

# GeoDR - Q & As

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- Will geo-replication work between public cloud and China cloud?

### Geo replication won't work cross Mooncake and public regions

- Method to check the zone of the primary replica. This is to troubleshoot the perf degradation due to the client proximity

This can be seen in Database Replica.xts. for example, the following represents a primary in AZ1. The HS part in the node name is the AZ, meaning HS1 -> AZ1.

DB_HS1.1	READY	PRIMARY
DB_HS1.2	READY	ACTIVE_SECONDARY
DB_HS3.3	READY	ACTIVE_SECONDARY
DB_HS3.0	READY	ACTIVE_SECONDARY

- Is there additional downtime caused by TTL when the failover happens?

CR get the IP of the new primary replica from WinFab and returns it to the client. If the CR in Zone 1 is down the replica CR in Zone 2 will be contacted (ATM will redirect) and the correct IP will be sent to the client. There should be no TTL related impact.

- Do we have telemetry to track the failovers?

Failover is the same as today. Whatever of telemetry you are using will be available.

- Is the traffic between two geo-replicated Azure SQL DB encrypted?

All connection to and from SQL DB are encrypted. You can find it here:

<https://docs.microsoft.com/en-us/azure/sql-database/sql-database-security-overview#encryption>

## How good have you found this content?

