

# Creating Managing from Azure Portal

Last updated by | Lisa Liu | Nov 6, 2020 at 10:35 AM PST

## Creating Managing from Azure Portal

Monday, December 3, 2018

12:22 PM

Source: <https://docs.microsoft.com/en-us/azure/postgresql/howto-read-replicas-portal>

How to create and manage read replicas in the Azure portal

In this article, you will learn how to create and manage read replicas in the Azure Database for PostgreSQL service using the Azure portal. To learn more about read replicas, [read the concepts documentation](#)

### Prerequisites

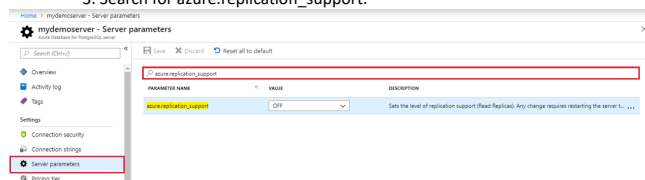
- An [Azure Database for PostgreSQL server](#) that will be the master server.

### Prepare the master server

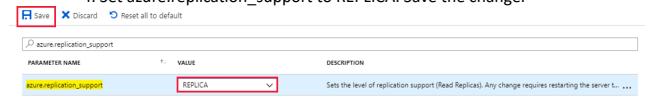
This master preparation step applies to General Purpose and Memory Optimized servers only.

The `azure.replication_support` parameter must be set to `REPLICA` on the master server. Changing this parameter requires a server restart to take effect.

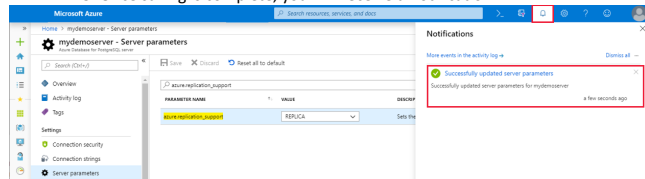
1. In the Azure portal, select the existing Azure Database for PostgreSQL server that you want to use as a master.
2. Select Server Parameters from the menu on the left.
3. Search for `azure.replication_support`.



4. Set `azure.replication_support` to `REPLICA`. Save the change.



5. Once saving is complete, you will receive a notification.



6. Restart the server to apply the change after it is saved. See [the restart documentation](#) to learn how to restart a server.

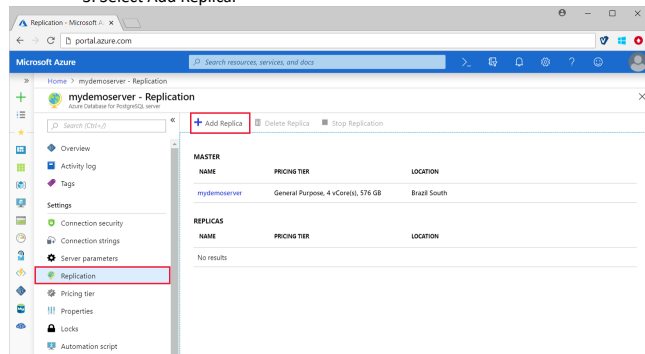
### Create a read replica

Read replicas can be created using the following steps:

1. Select the existing Azure Database for PostgreSQL server that you want to use as a master.
2. Select Replication from the menu, under SETTINGS.

If you haven't set `azure.replication_support` to `REPLICA` on the General Purpose or Memory Optimized master and restarted the server, you will see a message instructing you to do so. Do so before

3. Select Add Replica.



4. Enter a name for the replica server and select OK to confirm the creation of the replica.

Home > mydemoserver - Replication > PostgreS

PostgreSQL server

\* Server name

mydemoserver-replica

Location

Brazil South

\* Pricing tier

General Purpose, 4 vCore(s), 576 ...

Monthly cost

OK

Automation options

**Important**  
Read replicas are created with the same server configuration as the master. After a replica has been created, the pricing tier (except to and from Basic), compute generation, vCores, storage, and backup rete independently from the master server.

