Custom DNS name (Alias) is not supported

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Issue

Basically we have two different usage for custom DNS

Using Custom DNS for the MI so it can access resources on the customer LAN

If that's the case the solution is fully describes here: https://docs.microsoft.com/en-us/azure/sql-database/sql-database-managed-instance-custom-dns

Using custom DNS name to access MI

Basically MI DNS name provided when creating the instance

For instance out shared MI name Is: azuresqlmi.1d65b50b5acd.database.windows.net which is accessible via internal VNET

And it's public endpoint is: azuresqlmi.public.1d65b50b5acd.database.windows.net

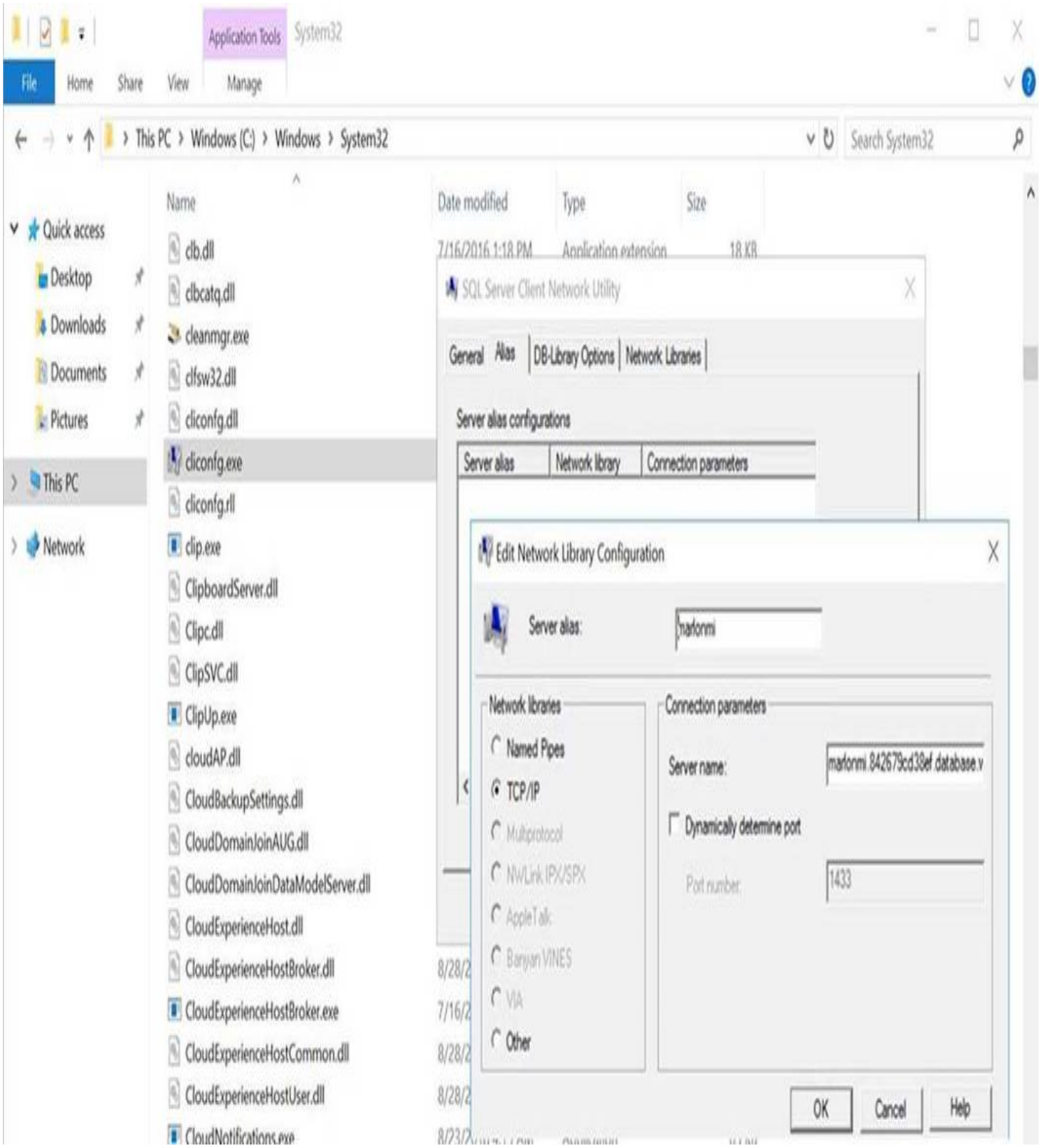
If customer wants to use different name I would first ask "why?" there should be strong justification to use another name and add another "point of failure" to his setup.

