

# [SQL DB]The specified network name is no longer available

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## Issue

As you know SQL is an important connector \ activity in ADF. We have stored procedure activity which is one of top activities in our service.

Many CRIs report this error "The specified network name is no longer available." . Our compute and customer Azure SQL are all in same region.

## Suggestion

The error is quite generic and can be caused by anything in the network stack between ADF host and the database. To rule out the database, you could open an incident with specifics including error timestamps, to see if there were any database failovers or other issues at that time. You can also use SQL Troubleshooter in ASC yourself to run a report against affected database, that may give you an answer faster.

1. Start at <https://aka.ms/azuresupportcenter> .
2. Enter the subscription Id for the database you are interested in. You may need a separate permission to do this, let me know if you need more info on how to get this.
3. Go to Tools, SQL Troubleshooter.
4. Create a report.
5. Once the report is ready, open it (the "eye" icon).
6. Look at the Downtime Reasons tab. Other tabs may provide useful data as well.

Yes, increasing connection timeout from the default to the recommended for Azure SQL will reduce the frequency of transient connectivity errors. Current connection timeout is already 30s, maybe let's change it to 60s.

Agree on implementing retry logic for connection failures, but not for execution failures. There is no guarantee that customer stored procedure is idempotent, and executing it again after it performed some work and failed in the middle could cause undesired results, including data corruption and data loss. You may consider adding an opt-in customer-settable option to retry procedure execution on transient errors, but the above needs to be clearly explained in documentation so customers make the right choice.

A stored procedure cannot execute without an open connection. If the connection that started execution is closed or terminated, procedure execution is canceled.

## How good have you found this content?