**Important**  
Before a master's server configuration is updated to new values, the replicas' configuration should be updated to equal or greater values. Attempting to do otherwise will cause an error. This ensures that the changes made to the master.

Once the replica server has been created, it can be viewed from the Replication window.

mydemoserver - Replication

Search (Ctrl+F)

+ Add Replica

Delete Replica

Stop Replication

Overview

Activity log

Tags

Settings

Connection security

Connection strings

Server parameters

Replication

MASTER		
NAME	PRICING TIER	LOCATION
mydemoserver	General Purpose, 4 vCore(s), 576 GB	Brazil South

REPLICAS		
NAME	PRICING TIER	LOCATION
mydemoserver-replica	General Purpose, 4 vCore(s), 576 GB	Brazil South

Stop replication

**Important**  
Stopping replication to a server is irreversible. Once replication has stopped between a master and replica, it cannot be undone. The replica server then becomes a standalone server and now supports both made into a replica again.

To stop replication between a master and a replica from the Azure portal, use the following steps:

1. In the Azure portal, select your master Azure Database for PostgreSQL server.
2. Select Replication from the menu, under SETTINGS.
3. Select the replica server you wish to stop replication for.

+ Add Replica

Delete Replica

Stop Replication

MASTER		
NAME	PRICING TIER	LOCATION
mydemoserver	General Purpose, 4 vCore(s), 576 GB	Brazil South

REPLICAS		
NAME	PRICING TIER	LOCATION
mydemoserver-replica2	General Purpose, 4 vCore(s), 576 GB	Brazil South
mydemoserver-replica	General Purpose, 4 vCore(s), 576 GB	Brazil South

4. Select Stop replication.

+

Add Replica

🗑

Delete Replica

■

Stop Replication

MASTER		
NAME	PRICING TIER	LOCATION
mydemosever	General Purpose, 4 vCore(s), 576 GB	Brazil South

REPLICAS		
NAME	PRICING TIER	LOCATION
mydemosever-replica2	General Purpose, 4 vCore(s), 576 GB	Brazil South
mydemosever-replica	General Purpose, 4 vCore(s), 576 GB	Brazil South

5. Confirm you want to stop replication by clicking OK.

+

Add Replica

🗑

Delete Replica

■

Stop Replication

Stop Replication

Stopping replication to mydemosever-replica is irreversible. The action you're about to take can't be undone. Going further will remove replication between this replica and the master.

mydemosever-replica will become a standalone server.

OK

Cancel

mydemosever-replica	General Purpose, 4 vCore(s), 576 GB	Brazil South
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Delete a master

Important

Deleting a master server stops replication to all replica servers. Replica servers become standalone servers that now support both read and writes. Deleting a master follows the same steps as for a standalone server. To delete a server from the Azure portal, do the following:

1. In the Azure portal, select your master Azure Database for PostgreSQL server.
2. From the Overview, select Delete.

Home > mydemosever

mydemosever

your database for PostgreSQL server

🔍 Search (Ctrl+J)

🏠 Overview

📋 Activity log

🏷 Tags

⚙ Settings

🔒 Connection security

📄 Connection strings

⚙ Server parameters

Reset password

🔄 Restore

🗑 Delete

Essentials

Resource group

myresourcegroup

Status

Available

Location

Brazil South

Subscription name

mysubscription

Subscription ID

Server name

mydemosever.postgres.database.azure.com

Server admin login name

myadmin@mydemosever

PostgreSQL version

10

Performance configuration

General Purpose, 4 vCore(s), 576 GB

SSL enforce status

ENABLED

3. Type the name of the master server and select Delete to confirm deletion of the master server.

Are you sure you want to delete mydemosever?

⚠

Warning! Deleting mydemosever is irreversible. The action you're about to take can't be undone. Going further will delete it and all the items in it permanently.

