Creating Managing from Azure Portal

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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 documentatior

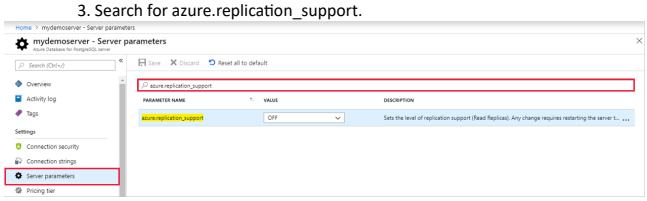
Prerequisites

- An Azure Database for PostgreSQL server that will be the master server.

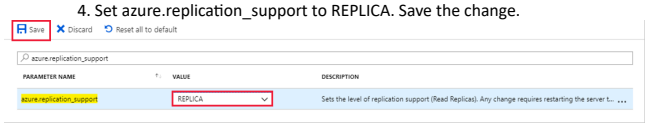
Prepare the master server

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.

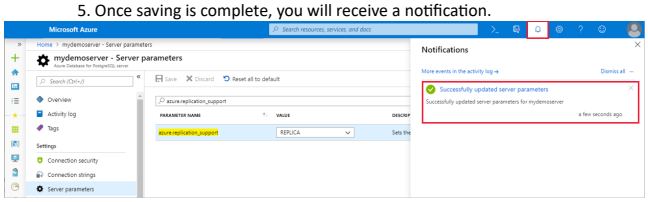
1. In the Azure portal, select the existing Azure Database for PostgreSQL server that you want to use as a master.
2. Select Server Parameters from the menu on the left.
3. Search for azure.replication_support.



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



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

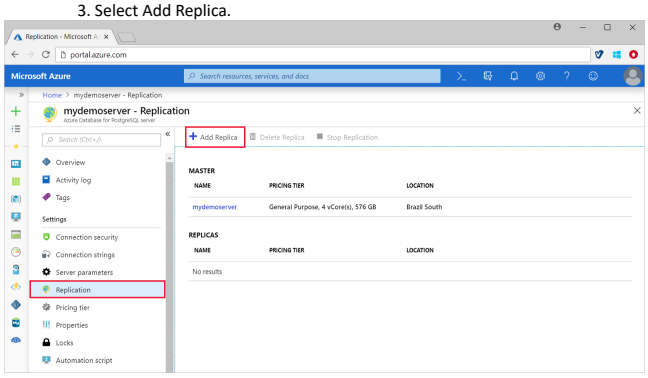


6. Restart the server to apply the change after it is saved. See the restart documentation to learn how to restart a server.

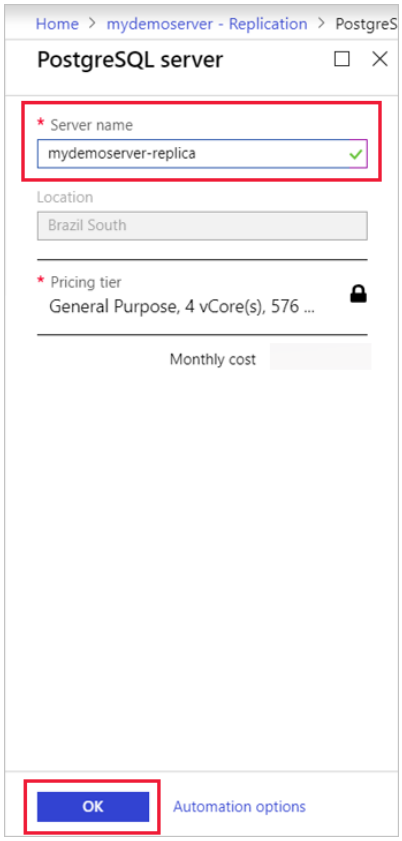
Create a read replica

Read replicas can be created using the following steps:

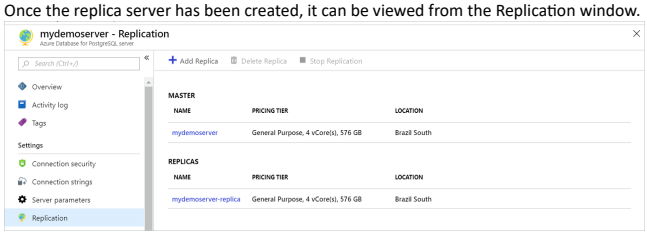
1. Select the existing Azure Database for PostgreSQL server that you want to use as a master.
2. Select Replication from the menu, under SETTINGS.
   If you haven't set azure.replication_support to REPLICA on the General Purpose or Memory Optimized master and restarted the server, you will see a message instructing you to do so. Do so befo
3. Select Add Replica.



