
JOIN sys.schemas AS ss ON ss.schema_id = st.schema_id
WHERE ss.name = 'DataSync' AND st.name LIKE '%_dss%'

-- list data sync store procedures
SELECT * FROM sys.procedures AS sp
JOIN sys.schemas AS ss ON ss.schema_id = sp.schema_id
WHERE ss.name = 'DataSync' AND sp.name LIKE '%_dss_%'

--- generate the script to drop data sync store procedures
SELECT 'DROP procedure [DataSync].['+ sp.name+ '];' FROM sys.procedures AS sp
JOIN sys.schemas AS ss ON ss.schema_id = sp.schema_id
WHERE ss.name = 'DataSync' AND sp.name LIKE '%_dss_%'

-- list triggers for data sync
SELECT * FROM sys.triggers AS st
WHERE st.name LIKE '%_dss%' AND st.name LIKE '%trigger'

--delete datasync triggers if there is any
SELECT 'DROP TRIGGER ['+st.name+']' FROM sys.triggers AS st
WHERE st.name LIKE '%_dss%' AND st.name LIKE '%trigger'

-- list user-define for data sync

SELECT * FROM sys.types AS st
JOIN sys.schemas AS ss ON st.schema_id = ss.schema_id
WHERE ss.name = 'DataSync' AND st.name LIKE '%_dss_%'

--- generate script for dropping data sync-related udt
SELECT 'DROP TYPE [DataSync].['+ st.name+ '];' FROM sys.types AS st
JOIN sys.schemas AS ss ON st.schema_id = ss.schema_id
WHERE ss.name = 'DataSync' AND st.name LIKE '%_dss_%'

```

## Classification

Root cause Tree - DataSync/Service issue/SyncFail

## How good have you found this content?



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