AZURE CLOUD (ENGLISH)

2. forduló

A kategória támogatója: MSCI

Ismertető a feladatlaphoz

Please make sure you read the instructions below before starting the worksheet:

> Rankings will be shown after the 4th round, in percentage form: you will be in the top 20-40-60% in a given category.
>
> Any questionnaire solved in a noticeably short time will be disqualified, in any other suspicious case we reserve the right to invalidate the round!

We wish you a good competition!

Relax, it's getting harder and harder. :)

This round will be about Azure DNS.

1. feladat 1 pont

Azure Private DNS supports which of the following scenarios?

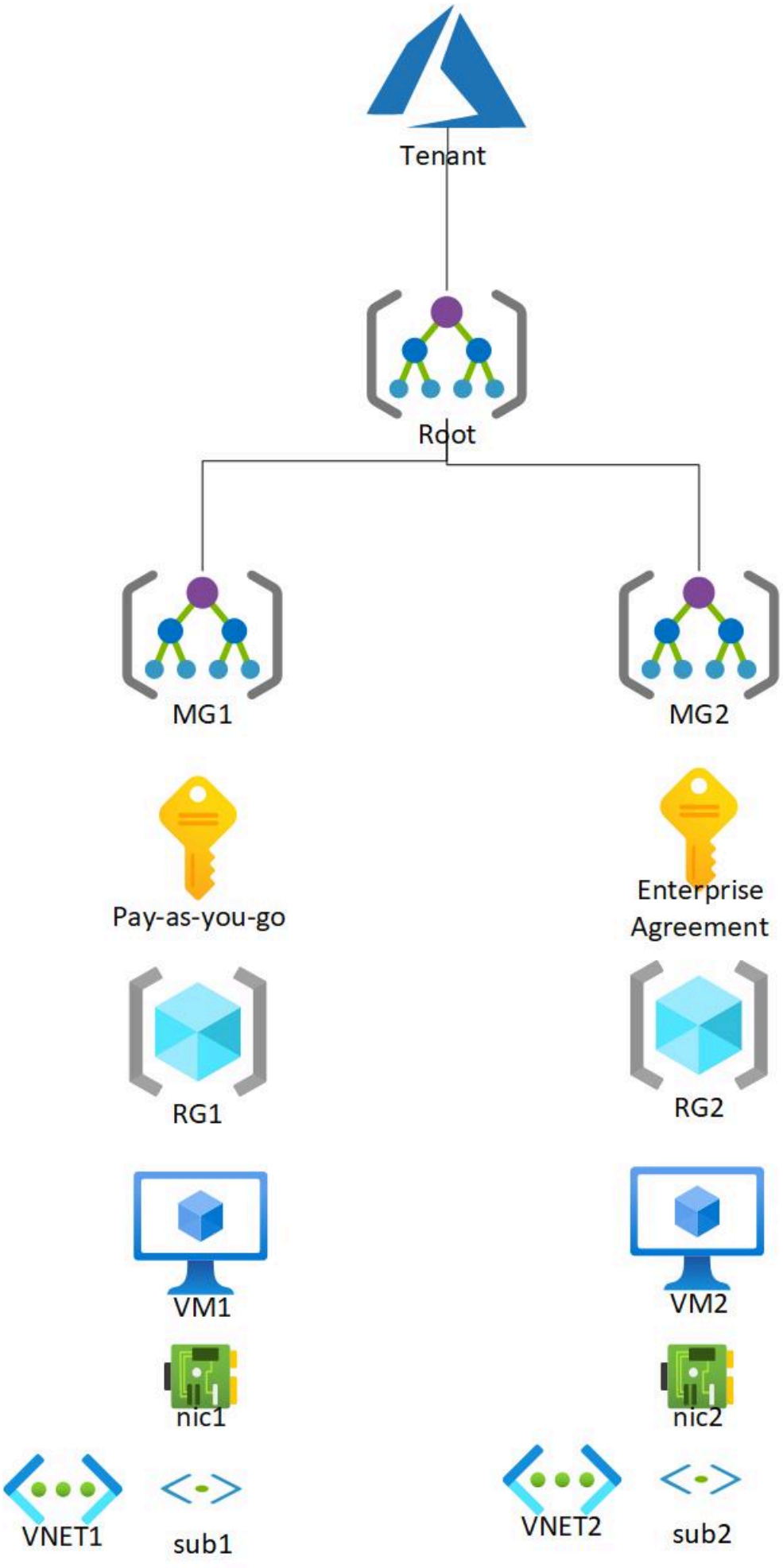
Válasz

- Organizations manage and resolve domain names in a virtual network without adding a custom DNS solution.
- Organizations manage and resolve domain names in a virtual network by adding a custom DNS solution.
- Organizations manage domain names in other organizations.

