

Azure Synapse

- DBSync Cloud Replication (Salesforce with Azure Synapse)
- Azure Synapse Database details in DBSync Replication Profile
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DBSync Cloud Replication (Salesforce with Azure Synapse)

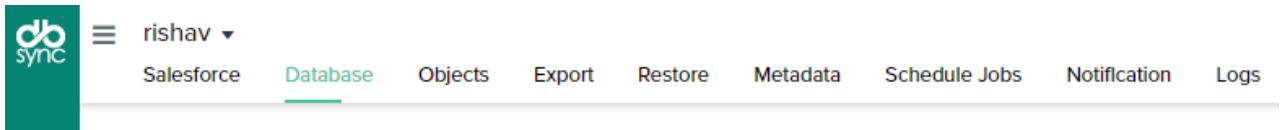
Most of the features of DBSync Replication will work the same irrespective of the database.

The general process of Replicating Salesforce to Database and Database to Salesforce is explained in the below links.

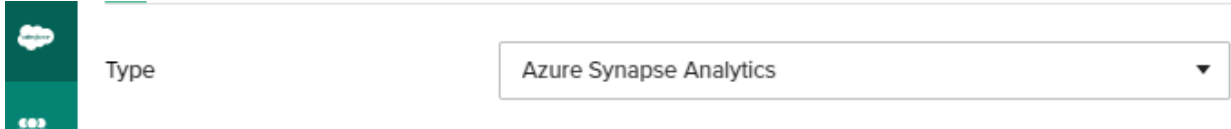
[Salesforce setup remains the same](#), to Start with the database setup tab, fill all the necessary details and follow the same procedure for testing and validating your database credentials.

Follow these steps to configure your database credentials

- **Select Database**



- **Select Azure Synapse Analytics as a destination.**



- **Enter the necessary connection properties. To connect to Azure Synapse, provide authentication properties (see below) and set the following properties to connect to a Azure Synapse database:**

Type	Azure Synapse Analytics	
Host	Host	Port Port
Username	User Name	
Password	
Database	Database Name	
Schema	dbo	
URL	jdbc:sqlserver://.;database=	
Enable Integrated Security	<input type="checkbox"/>	
Use Azure Blob	<input type="checkbox"/>	

Use with Azure Blob:

Enable Integrated Security	<input type="checkbox"/>
Use Azure Blob	<input checked="" type="checkbox"/>
Connection String	
Key <input type="button" value="Show"/>
Connection String <input type="button" value="Show"/>

Need Help? [Read Setup Guide](#)

To obtain optimal performance with replicating to Azure Synapse it is recommended for batch uploads using files, please refer to the link for more details

<https://learn.microsoft.com/en-us/azure/synapse-analytics/sql/best-practices-dedicated-sql-pool#group-insert-statements-into-batches>

Steps to obtain Azure Synapse SQL pool connection details:

- You can find login details by logging into the Azure portal and navigating to
 - Azure Synapse Analytics -> SQL Pool -> Select your database -> Select connection string

Mytest (mydemosyn/Mytest) | Connection strings



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ADO.NET JDBC ODBC PHP

ADO.NET (SQL authentication)

```
Server=tcp:mydemosyn.sql.azuresynapse.net,1433;Initial Catalog=Mytest;Persist Security Info=False;User ID=sqladminuser;Password={your_password};MultipleActiveResultSets=False;Encrypt=True;TrustServerCertificate=False;Connection Timeout=30;
```

ADO.NET (Active Directory password authentication)

```
Server=tcp:mydemosyn.sql.azuresynapse.net,1433;Initial Catalog=Mytest;Persist Security Info=False;User ID={your_username};Password={your_password};MultipleActiveResultSets=False;Encrypt=True;TrustServerCertificate=False;Authentication="Active Directory Password";
```

ADO.NET (Active Directory integrated authentication)

```
Server=tcp:mydemosyn.sql.azuresynapse.net,1433;Initial Catalog=Mytest;Persist Security Info=False;User ID={your_username};MultipleActiveResultSets=False;Encrypt=True;TrustServerCertificate=False;Authentication="Active Directory Integrated";
```

[Download ADO.NET driver for SQL server](#)

Steps to Get Access key and connection string for Using Azure Blob.