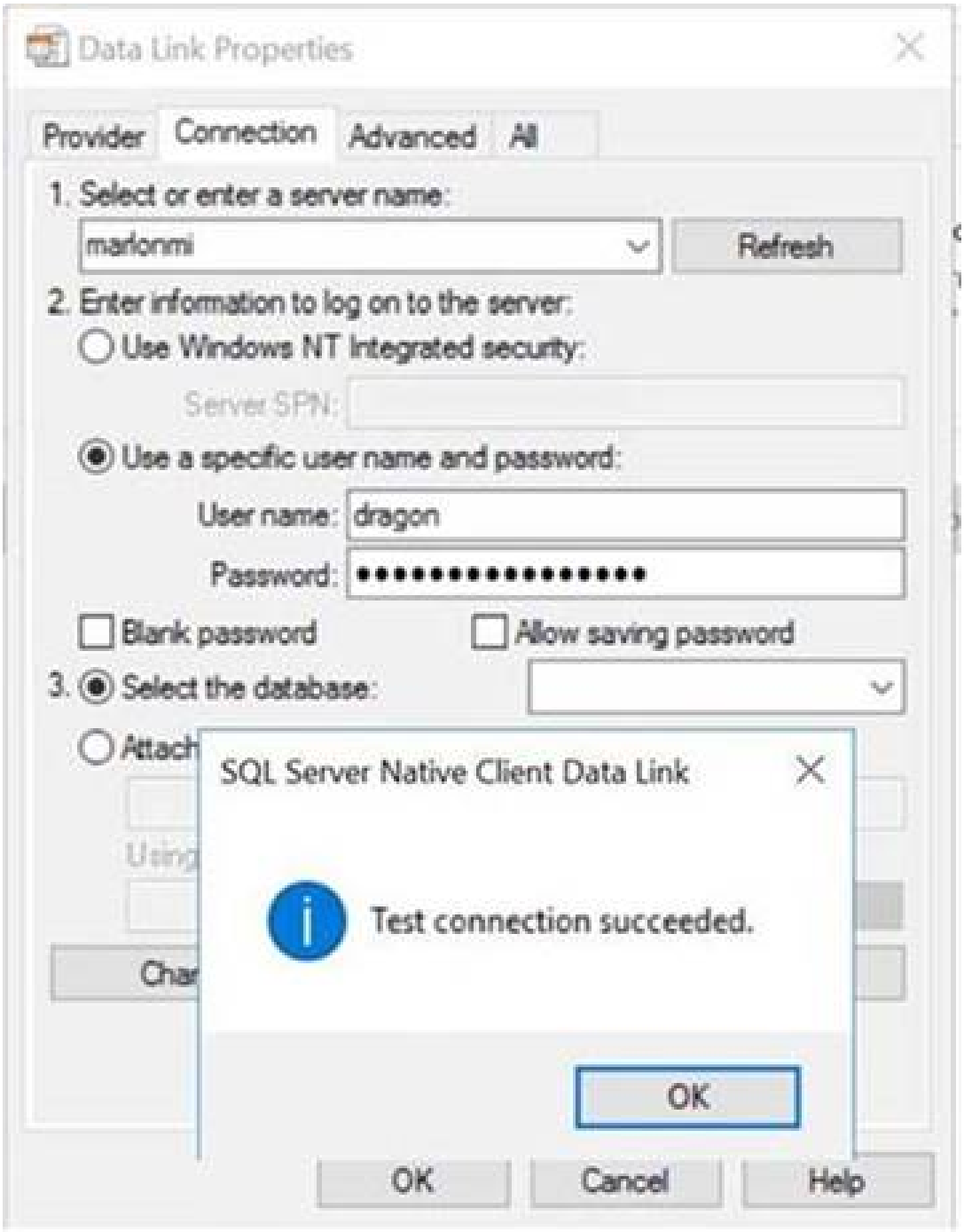
Investigation/Analysis

In any case this is not possible at the moment to create alias for the managed instance