2. feladat 2 pont

You have an Azure tenant with a root Management Group and 2 Management Groups under the Root. Each Management group contains a Subscription (one Pay as you go subscription and one Enterprise Agreement subscription). Each Subscription contains a resource group. In each resource group there is a VM deployed in a

subnet.



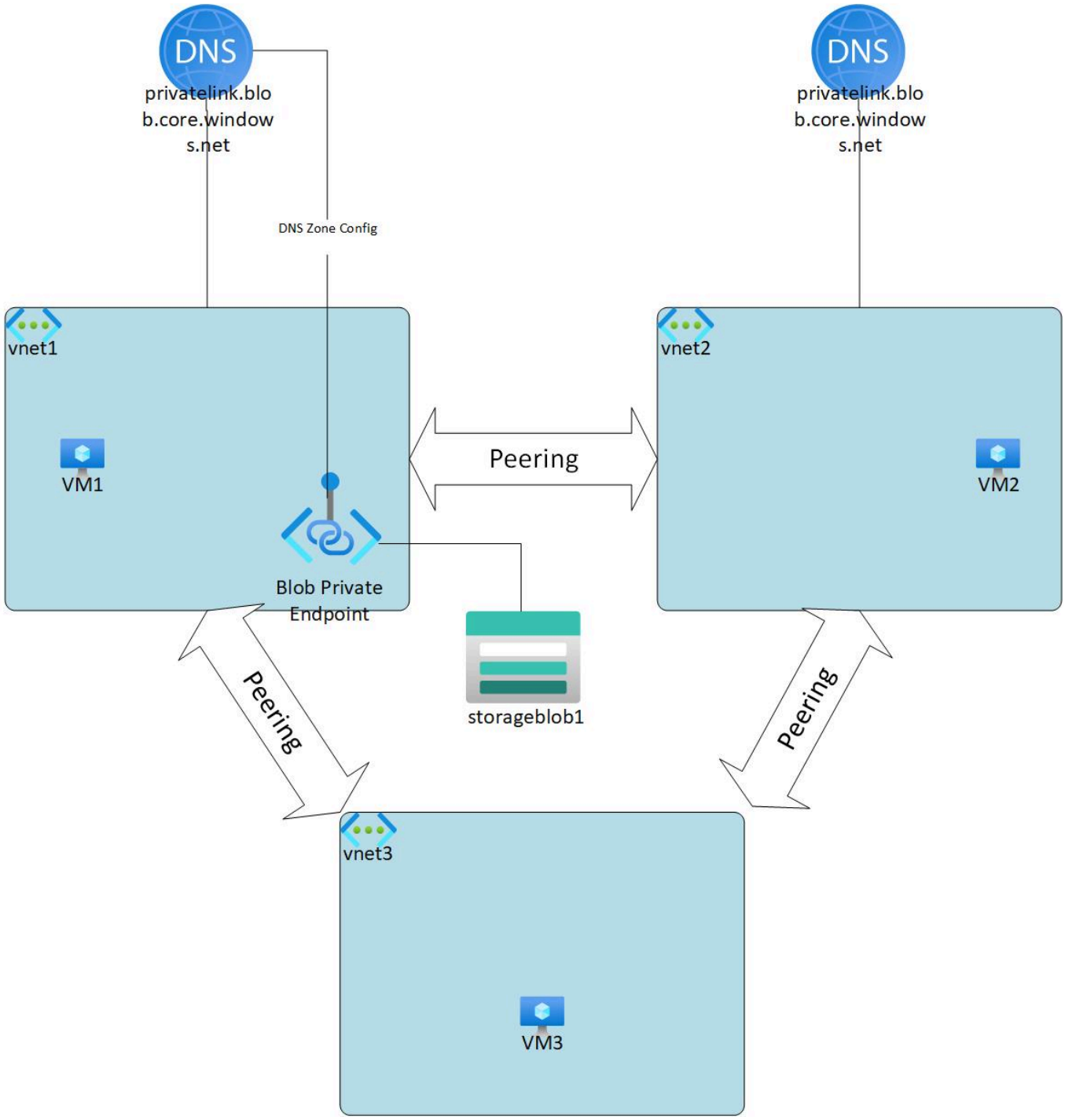
On which resources can you set custom DNS server?

