Error: A network-related or instance-specific error occurred while establishing a connection to SQL Server

Last updated by | Vitor Tomaz | Aug 5, 2020 at 12:34 PM PDT

A network-related or instance-specific error occurred while establishing a connection to SQL Server. The server was not found or was not accessible. Verify that the instance name is correct and that SQL Server is configured to allow remote connections. (provider: TCP Provider, error: 0 – Access is denied.)

When you enabled the SQL Auditing option you need to know that the connection will go instead of through to the endpoint <u>datacenter.control.database.windows.net</u> \square will go through another endpoint called <u>datasec-xxxxxx.cloudapp.net</u> \square (where xxxxxx is special format), see this example, taken using netsh.

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Source	Destination	Proto
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500, 76, 232, 3 500, 76, 232, 28	100.76.232.38 100.76.232.3	TOP
100,76,232,28	13.74.208.72	11.5
westeurope 1-a. control database, windows net: 13, 74, 206, 72	100, 76, 232, 28 100, 76, 232, 28	TOS
200,76,232,28	13.74.208.72	TLS
13.74.208.72	100.76.232.28	TLS
100,76,232,28	westeurope1-a control database.windovs.net	TOP
100,76,232,28	100.76.232.3	10965
100, 76, 232, 28	100.76.132.3	DNS
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Direct connection to the database.

Source	Deletination	Protocol Fine
100.76.232.3	100.76.232.28	D16
191, 207, 202, 75	100.76.230.28	TICP
194, 207, 202, 75	100.76.210.28	TICP
100, 75, 232, 28	191.237.232.75	TOP
100, 75, 232, 3	100.76.232.28	006
100, 78, 232, 28	datasec weur 2 x3.doudapp.net	TOP
100. 36. 232, 38	181.107.0.526	1109
datasec-eeu-3-a.l. doudage net	100.76.230.20	TOP
100, 76, 232, 29	detasec-weiu-3-a3udoudapp.net	- 102
100.75.232.28	datasec-wau-3-a3.doudapp.net	TOS
dataset weu-2-e3-doudage net	100.76-232.28	706
180, 76, 232, 28	datasec-weu-2-x3-doudapp.net	70.5
135, 107.0.125	100.76.232.28	ROPSCOR
180, 76, 232, 28	131.187.0.126	RDPBOGA.
distance-west-3-a3-doudapp.net	100.76.232.28	TL5
datasec weu-2-a3-doudage net	100.76.232.28	TOP
datasec-weu-2-a3-doudape.net	103.78-232.28	TOP
100.76.232.28	datasec-weu-d-vi3.doudapp.net	1009
180, 76, 232, 28	datasec-weu-3-e/Ldoudapp.net	TUS
fishese-west-3-a3-doudapp.net	100.76.232.28	- TLS
100, 76, 232, 28	datasec-weu-2-a3.doudapp.net	TOS
131, 107/0/125	100.76-232.28	- TOP
131.107.0.125	100.76-232.28	RDP9CSR.
131, 107,0,125	100.76.230.28	RDP9CGR
100, 75, 232, 28	131.187.0.125	102
distance -west-2-e3.doudepp.net	100.76.232.28	TICP
131-107-0-125	100.78.232.28	RDPSCGR.
100.76.232.39	131.107.0.125	RDPRCGR
100.76.232.28	131.187.0.126	RDPGCGR
HIO. 75, 232, 28	131.187.0.125	RDPBOGR
100, 78, 232, 28	133, 107, 0, 125	ROPECGA
100, 78, 232, 29	131.107.0.125	NDPSCGA.
190, 78-232, 28	131-107-0-125	RDPSCOR
100, 76, 292, 39	13/1.187/0.125	RDF9CSR.
100,76,230,28	131.187.0.126	ROPECCR
datasec-weu-3-e3.doudape.net	100 76 232 28	TOS

Connection using the SQL Auditing Endpoint

- If you have defined a restrictive firewall setting, you need to configure from your local applications to be able to connect to these endpoints could find the information in this URL ...
- If you don't have enabled this firewall rule, you could receive at the connection attempt the following error message trying to connect to your Azure SQL Database: A network-related or instance-specific error occurred while establishing a connection to SQL Server. The server was not found or was not accessible. Verify that the instance name is correct and that SQL Server is configured to allow remote connections. (provider: TCP Provider, error: 0 – Access is denied.)

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