Seeding encountered a transient failure, state '108', retrying

Last updated by | Vitor Tomaz | Feb 24, 2023 at 3:31 AM PST

Contents

Issue

Customer faces seeding error 108 on error log like:

Error message details

```
Always On: DebugTraceVarArgs AR '[HADR] [Primary] operation on replicas [X]->[Y],
database [Z], remote endpoint [tcp://A.B.database.windows.net:5022;Server=[A];Database=[Z]],
source operation [F]: Seeding encountered a transient failure, state '108', retrying...'
```

or

```
Always On: DebugTraceVarArgs AR 'Seeding is canceled with cancelReason = 108'
```

Distributed AG can be seen as **DISCONNECTED** and **NOT_HEALTHY**

	DAG Name	is_distributed	Underlying AG	Role	Connected Status	Sync Status	Endpoint URL
1	DAG_db-prem-01	1	AG_db-prem-01	PRIMARY	CONNECTED	HEALTHY	tcp://10.14.0.4:5022
2	DAG_db-prem-01	1	mi43	SECONDARY	DISCONNECTED	NOT_HEALTHY	tcp://mi43.e7b0d5db2d92.database.windows.net:5022;Server=[mi43];Datab...
3	DAG_db-onprem-02	1	AG_db-onprem-02	PRIMARY	CONNECTED	HEALTHY	tcp://10.14.0.4:5022
4	DAG_db-onprem-02	1	mi43	SECONDARY	DISCONNECTED	NOT_HEALTHY	tcp://mi43.e7b0d5db2d92.database.windows.net:5022;Server=[mi43];Datab...
5	DAG_db-onprem-03	1	AG_db-onprem-03	PRIMARY	CONNECTED	HEALTHY	tcp://10.14.0.4:5022
6	DAG_db-onprem-03	1	mi43	SECONDARY	DISCONNECTED	NOT_HEALTHY	tcp://mi43.e7b0d5db2d92.database.windows.net:5022;Server=[mi43];Datab...
7	DAG_db-onprem-04	1	AG_db-onprem-04	PRIMARY	CONNECTED	HEALTHY	tcp://10.14.0.4:5022
8	DAG_db-onprem-04	1	mi43	SECONDARY	DISCONNECTED	NOT_HEALTHY	tcp://mi43.e7b0d5db2d92.database.windows.net:5022;Server=[mi43];Datab...

Investigation/Analysis

Confirm connectivity is still ok, both 5022 and 11000-11999 ports need to be reachable from SQL Server.

You can use the steps available in How-to test failover group connectivity between primary and secondary SQL Managed Instances ⧉ to test connectivity from SQL Server to Azure SQL MI.

Note that SQL MI does not need to reach SQL Server on 11k range.

Here's an example where 11k range is not reachable:

	step_name	TcpTestResult	RemoteAddressResult	run_status	run_duration	message
1	Test Port 5022	TcpTestSucceeded : True.	RemoteAddress : 10.44.1.254	1	4	Executed as
2	Test HADR Port	TcpTestSucceeded : False.	RemoteAddress : 10.44.1.4	1	30	Executed as

Mitigation

Fix the connectivity between SQL Server and SQL Managed Instance.

Public Doc Reference

- Test bidirectional network connectivity ⧉

Root Cause Classification

Cases resolved by this TSG should be coded to the following root cause:
Root Cause: Azure SQL v3\Surface Area\Managed Instance Link

How good have you found this content?

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