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.

According to the	n file suppressed community	
Source	Destination	Proto
100,76,232,28	131.107.0.125	RDPBC
100,76,232.3	100.76.232.39	DMS
100,76,232,3	100.76.202.28	046
300, 76, 232, 28	westeurope 1-a cantrol database windows net	TOP
100, 75, 232, 28	131, 107,0, 125	RDPEC
westeurope I-e. control database, windows met	100.76.232.28	TOP
100, 76, 232, 28	westeurope I-e .control distabase windows.net	102
100, 76, 272, 28	westeurope t-a control database windows.net	TIDE
westeurope 1-a contrili database windows net	100 N. 202 N	TDS
100, 76, 232, 28	westeurope Lia control database windows net	11.5
viesteurope I ia control database, vindova net.	100.76, 232.28	71.5
viesteurope Ie. control detabase, vindova net	100.76.232.28	TOP
westeurope I-a. control.database, windows.net	100.76, 212.20	TOP
100, 76, 732, 28	westeurope t-a control database windows net	TOP
100.76.232.28	westeurope1-a control database windows net	TLS
viesteurope 2 is, control database, windows net	100.76.232.28	71.5
100, 78, 232, 28	westeurope 1-a control database windows net	TDS
100, 76, 232, 28	100.76.232.3	HTTP
100, 76, 232, 3	100.76.232.20	HITTE
100, 76, 212, 9	100.76.202.20	TOP
100, 76, 232, 28	100.76.332.3	TOP
100, 76, 232, 28	11.74.208.72	11.5
westeurope I-a. control database, windows net:	100.76.232.28	TDS
13.74.208.72	100.76, 232.28	TOP
500,76,232,28	11.74.208.72	78.5
13.74.308.72	100 7K 202 28	TLS
100.76,232.38	westeurope t-a control database windows net	TCP
200, 78, 232, 28	100.76.232.3	0965
100.76.232.28	100.76.232.3	DNS
100 76 757 78	11 74 708 77	TOTAL

Direct connection to the database.

Source	Dieletimations	Protocol Nav
100.76.232.3	100.76.232.28	046
191, 207, 202, 75	100.76.232.29	Tica
194, 207, 202, 75	100.76.230.28	TICP
100, 76, 232, 28	191 237 232 75	TICP
100, 75, 232, 3	100.76.232.28	DNS
100, 78, 232, 28	datasec weu 2 x3 doudapp net	100
100.36.232.38	181, 107, 0, 126	1109
datasec-wes-3-a3 doudage net	100.76.200.20	TICP
100.76.232.29	detaged even 3-a3 doudsop net	TOP
100.75.232.28	datasec -veu-3-e3 doudeop met	TOS
distance were 2 a3 douglape met	100.78.232.28	706
180, 76, 232, 28	datasectives / 2 x/3 /doudago / net	705
131, 107,0,125	100.76.230.28	RDP9008
190, 75, 212, 28	121, 107, 0, 125	ROPROGR
datasec-weiu-3-e3-doudepouvet	100.76.232.20	71.5
datases were 2 a3 doudage net	100.79.232.28	TCP
dataser-weu-2-a3-doudape.net	109.76-232.28	105
100.76.232.28	datasec-wey-3-x3-daudapp.net	1509
190, 76, 212, 29	datasec-weu-3-e/3-doudago net	TLS
datasec-web-3-a3.doudapo.net	100.76.232.28	TLS
190, 76, 232, 28	datasec-weu-2-a3.doudapp.net	TDS
131, 107/0.125	100.76.232.28	108
131, 107,0-125	100.78-212-28	RDP9CSR.
131, 107,0, 125	100.76.230.29	8069038
100, 75, 212, 28	121.107.0.125	TOP
distance meu-2-e3 doudepoinet	100.76.232.28	1902
133, 107, 0, 125	100.79.232.28	ROPECCA
100, 75, 232, 29	131, 107.0, 125	RDP9CGR
100, 36, 332, 39	131,187,0,126	RDP9CGR
100 75 212 28	131, 187, 0, 125	8099058
100, 75, 232, 28	133, 107, 0, 125	REPROCE
100, 25, 232, 29	131-107-0-125	RDPSCGR.
100, 76, 232, 28	131, 107, 0, 125	RDPSCOR
100, 76, 202, 28	13/1, 10/2, 0, 12/5	RDF9CGR
100.76.233.28	131, 107, 0, 125	RDP9058
datasec-seu-3-a3.doudapp.net	100.76.232.28	TDS

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.)

From < https://blogs.msdn.microsoft.com/azuresqlemea/?p=545&preview=true https://blogs.msdn.microsoft.com/azuresqlemea/?p=545&preview=true https://blogs.msdn.microsoft.com/azuresqlemea/?p=545&preview=true https://blogs.msdn.microsoft.com/azuresqu.microsoft.com/azure

How good have you found this content?



