

# 1-Introduction

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## Get Started with DBSync Cloud Replication

Explore our most popular service of Cloud Replication with quickstarts and tutorials.

DBSync Cloud Replication for source apps tool is used for replication and synchronization of data between source apps and different databases.

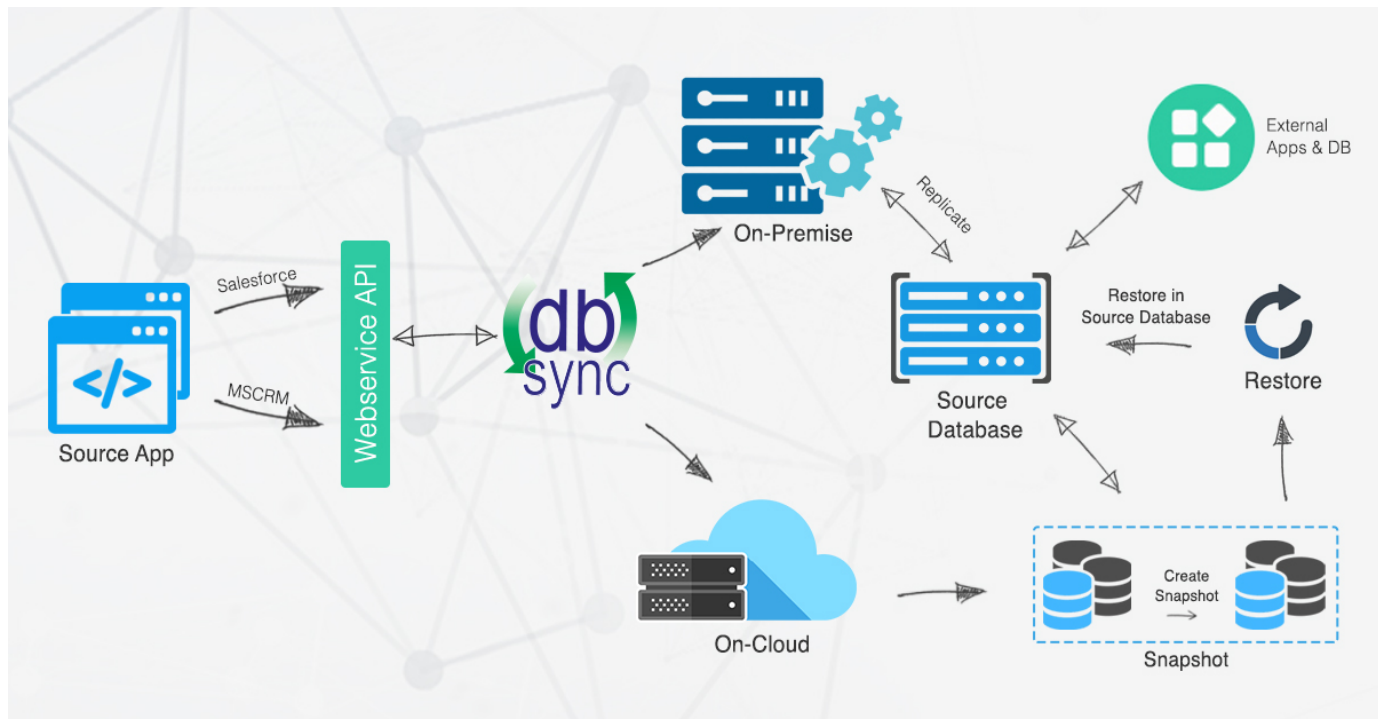
DBSync Replication is offering you to connect the source apps like Salesforce and Microsoft CRM with different database like **MySql, SQL Server, Oracle, DB2, PostgreSQL, Cassandra, Redshift, Sybase and MongoDB**.

DBSync is J2EE compliant and comes with pre-packaged **Apache Tomcat 9** Web server and **JRE 1.8**. The server is used for configuring the application and using Outbound Messages.

## Some of the main Application Tools

- Building Data Warehouse for Reporting or Data Mining
- Integration with ERP or back office applications
- Data Migration
- Offline data cleansing or manipulation and synchronization

## High-Level Architecture



## Key Components

DBSync Replication Key Components consists of all these functionalities.

<b>Profiles</b>	The profile is a configuration that provides connection information of your Source Apps and Database and stores configuration details. One can have multiple profiles to integrate multiple instances of Source Apps and Databases that are to be synchronized.
<b>Source Apps Details</b>	Source Apps details tab is where your Source Apps login details are stored. You can provide your Source Apps User Name, Password, and Environment you are connecting with. It also provides you an option of testing the connection with the given credentials.
<b>Database Details</b>	Database Details tab is to save and configure your Database connection string. It also provides you an option of testing the connection with the given details.
<b>Source Apps Sync Object Details</b>	Source Apps objects, including the custom objects and non-replicable objects. It provides the user to the option of filtering objects by criteria and selectively syncs objects by including or excluding fields.
<b>Notifications</b>	Notification allows you to configure the system to send sync notifications to the recipient email address and also create a sync process.
<b>Advanced Settings</b>	Allows non-replicable objects like AccountShare, LeadShare and so on. These are Source Apps objects that cannot be replicated. (Default behavior will ignore non-replicable objects during data sync).
<b>Snapshot (DBSync Cloud Replication )</b>	Snapshot allows you to create a snapshot of your database. Database Snapshot can be restored by the user at any time from their respective database profile.
<b>Scheduler</b>	Allows you to schedule the processes in profiles to run at desired intervals of time.

## Supported Versions

### Source Apps (Salesforce and Microsoft CRM)

- Developer Edition
- Enterprise Edition for On Cloud
- Enterprise Edition for On Premise

### Database

- SQL Server
- Oracle
- MySQL
- PostgreSQL
- [Apache Cassandra](#)
- DB2
- [Amazon Redshift](#)
- MongoDB