Error: 33155

Last updated by | Subbu Kandhaswamy | Sep 24, 2021 at 12:57 PM PDT

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Issue

"A disconnect event was raised when server is waiting for Federated Authentication token. This could be due to client close or server timeout expired."

Error 33155 state 1

This indicates that ADALSQL.DLL on client side is timing out waiting for token back from AAD.

This error typically happens when **client machine** cannot contact some of the endpoints/ports that are required to obtain AAD token, due to firewall or other networking restrictions.

Investigation/Analysis

For Password and Integrated Authentication the required endpoint, ports and protocol are as follows:

login.windows.net ⬈, HTTPS/443

For Universal with MFA the required endpoint, ports and protocol are as follows:

login.microsoftonline.com ⬈, HTTPS/443

secure.aadcdn.microsoftonline-p.com ⬈, HTTPS/443

On top of these endpoints, federated accounts require access to federation server (ADFS) that is customer specific.

To test AAD connectivity, customer may try following:

- Use telnet to check if endpoints and ports above are available:

  o Install telnet: *pkgmgr /iu:"TelnetClient"*

  o Check availability of endpoint: *telnet login.windows.net 443*

- Authenticate to AAD through [PowerShell AzureAD module](#):

  - o Install-Module AzureAD

  - o Connect-AzureAD

More Information

Some additional considerations:

How to setup client computers: [https://docs.microsoft.com/en-us/azure/sql-database/sql-database-aad-authentication-configure# configure-your-client-computers](https://docs.microsoft.com/en-us/azure/sql-database/sql-database-aad-authentication-configure#configure-your-client-computers)

Public Doc Reference

Blog on topic: https://blogs.msdn.microsoft.com/azuresqldbsupport/2016/08/17/timeout-and-adalgetaccesstoken-error-with-aad-connections/

Internal Reference

This may be related with
[Error code 0xCAA82EE2; state 10](#)

Classification

Root cause tree:

How good have you found this content?