Azure Synapse

- DBSync Cloud Replication (Salesforce with Azure Synapse)
- Azure Synapse Database details in DBSync Replication Profile
 - Capacity limits for dedicated SQL pool in Azure Synapse Analytics
 - Known limitations

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.

-		
	Туре	Azure Synapse Analytics 🔹
<u></u>		

 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:

	Туре	Azure Synapse Analytics
8	Host	Host Port Port
)	Username	User Name
	Password	
	Database	Database Name
	Schema	dbo
	URL	jdbc:sqlserver://:;database=
	Enable Integrated Security	
	Use Azure Blob	

Use with Azure Blob:

Enable Integrated Security		
Use Azure Blob	✓	
Connection String		
Кеу		Show
Connection String		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

Home > Az	zure Synapse /	Analytics >	mydemosyn	SQL pools >	Mytest (myo	demosyn/Mytest)
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Mytest (mydemosyn Dedicated SQL pool	ı/Mytest) Connection strings	×
₽ Search «		
° Overview	ADO.NET JDBC ODBC PHP	
Activity log	ADO.NET (SQL authentication)	
Access control (IAM)	Server=tcp:mydemosyn.sql.azuresynapse.net,1433;Initial Catalog=Mytest;Persist Security Info=False;User ID=sqladminuser;Password=	
Tags	(your_password);MultipleActiveResultSets=False;Encrypt=True;TrustServerCertificate=False;Connection Timeout=30;	
Settings		D
💼 Workload management	ADO.NET (Active Directory password authentication)	
📴 Maintenance schedule	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	
🤗 Geo-backup policy		D
Ø Connection strings	ADO.NET (Active Directory integrated authentication)	-
Properties	Server=tcp:mvdemosyn.sql.azuresynapse.net,1433:Initial Catalog=Mvtest:Persist Security Info=False:User ID=	
🔒 Locks	(your_username);MultipleActiveResultSets=False;Encrypt=True;TrustServerCertificate=False;Authentication="Active Directory Integrated";	
Security		D
Auditing	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 service	s	_							
+			\$		٩	6	۲	2	\rightarrow
Create a resource	Storage accounts	Storage browser	Azure Synapse Analytics	All resources	Azure Active Directory	Cost Management	App Services	Help + support	More services

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

Home >						
Storage accounts 🖉 … Default Directory (Idap.mydbsync.com)						
+ Create $~$ $?$ Restore $~$ Manage view $~$ $~$ $~$ Ref	resh 🞍 Export to CSV 😚 Ope	n query 🖉 Assign tags	Delete			
Filter for any field Subscription equals all	Resource group equals all $ imes$	Location equals all $ imes$	+ Add filter			
				No grouping	✓	
Name 1	Toron A.	Wind A.				
	Type TU	Kind 14	Resource group ↑↓	Location ↑↓	Subscription ↑↓	
dbsync	iype +↓ microsoft.classicstorage/stor	Kina TŲ	Resource group ↑↓ Default-Storage-EastUS	Location ↑↓ East US	Subscription T↓ Visual Studio Premium with ···· •	
dbsync dbsyncdemo12	nicrosoft.classicstorage/stor Storage account	StorageV2	Resource group Ty Default-Storage-EastUS dbsync-testing-RG	East US	Subscription T ₄ Visual Studio Premium with ··· · Visual Studio Premium with ··· ·	
dbsync dbsyncdemo12 dbsynctesing	nype TQ microsoft.classicstorage/stor Storage account Storage account	storageV2 StorageV2	Resource group $\uparrow \downarrow$ Default-Storage-EastUS dbsync-testing-RG dbsync-Idap	Location Ty East US East US East US	Subscription 1. Visual Studio Premium with • Visual Studio Premium with • Visual Studio Premium with •	

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

Home > Storage accounts > dbsyn	ctestingdem	0	
Storage accounts Default Directory (Idap.mydbsync.com)	«	+ dbsynctestingdem	o Access keys ☆ …
+ Create 🏷 Restore …			O Set rotation reminder ℃ Refresh
Filter for any field		Tables A	Access keys authenticate your applications' requests to this storage account. Keen your keys in a secure location like Azure
Name 14		Security + networking	Key Vault, and replace them often with new keys. The two keys allow you to replace one while still using the other.
dbsync		Networking	Remember to update the keys with any Azure resources and apps that use this storage account.
dbsyncdemo12		 Azure CDN 	
dbsynctesing		+ Access keys	Storage account name
dbsynctestingdemo		Shared access signature	
		Encryption	key1 🗘 Rotate key
		Ø Microsoft Defender for Cloud	Last rotated: 9/1/2022 (25 days ago)
		Data management	Key
		Redundancy	Connection string

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

₽ Search	Set rotation reminder O Refresh	
Overview		
 Activity log 	Key Vault, and replace them often with new keys. The two	o keys allow you to replace one while still using the other.
Tags	Remember to update the keys with any Azure resources a	and apps that use this storage account.
Diagnose and solve problems	Learn more about managing storage account access keys	s C ²
Access Control (IAM)	Storage account name	
Data migration	mydemosyn	۵.
Events	key1 🔾 Rotate key	
Storage browser	Last rotated: 10/11/2022 (2 days ago)	
ata storage	Key	
Containers		Show
Containers	Connection string	
File shares		Show

DBSync Limitation(s)

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

- Export
 Restore
 Metadata
- 4. History tracking