

Error 40914 - Client is not allowed to access the server

Last updated by | Holger Linke | Mar 6, 2023 at 1:40 AM PST

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Issue

The client application is hosted in a subnet that has the `Microsoft.Sql` VNet endpoint enabled. When trying to connect to Azure SQL Database, it is failing with the following symptom:

Error 40914

Cannot open server 'servername' requested by the login. Client is not allowed to access the server.


Investigation / Analysis

The most likely cause is that the application is trying to connect from inside a VNet, but the Azure SQL Database server has no VNet firewall rule that grants access for the client's subnet.

If the subnet has the SQL endpoint enabled, the traffic will take an internal backbone route, and the Azure SQL Database recognizes this traffic as originating from a subnet in the customer's VNet. If the firewall doesn't have a VNet rule created, the connection will be blocked. It is essentially the same as a traditional firewall rule blocking an IP address that is not allowed. These errors will manifest as error 40914 or error 40532, state 150 in MonLogin on the sqlserver package.

This is the same issue as described as "Scenario 1" in article [Error 40532 State 150](#).

Mitigation

Add the VNet rule for the originating subnet in the portal's "Security -> Networking" section of the target SQL server. See [Use Azure portal to create a virtual network rule](#)  for the exact steps.

Also check the mitigation section for "Scenario 1" in article [Error 40532 State 150](#).

Public Doc Reference

- [Use virtual network service endpoints and rules for servers in Azure SQL Database](#) 

How good have you found this content?