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



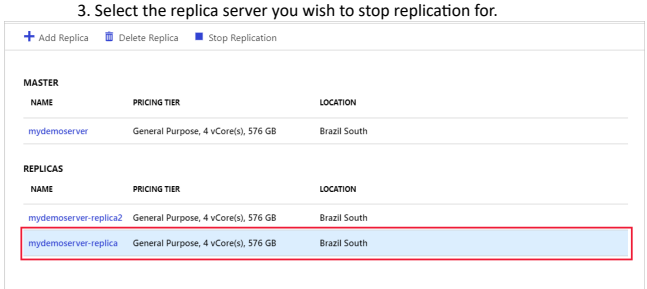
Important
Read replicas are created with the same server configuration as the master. After a replica has been created, the pricing tier (except to and from Basic), compute generation, vCores, storage, and backup rete independently from the master server.
Important
Before a master's server configuration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



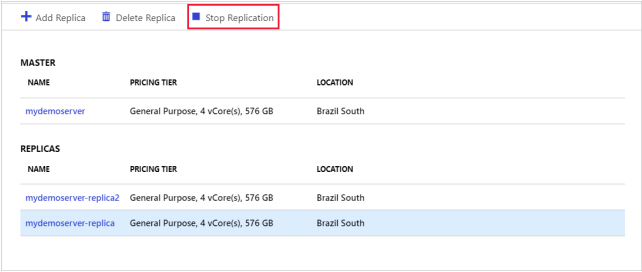
Stop replication

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:

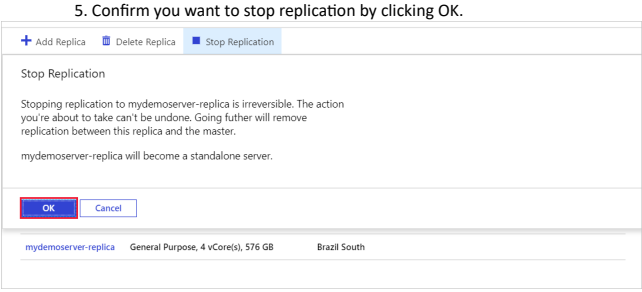
1. In the Azure portal, select your master Azure Database for PostgreSQL server.
2. Select Replication from the menu, under SETTINGS.
3. Select the replica server you wish to stop replication for.



4. Select Stop replication.



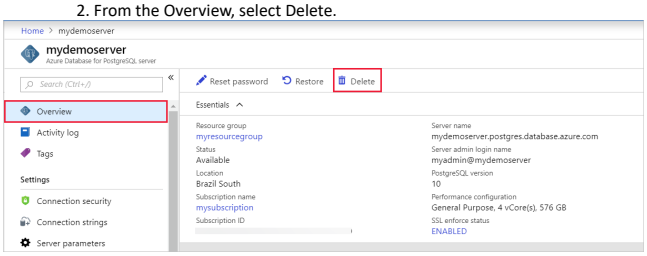
5. Confirm you want to stop replication by clicking OK.



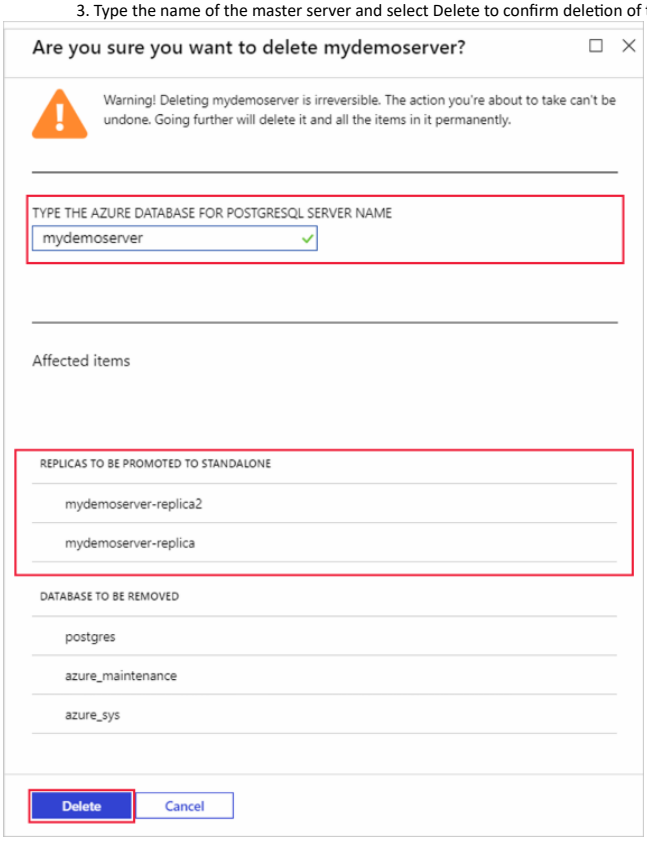
Delete a master

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 standalon 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.

