SQL Tools complaining about missing adalsql.dll

Last updated by | Vitor Tomaz | Feb 18, 2021 at 2:30 AM PST

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Issue

User receive following error from client machine :

Error

*** Unable to load adalsql.dll (Authentication=ActiveDirectory<>). Error code: 0x2. For more information, see http://go.microsoft.com/fwlink/?LinkID=513072 ⧉

Solution:

You can perform the following checks to ensure your machine is correctly setup for the following:

Make sure you are using SQL Client driver 4.5 or above. Make sure you have adalsql.dll installed on your machine. It should be placed in C:\Windowssystem32 folder, or you can install ADALSQL msi for SQL Server from here: https://www.microsoft.com/en-us/download/details.aspx?id=48742 ⧉ For ADALSQL.DLL two binary versions X86 and X64 are available to download. If the wrong binary version is installed or if the DLL is missing, the driver will raise the above error. Make sure the registry settings for this are correct. Validate this for both x64 and x86.

```
HKLM\SOFTWARE\MICROSOFT\MSADALSQL\TargetDir = C:\WINDOWS\system32\adalsql.dll
```

Classification

Root cause Tree - Connectivity/AAD Issue/Other Client Configuration

How good have you found this content?