TYPE THE AZURE DATABASE FOR POSTGRES SQL SERVER NAME

mydemosever

Affected items

REPLICAS TO BE PROMOTED TO STANDALONE

mydemosever-replica2

mydemosever-replica

DATABASE TO BE REMOVED

postgres

azure\_maintenance

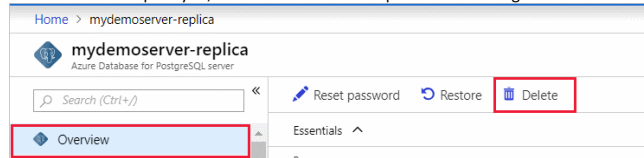
azure\_sys

Delete

Cancel

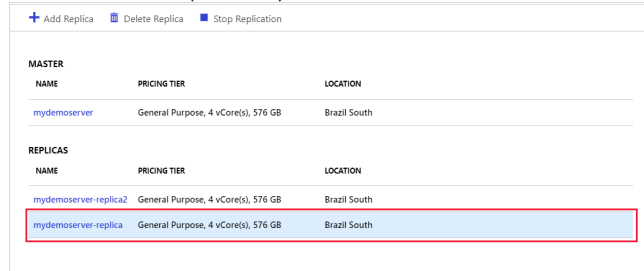
Delete a replica

To delete a read replica you, can follow the same steps as with deleting a master server above. First open the Overview page of the replica then select Delete.

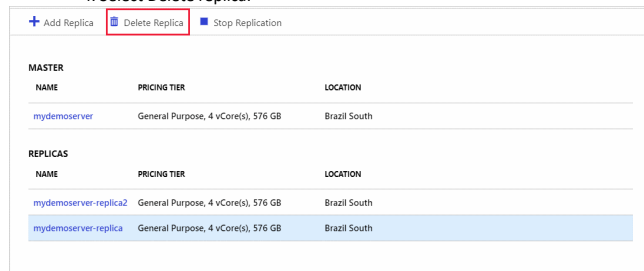


Alternatively, you can delete it from the Replication window.

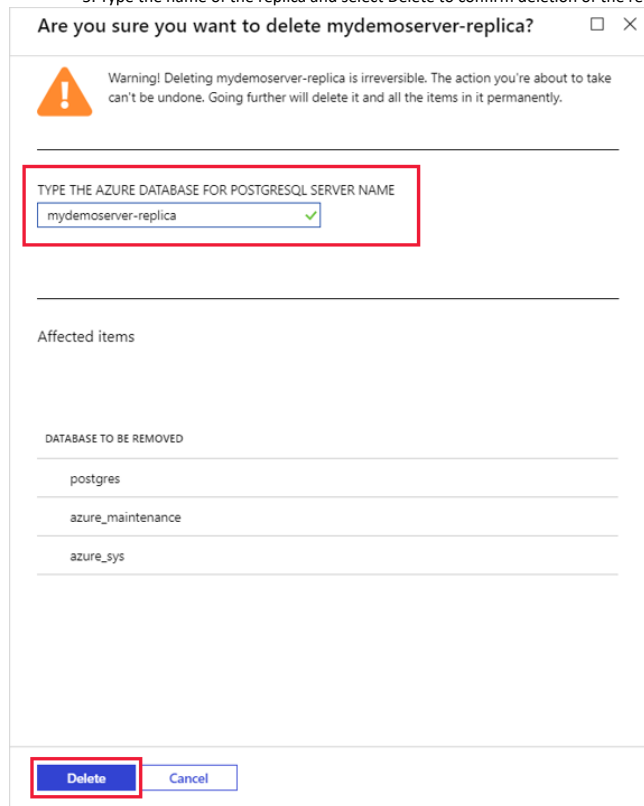
1. In the Azure portal, select your master Azure Database for PostgreSQL server.
2. Select Replication from the menu, under SETTINGS.
3. Select the replica server you wish to delete.



#### 4. Select Delete replica.



#### 5. Type the name of the replica and select Delete to confirm deletion of the replica.



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How good have you found this content?