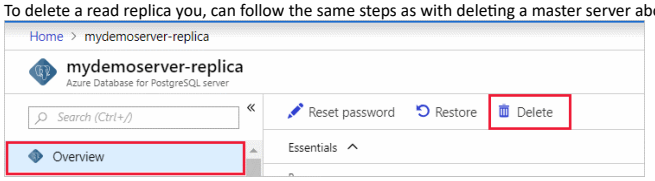


3. Type the name of the master server and select Delete to confirm deletion of the master server.



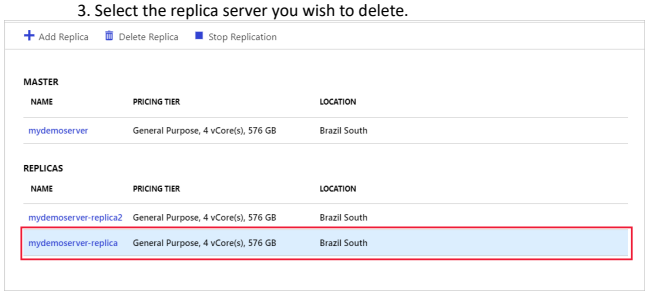
Delete a replica

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.

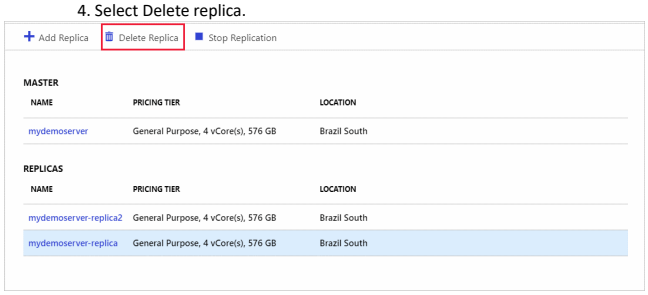


Alternatively, you can delete it from the Replication window.

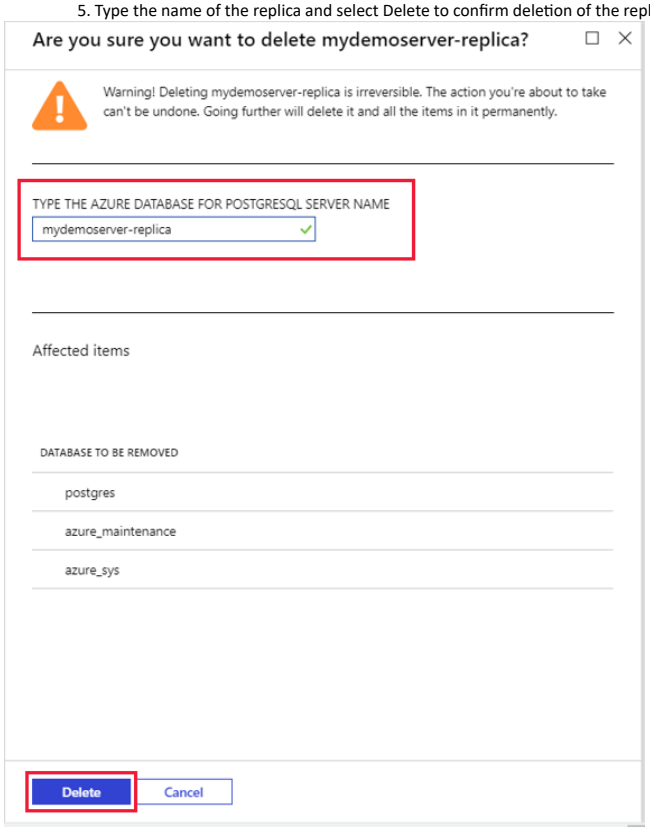
1. In the Azure portal, select your master Azure Database for PostgreSQL server.
2. Select Replication from the menu, under SETTINGS.
3. Select the replica server you wish to delete.



4. Select Delete replica.



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



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