

Login creation on geosecondary

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Issue

When customer uses SQL authentication with non-contained users, when connecting to the geo secondary he might face see the error 18456 state 38.

Investigation/Analysis


This means that the we have a SID mismatch. Check

https://supportability.visualstudio.com/AzureSQLDB/_wiki/wikis/AzureSQLDB.wiki/395329/Error-18456-State-38.

Geo replication uses the AG technology, meaning that the logins on master database are not replicated. When creating the logins on the secondary, the login SID must be the same between primary and secondary.

Mitigation

Recreate the logins on the master database (on the server where you have the geo secondary), using the same SID has the primary.


The customer can follow the public document <https://docs.microsoft.com/en-us/azure/azure-sql/database/active-geo-replication-security-configure> 

More Information

If the customer gets the error

Msg 40506, Level 16, State 1, Line 14 Specified SID is invalid for this version of SQL Server.

This should mean that he is trying to use the sqladmin login SID. This SID cannot be used.

Also note that, after creating the server, the sqladmin login cannot be changed and only one admin is allowed - <https://docs.microsoft.com/en-us/azure/azure-sql/database/logins-create-manage#existing-logins-and-user-accounts-after-creating-a-new-database> 

Root Cause Classification

Azure SQL/Connectivity/Login Errors/Other

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