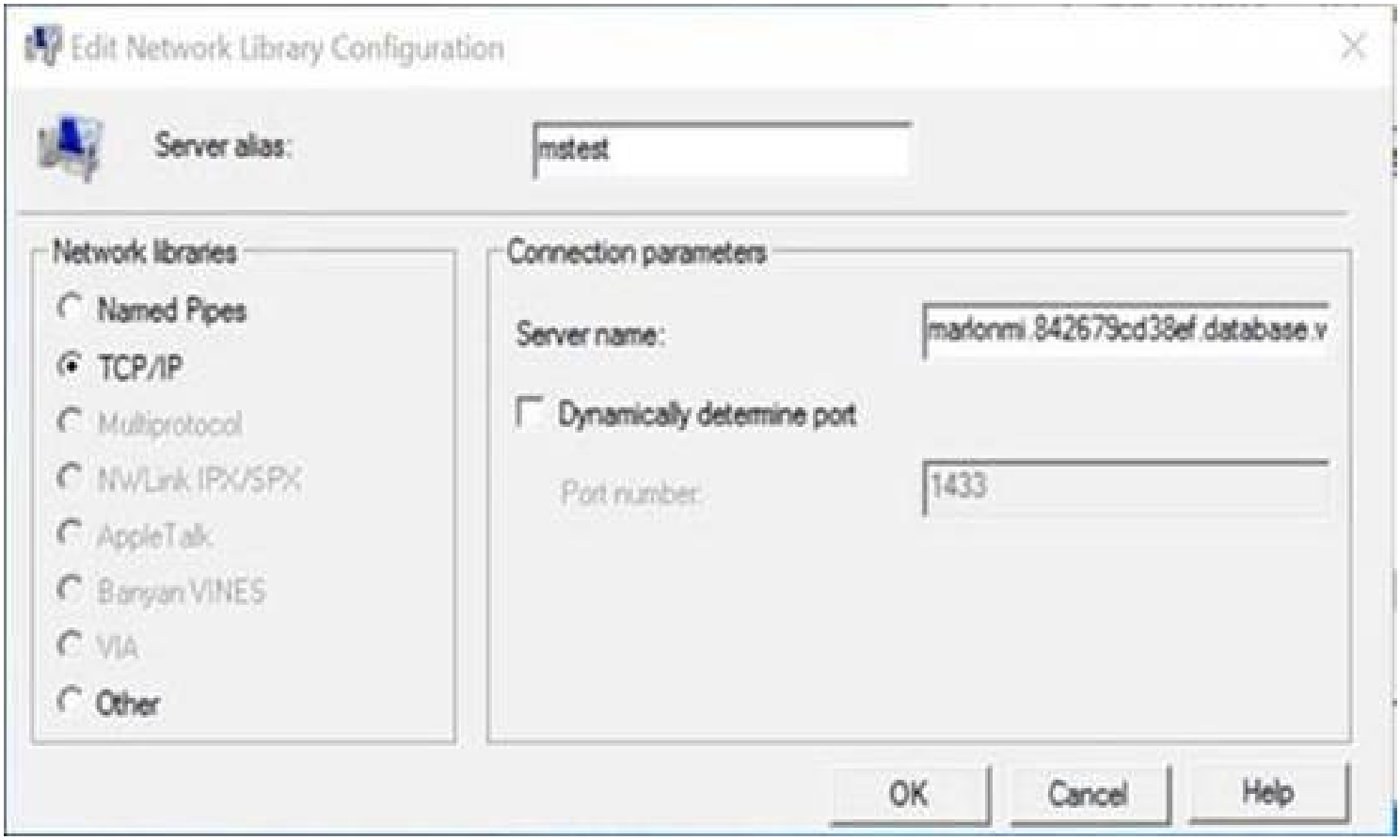
For Azure SQL DB you can create Alias using the following PS command New-AzSqlServerDnsAlias however this is not possible for MI.

