

Geo secondary database cannot be opened

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Geo Secondary database -Cannot be Opened due to it's version.

Issue

The database '%1' cannot be opened because it is version %2. This server supports version %3 and earlier. A downgrade path is not supported.

Detection

Substitute the parameters and execute the below Kusto query:

```
let prServerName="fac19fs3bv"; // geo-primary server
let drServerName="r6q3avv17s"; // geo-secondary server
let dbName="Content_1017303";
cluster('SqlAzureWEU2').database('sqlazure1').MonDmDbHadrReplicaStates
| where LogicalServerName == drServerName and logical_database_name =~ dbName
| where is_primary_replica == 1 or is_forwarder == 1
//| where TIMESTAMP > ago(12h)
| summarize min(TIMESTAMP), max(TIMESTAMP) by role="Geo-Secondary", code_package_version, LogicalServerName, A
| union (
cluster('SqlAzureNEU2').database('sqlazure1').MonDmDbHadrReplicaStates
| where LogicalServerName == prServerName and logical_database_name =~ dbName
| where is_primary_replica == 1 or is_forwarder == 1
//| where TIMESTAMP > ago(12h)
| summarize min(TIMESTAMP), max(TIMESTAMP) by role="Geo-Primary", code_package_version, LogicalServerName, App
)
| order by min_TIMESTAMP asc
```

An example output:

role	code_package_version	LogicalServerName	AppName	ClusterName
Geo-Secondary	15.0.1000.233-WASDA3-e41e2ded	r6q3avv17s	b4f161041a64	tr603.westeuro
Geo-Primary	15.0.1100.504-WASDA3-e343aaaf	fac19fs3bv	ff31bb0a1386	tr267.northeur
Geo-Primary	15.0.1300.499-WASDA3-076dede1	fac19fs3bv	ff31bb0a1386	tr267.northeur
Geo-Secondary	15.0.1100.504-WASDA3-e343aaaf	r6q3avv17s	b4f161041a64	tr603.westeuro
Geo-Secondary	15.0.1100.504-WASDA3-e343aaaf	r6q3avv17s	a9f45f8bbb14	tr324.westeuro

While geo-secondary was at 15.0.1000 , geo-primary was upgraded from 15.0.1100 to 15.0.1300. Then, geo-secondary is upgraded to 15.0.1100. This indicates there was 2 version difference between geo-primary and geo-secondary between 06:52am and 07:32am. 2 version difference is not supported between geo-primary and geo-secondary.

Mitigation

Engage Engineering (GeoDR) to work with deployment team to fix the issue.

Classification

Root Cause Path

How good have you found this content?

