

Check database unavailability

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How to check if an availability issue resolved?

Attempt to login to the failing server and database *with any random credentials* from a NON-SAW machine. (SAW machine firewalls cause pre-login errors if database is forced to redirection).

You should *NOT* get a Database Unavailable nor Login Timeout errors.

Firewall error or Bad Password (login failed to user 'blah') mean SQL Server is healthy. Examples:

Examples of Unhealthy/Unavailable responses

```
s:\DS_Main_2tfs>sqlcmd -S yjaij20em8.database.windows.net -U test -P test -d Content_274449
Sqlcmd: Error: Microsoft SQL Server Native Client 11.0 : Database 'Content_274449' on server 'yjaij20em8' is not currently available. Please retry the connection later. If the problem persists, contact customer support, and provide them the session tracing ID of '9B393905-9115-4AD9-A1CE-D7B3EFED6ECD'..
```

```
s:\DS_Main_2tfs>sqlcmd -S yjaij20em8.database.windows.net -U test -P test -d Content_274449
Sqlcmd: Error: Microsoft SQL Server Native Client 11.0 : TCP Provider: Timeout error [258]. . Sqlcmd: Error: Microsoft SQL Server Native Client 11.0 : Login timeout expired. Sqlcmd: Error: Microsoft SQL Server Native Client 11.0 : Unable to complete login process due to delay in login response.
```

```
s:\DS_Main_2tfs>sqlcmd -S yjaij20em8.database.windows.net -U test -P test -d Content_274449
Sqlcmd: Error: Microsoft SQL Server Native Client 11.0 : TCP Provider: Timeout error [258]. . Sqlcmd: Error: Microsoft SQL Server Native Client 11.0 : Login timeout expired. Sqlcmd: Error: Microsoft SQL Server Native Client 11.0 : Unable to complete login process due to delay in login response.
```

Examples of Available/Recovered responses (either firewall error or bad password)

```
s:\DS_Main_2tfs>sqlcmd -S yjaij20em8.database.windows.net -U test -P test -d Content_274449
Sqlcmd: Error: Microsoft SQL Server Native Client 11.0 : Cannot open server 'yjaij20em8' requested by the login. Client with IP address '131.107.174.18' is not allowed to access the server. To enable access, use the Windows Azure Management Portal or run sp_set_firewall_rule on the master database to create a firewall rule for this IP address or address range. It may take up to five minutes for this change to take effect..
```

```
C:\Users\joponceg>sqlcmd -S ea-uk-pm-dti-1.database.windows.net -U test -P test -d   r Coop
Sqlcmd: Error: Microsoft ODBC Driver 13 for SQL Server : Login to read-secondary failed due to long wait on 'HADR_DATABASE_WAIT_FOR_TRANSITION_TO_VERSIONING'. The replica is not available for login because row versions are missing for transactions that were in-flight when the replica was recycled. The issue can be resolved
```

by rolling back or committing the active transactions on the primary replica. Occurrences of this condition can be minimized by avoiding long write transactions on the primary.. <-- **here, the database is still unavailable due to a customer error, this is considered Healthy.**

How good have you found this content?