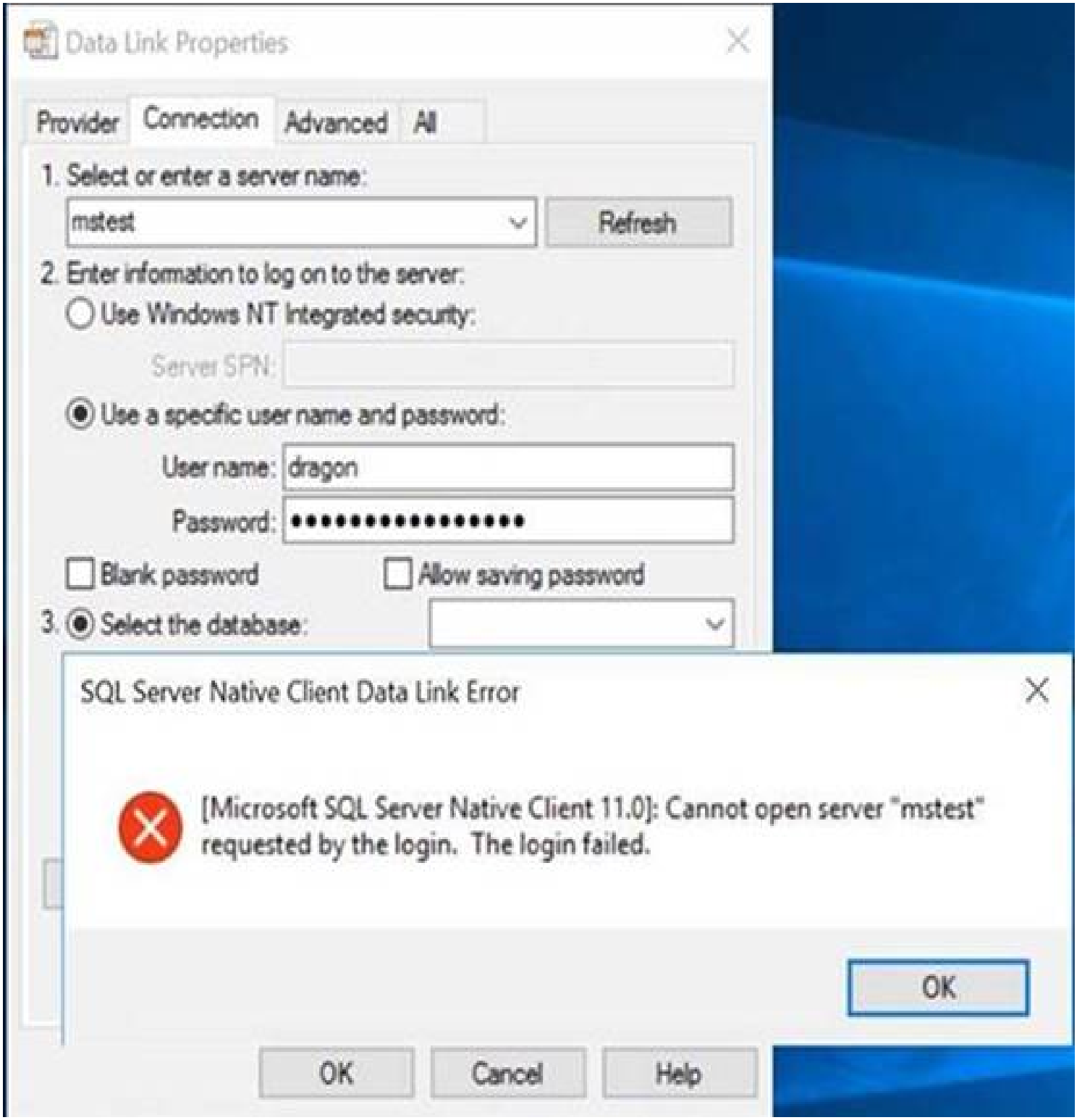
Using **CLIConfig** - this is possible as long as you are using the same server name as you MI name. (Thanks to Marian Zhang and Jose Manuel for providing this information and screenshots)


Application Tools
System32
File
Home
Share
View
Manage
This PC › Windows (C:) › Windows › System32
Search System32
Quick access
Desktop
Downloads
Documents
Pictures
This PC
Network
Name
Date modified
Type
Size
clb.dll
clbcatq.dll
cleanmgr.exe
cltfsw32.dll
cliconfg.dll
cliconfg.exe
cliconfg.rll
clip.exe
ClipboardServer.dll
Clipc.dll
ClipSVC.dll
ClipUp.exe
cloudAP.dll
CloudBackupSettings.dll
CloudDomainJoinAUG.dll
CloudDomainJoinDataModelServer.dll
CloudExperienceHost.dll
CloudExperienceHostBroker.dll
CloudExperienceHostBroker.exe
CloudExperienceHostCommon.dll
CloudExperienceHostUser.dll
CloudNotifications.exe
SQL Server Client Network Utility
General
Alias
DB-Library Options
Network Libraries
Server alias configurations
Server alias
Network library
Connection parameters
Edit Network Library Configuration
Server alias:
marlonmi
Network libraries
Named Pipes
TCP/IP
Multiprotocol
NWLink IPX/SPX
AppleTalk
Banyan VINES
VIA
Other
Connection parameters
Server name:
marlonmi.842679cd38ef.database.v
Dynamically determine port
Port number:
1433
OK
Cancel
Help



But when using another name is will not work:


Edit Network Library Configuration
Server alias:
mstest
Network libraries
Named Pipes
TCP/IP
Multiprotocol
NWLink IPX/SPX
AppleTalk
Banyan VINES
VIA
Other
Connection parameters
Server name:
marlonmi.842679cd38ef.database.v
Dynamically determine port
Port number:
1433
OK
Cancel
Help



RCA

Custom DNS name (Alias) is not supported at the moment.

Classification

Root cause tree:

How good have you found this content?