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.

```sql
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.