Fix the issues with all options (direct fix, reinitialize - single article or from backup etc, recreate)

Try all in different test and do some combined

**Pre request:** Create replication using How\_to\_configure-Transactional\_Replication\_Issues\_Reproduce.docx (OR) create and configure Distributer and create publication using initialize from backup and configure subscription and do all following tests.

Test 1

Try with new publication initialize from backup and add table from GUI and T-SQL.

Try add new table in GUI and start the snapshot agent and check – Working

Try adding new table by using sp\_addarticle (Do not run sp\_refreshsubscriptions)T-SQL for single article and start the snapshot agent and check – Working

For this both manually we need to run sp\_addsubscription SP

All existing table DML are replicating correctly.

Newly added article are replicating correctly.

Only thing is we need manually run sp\_addsubscription SP, otherwise it will say

**Snapshot was not generated because no subscriptions needed initialization**

DECLARE @publication AS sysname;

DECLARE @subscriber AS sysname;

DECLARE @subscriptionDB AS sysname;

SET @publication = N'Pub\_Muthu\_1';

SET @subscriber = N'Node2';

SET @subscriptionDB = N'Muthu\_1';

--Add a push subscription to a transactional publication.

USE [Muthu\_1]

EXEC sp\_addsubscription

@publication = @publication,

@subscriber = @subscriber,

@destination\_db = @subscriptionDB,

@subscription\_type = N'push',

@sync\_type = 'automatic',

@update\_mode = 'read only';

Test 2 For existing Replication which was initialized using snapshot files, remove only subscription and test.

Try with existing publication initialize from backup and add table from GUI and T-SQL.

Try add new table in GUI and start the snapshot agent and check –Working

Try adding new table by using sp\_addarticle (Do not run sp\_refreshsubscriptions) T-SQL for single article and start the snapshot agent and check – Working

Note: Only issue if we leave all tables in the restore in subscriber side, if you want to replicate later that’s not replicating it, if you drop in subscriber and add it in the replication it is working.

3.Test For existing Replication which was initialized using snapshot files, remove both publication (Script out Pub) and subscription and ty it , which is configured by using snapshot method

Better script out Publication and Distributer.

Both removing only subscription (OR) publication and subscription – both are working.

Drop subscription from the publication and remove the publication. While creating the publication we need to change parameter @sync\_method = N'concurrent' to @sync\_method = N'native'

Try add new table in GUI and start the snapshot agent and check –Working

Try adding new table by using sp\_addarticle (Do not run sp\_refreshsubscriptions) T-SQL for single article and start the snapshot agent and check – Working