





Error: Timeout expired. The timeout period elapsed prior to obtaining a connection from the pool

Last updated by | Patrick Brewer | Feb 8, 2023 at 12:10 PM PST





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Error Information

- **Error Message:** Timeout expired. The timeout period elapsed prior to obtaining a connection from the pool. This may have occurred because all pooled connections were in use and max pool size was reached.
- **Explanation:** This error message means that the client got the maximum capacity of connection pool slot or all where opened and there is not possible to find out one available.
- **Mitigation:**
 - Disabled the connection pooling. The connection will take some miliseconds more than connection pooling. [https://msdn.microsoft.com/en-us/library/8xx3tyca\(v=vs.110\).aspx](https://msdn.microsoft.com/en-us/library/8xx3tyca(v=vs.110).aspx) 
 - Increase the max connection pooling. In case that our customer got more than 300. My suggestion is to increase the number of instances of the application before increasing more connection pooling. [https://msdn.microsoft.com/en-us/library/system.data.sqlclient.sqlconnection.connectionstring\(v=vs.110\).aspx](https://msdn.microsoft.com/en-us/library/system.data.sqlclient.sqlconnection.connectionstring(v=vs.110).aspx) 
 - Review if our customer is leaving the connection opened after an error. There is normal, that after an application error if our customer didn't have a correct try..catch error handler could be possible that the connection could be opened. Azure SQL DB will close after 30 minutes of inactivity.
 - If we are able to perform a remote session, there is a several counters. [https://msdn.microsoft.com/en-us/library/ms254503\(v=vs.110\).aspx](https://msdn.microsoft.com/en-us/library/ms254503(v=vs.110).aspx)  that could helps.
 - If our customer needs to know the execution query and connection time, see the following URL: [https://msdn.microsoft.com/en-us/library/7h2ahss8\(v=vs.110\).aspx](https://msdn.microsoft.com/en-us/library/7h2ahss8(v=vs.110).aspx) 

Publicly Accessible References

- [https://msdn.microsoft.com/en-us/library/8xx3tyca\(v=vs.110\).aspx](https://msdn.microsoft.com/en-us/library/8xx3tyca(v=vs.110).aspx) 
- [https://msdn.microsoft.com/en-us/library/system.data.sqlclient.sqlconnection.connectionstring\(v=vs.110\).aspx](https://msdn.microsoft.com/en-us/library/system.data.sqlclient.sqlconnection.connectionstring(v=vs.110).aspx) 
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- <https://learn.microsoft.com/en-us/dotnet/framework/data/adonet/sql/provider-statistics-for-sql-server?redirectedfrom=MSDN> 

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3/24/23, 3:07 PM

Error: Timeout expired. The timeout period elapsed prior to obtaining a connection from the pool - Overview

