4. do_sync_flag

do_sync_flag explains various status of synchronization between Source and Database and helps in **Database to Source Replication**. *do_sync_flag* helps in updating **existing data** and inserting **new data in Salesforce.** (This is not applicable in case of **Cassandra DB**). The value of *do_sync_flag* & the description is shown in the below table.

- When Salesforce to Database replication is successfully completed, *do_sync_flag* for all the records in the database will be 'Y'.

- If the data is edited / updated in database, it is required to edit / update the same in Salesforce too. To do this *do_sync_flag* value must be changed to 'S' along with the necessary changes to the records in database. After the replication (DB to Source) all these changes will reflect in Salesforce.
  Example: Account sForce in Salesforce does not have Type which is already replicated in database. If the type is updated as 'Customer – Channel' in database, Salesforce must also be updated with the same. In order to update in Salesforce *do_sync_flag* value must be changed to 'S' and this must be saved before running the replication DB to Source. After successful run, Account sForce will have Type 'Customer - Channel'.

    1. Account sForce does not have Type in Salesforce.

    2. After replication (SF to DB), *do_sync_flag* value for sForce Account is 'Y' and sfType is 'NULL'.

    3. sfType for sForce is manually updated as 'Customer – Channel' in database and then *do_sync_flag* is manually updated as 'S'.

    4. After running Replication (DB to Source), sForce Account in Salesforce is updated with the Type 'Customer – Channel'.

- If the data is deleted in Salesforce after replication (Source to DB), when the replication (Source to DB) is run for the next time, *do_sync_flag* value changes to 'D'.
  Example: Account 'Pyramid Construction Inc.' is deleted in Salesforce which is already replicated in database. Account Pyramid Construction Inc. data is already available in database with *do_sync_flag* value 'Y'. When the Source to DB replication is done for the next time, *do_sync_flag* value changes to 'D' by itself. This signifies that Account 'Pyramid Construction Inc.' does not exist in Salesforce.

    1. After Replication (Source to DB), *do_sync_flag* value is 'Y' for the account 'Pyramid Construction Inc.'

    2. Account 'Pyramid Construction Inc.' is deleted in Salesforce.

    3. After Replication (Source to DB), *do_sync_flag* value changes to 'D'.