Step 1- Login to your Azure portal

Step 2- On the home screen select the Storage account From Azure services

Azure services



Step 3- Inside Storage accounts select the Desired storage you want to connect with

Home > **Storage accounts** | Default Directory (ldap.mydbsync.com)

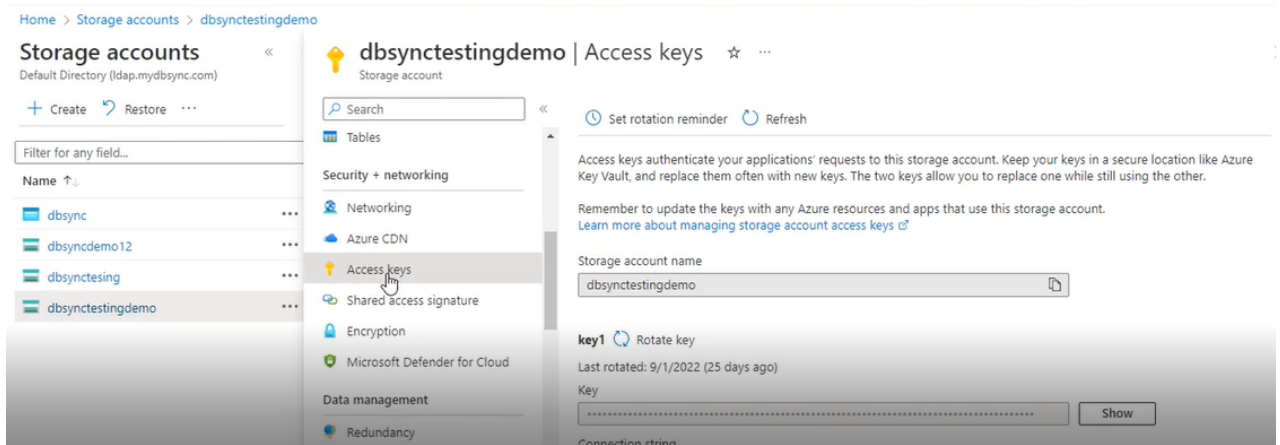
+ Create Restore Manage view Refresh Export to CSV Open query Assign tags Delete

Filter for any field... Subscription equals all Resource group equals all Location equals all Add filter

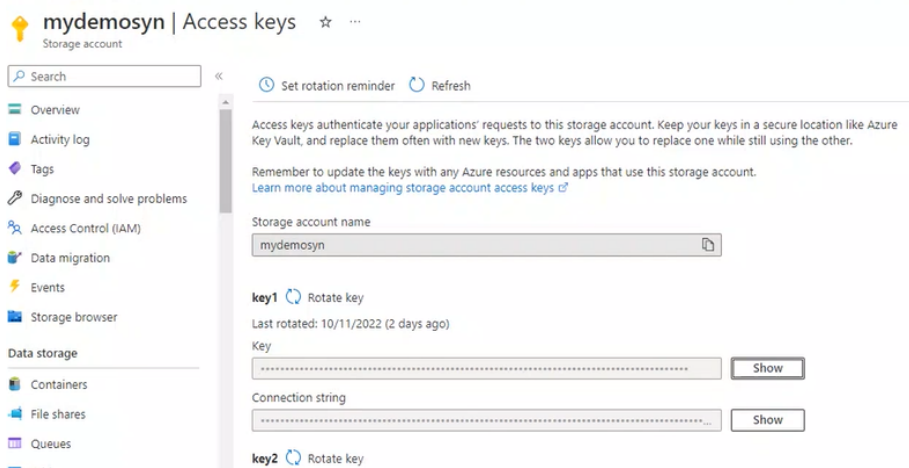
No grouping List view

Name	Type	Kind	Resource group	Location	Subscription
<input type="checkbox"/> dbsync	microsoft.classicstorage/stor...		Default-Storage-EastUS	East US	Visual Studio Premium with ...
<input type="checkbox"/> dbsyncdemo12	Storage account	StorageV2	dbsync-testing-RG	East US	Visual Studio Premium with ...
<input type="checkbox"/> dbsyncntesting	Storage account	StorageV2	dbsync-ldap	East US	Visual Studio Premium with ...
<input type="checkbox"/> dbsyncntestingdemo	Storage account	StorageV2	DB-Testing	East US	Visual Studio Premium with ...

Step 4- Inside the selected storage click on access key from left hand panel



Step 5 - Copy the Key and connection string and paste them to the Given space on DBSync Database connection page



DBSync Limitation(s)

With Azure Synapse as the target database, following functionalities are not yet supported.

1. Export
2. Restore
3. Metadata
4. History tracking