

# Cannot resolve Flexible server(with VNET integration) from peered VNET or onprem via VPN

Last updated by | Dandan Zhang | Jul 21, 2021 at 12:16 AM PDT

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
This is out-dated now!

## Issue

Postgres flexible server cannot be resolved when connecting from peered VNET or on-prem via VPN

Error: can't translate hostname "xxx" to address: unknown host


## Cause

Flexible server VNET integration only supports Azure DNS server. They will run into this issue when using custom DNS. This has been documented here: <https://docs.microsoft.com/en-us/azure/postgresql/flexible-server/concepts-networking#unsupported-virtual-network-scenarios> 

For peered VNET, we will have to support manually during preview phase via ICM.

## Mitigation

Connecting from Onprem:

- If customer uses custom DNS, customer will have to set up conditional DNS forwarder to forward Postgres domain to azure DNS for each DNS server. Refer to name resolution that uses your own DNS server to learn more. <https://docs.microsoft.com/en-us/azure/postgresql/flexible-server/concepts-networking#unsupported-virtual-network-scenarios>  We can engage network team if customer needs further help on setting up DNS forwarder.
- If customer uses Azure DNS, they will not run into this issue. Customer can consider using Azure DNS as workaround.

Connecting from peered network:

- If customer uses Azure DNS, please raise ICM to PG and they can link the peered VNET. Then Azure DNS will work.

- If customer uses custom DNS server and peered VNET, then we will need to engage PG to link the VNET, and they will need to set up conditional DNS forwarder as mentioned above.

The server DNS zone will be created in customer's subscription after GA, so that customer will be able to link peered VNET on their own.

Above applies to both MySQL and Postgres.

**How good have you found this content?**

