

# Amazon Redshift

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## DBSync Cloud Replication (Salesforce with Amazon Redshift)

Most of the features of DBSync Replication will work the same irrespective of the database. The general process of Replication Salesforce to Database and Database to Salesforce is explained in the below links.

<http://help.mydbsync.com/docs/display/CloudReplication/4-Salesforce+to+Database>

<http://help.mydbsync.com/docs/display/CloudReplication/5-Database+to+Salesforce>

The functionality that is specific to Redshift database Replication is mentioned below.

### Update Database Schema:

- To generate schema in Redshift database, the user must have Permission to generate Schema in Redshift database.
- DBSync Cloud Replication Creates schema and Tables metadata if it does not exist in Redshift database.

### Salesforce to Database (Clean Copy):

- Clean Copy creates Schema and Tables if it does not exist in Target Database and insert records from Salesforce belongs to the Object selected.
- In Redshift 'NULL' Values in INSERT/UPDATE is not supported. So, the following default values will be updated for all the fields which contain 'NULL' values.

S.No	Type	Default Values
1	Timestamp/Date	1800-01-01 00:00:00
2	Decimal/Integer	-999
3	Others	Empty String

### Salesforce to Database (Incremental):

- Inserts or Updates records based on the Timestamp value in Redshift Database.
- In Redshift 'NULL' Values in INSERT/UPDATE is not supported. So, the following default values will be updated for all the fields which contain 'NULL' values.

S.No	Type	Default Values
1	Timestamp/Date	1800-01-01 00:00:00
2	Decimal/Integer	-999
3	Others	Empty String

### Database to Salesforce:

- While replicating from Redshift database to Salesforce, default values in Redshift database are removed.

S.No	Type	Default Values
1	Timestamp/Date	1800-01-01 00:00:00
2	Decimal/Integer	-999
3	Others	Empty String

## Amazon Redshift Database details in DBSync Replication Profile

The following details should be entered in DBSync Replication console. Connection can be tested by clicking on *Test Connection* button. Click on *Save* to save database details in your profile.

Please report any defects to [support@dbsync.com](#)

**dbsync** DBSync Cloud Replication 4.0

**Manage Profiles** ▶Run

Salesforce Details | **Database Details** | Salesforce Sync Object Details | Notifications | Advanced Settings | Scheduler

Database Username :

Database Password :

Database URL :

Type	Host	Port	Database	Schema(Redshift)
Redshift	27.251.16.1	3306	dbsync	dbschema

[Advanced Settings for File Download \(Beta Feature\)](#)

DBSync Version: 4.0.1.4 Copyrights @ 2014, All rights reserved by DBSync

**Database Username:** Amazon Redshift username

**Database Password:** Amazon Redshift Password

**Database URL:** Database URL will auto populate once you update the below details

**Type:** Redshift

**Host:** Redshift Hostname/IP Address  
(Ex: dbsync-replication.cc9kpgwxioda.us-east-1.redshift.amazonaws.com)

**Port:** Redshift Port Number (Ex: 5439)

**Database:** Redshift Master Database Name (Ex: dbsync)

**Schema(Redshift):**

- Redshift Schema Name (Ex: dbsyncctest)
- Schema name is dbsync by default. User can modify this field with existing schema name or new Schema name.
- Schema Name is mandatory for sync process.
- To Test Redshift Database connection, Schema Name is not required.
- Added Validation on Schema Name. User cannot save the Database Details without Schema Name.