SQL Server – How to re-initialize just a single article in transaction replication -- Upskill 2020.

1.  Turn off @allow\_anonymous and @immediate\_sync on the publication.

use PUBLICATION\_DB\_NAME

go

EXEC sp\_changepublication

@publication = 'Upskill2020\_Test',

@property = N'allow\_anonymous',

@value = 'false'

GO

EXEC sp\_changepublication

@publication = 'Upskill2020\_Test',

@property = N'immediate\_sync',

@value = 'false'

GO

The reason we must disable @immediate\_sync is because every time you add a new article, and if @immediate\_sync is enabled, it will cause the entire snapshot to be applied. Our objective is to only apply a particular article.

2.  Add new article.

EXEC sp\_addarticle

@publication = 'Upskill2020\_Test',

@article = 'Employee',

@source\_object = 'Employee',

@force\_invalidate\_snapshot = 1

3.  Refresh the subscription

EXEC sp\_refreshsubscriptions @publication = 'Repl\_RBD'

GO

4.  Check the current snapshot agent history.

use distribution

go

select \* from dbo.MSsnapshot\_history

5.  Start Snapshot agent.

EXEC sp\_startpublication\_snapshot @publication = 'Upskill2020\_Test';

GO

6.  Check the Snapshot Agent history again. You should see a snapshot generated only for the newly added article/s.

7.  Turn ON @allow\_anonymous and @immediate\_sync on the publication.

use PUBLICATION\_DB\_NAME

go

EXEC sp\_changepublication

@publication = 'Upskill2020\_Test',

@property = N'immediate\_sync',

@value = 'true'

GO

EXEC sp\_changepublication

@publication = 'Upskill2020\_Test',

@property = N'allow\_anonymous',

@value = 'true'

GO

This is how you can re-initialize only the required articles.