

GeoDR - Create Active Geo-replication across subscriptions

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This option is not available using portal.

Scenario

Create geo replication across subscriptions

Note2: This script allows for the use of

geo-replication with SQL DB users in multiple subscriptions. We already had cases where customer wanted to use AAD users instead, and this script alone will not allow them to do so. There are several other variables and conditions that customers would have to go through in order to make this work. At this point it is not clear what is the supportability of this workaround. Please contact your TA before proceeding with the application of this option.

Steps

Permissions required - A login that is DBManager on the primary, have db_ownership of the local database that you will geo-replicate, and be DBManager on the partner server(s) to which you will configure Geo-Replication. Using the Azure portal, add the required firewall rules at the server level.

Steps to be done on the Primary server

1. Create a new login on the primary server with the scripts as below.

In Master DB –

1. Create login [GeoUser] with Password = 'Your Password here'
2. Create user [GeoUser] for login [GeoUser]
3. `sp_addrolemember 'DBManager','GeoUser'`

2. On the primary database, create user with DB owner permission by executing the below scripts –

Create user [GeoUser] for login [GeoUser]

```
EXEC sp_addrolemember 'db_owner', 'GeoUser';
```

3. Find the SID for the newly created user

```
select name, sid, createdate from sys.sysusers
```

Steps to be done on the Secondary server where we have to create a copy of database-

1. Create the same login created on the primary server using the below scripts. However please note that this time we need to create the login with the same SID as on primary server. Use the SID from step 3 above.

In the master DB, please run the following scripts

1. Create login [GeoUser] with Password='Your Password here', SID=Your Primary server's login's SID here
2. Create user [GeoUser] for login [GeoUser]
3. sp_addrolemember 'DBManager', 'GeoUser'

Geo-replication creation script to be run on primary master DB as GeoUser

```
ALTER DATABASE <MyDB>  
ADD SECONDARY ON SERVER <MySecondaryServer2> WITH (ALLOW_CONNECTIONS = ALL);
```

How good have you found this content?