Válaszok

- [ ] Virtual Network : VNET2
- [ ] Virtual Network : VNET1
- [ ] Network interfaces : NIC1 and NIC2
- [ ] Resourcegroup :RG1
- [ ] Management Group : Root
- [ ] Management Groups : MG1 and MG2
- [ ] Subnets : sub1 and sub2

3. feladat 3 pont

You have the following configuration:



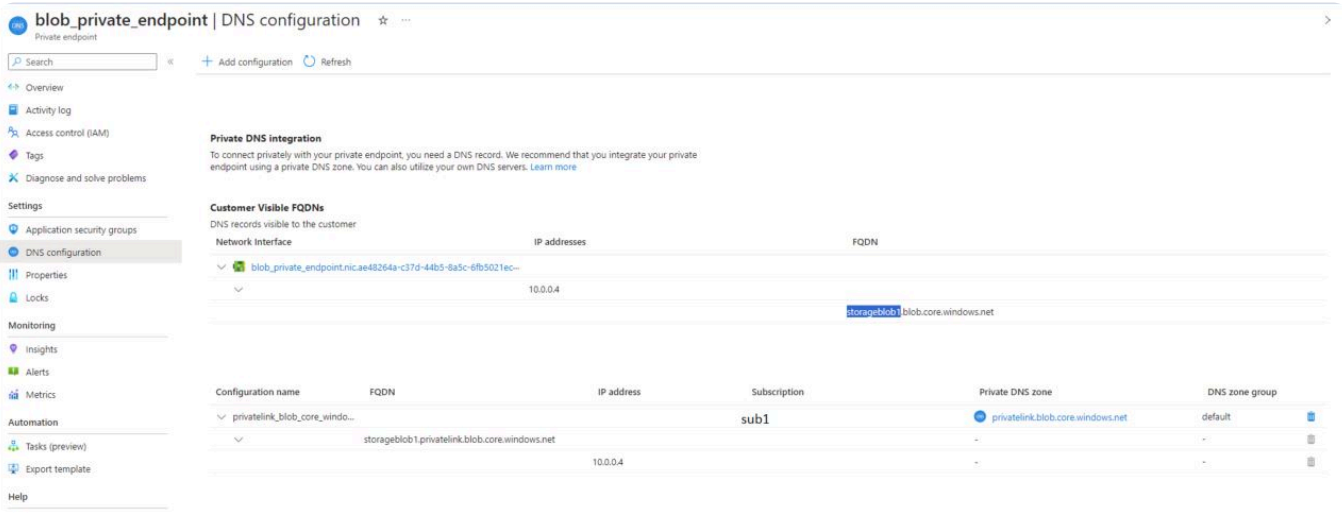
VNETs :

- **vnet1 peered to vnet2**
- **vnet2 peered to vnet3**
- **vnet3 peered to vnet1.**
- **all 3 VNETs has the default DNS server**
- **vnet1 and vnet2 have a private DNS zone (privatelink.blob.core.windows.net) linked.**

StorageAccount:

- **There is one storage account name: storageblob1.**
- **storageblob1 has a blob private endpoint in vnet1**
- **private endpoint registered to private DNS Zone linked to VNET1**

Private Endpoint DNS config looks like this:



Nslookup from the VMs :

nslookup A

```
C:\Users\adm1n>nslookup storageblob1.blob.core.windows.net
Server:  UnKnown
Address:  168.63.129.16

Non-authoritative answer:
Name:    storageblob1.privatelink.blob.core.windows.net
Address:  10.0.0.4
Aliases:  storageblob1.blob.core.windows.net
```

nslookup B

```
C:\Users\adm1n>nslookup storageblob1.blob.core.windows.net
Server:  UnKnown
Address:  168.63.129.16

Non-authoritative answer:
Name:    storageblob1.blob.core.windows.net
```

nslookup C

```
C:\Users\adm1n>nslookup storageblob1.blob.core.windows.net
Server:  UnKnown
Address:  168.63.129.16

Non-authoritative answer:
Name:    blob.lvl02prdstr02a.store.core.windows.net
Address:  20.60.225.163
Aliases:  storageblob1.blob.core.windows.net
          storageblob1.privatelink.blob.core.windows.net
```

How can you achieve to resolve the private IP from each VNETs?

Válaszok

- [ ] Build a DNS server VM in VNET1 with IP 10.0.0.10

  On all VNET configure custom DNS server as 10.0.0.10

  Create a forwarder on DNS server to send all dns queries to 168.63.129.16

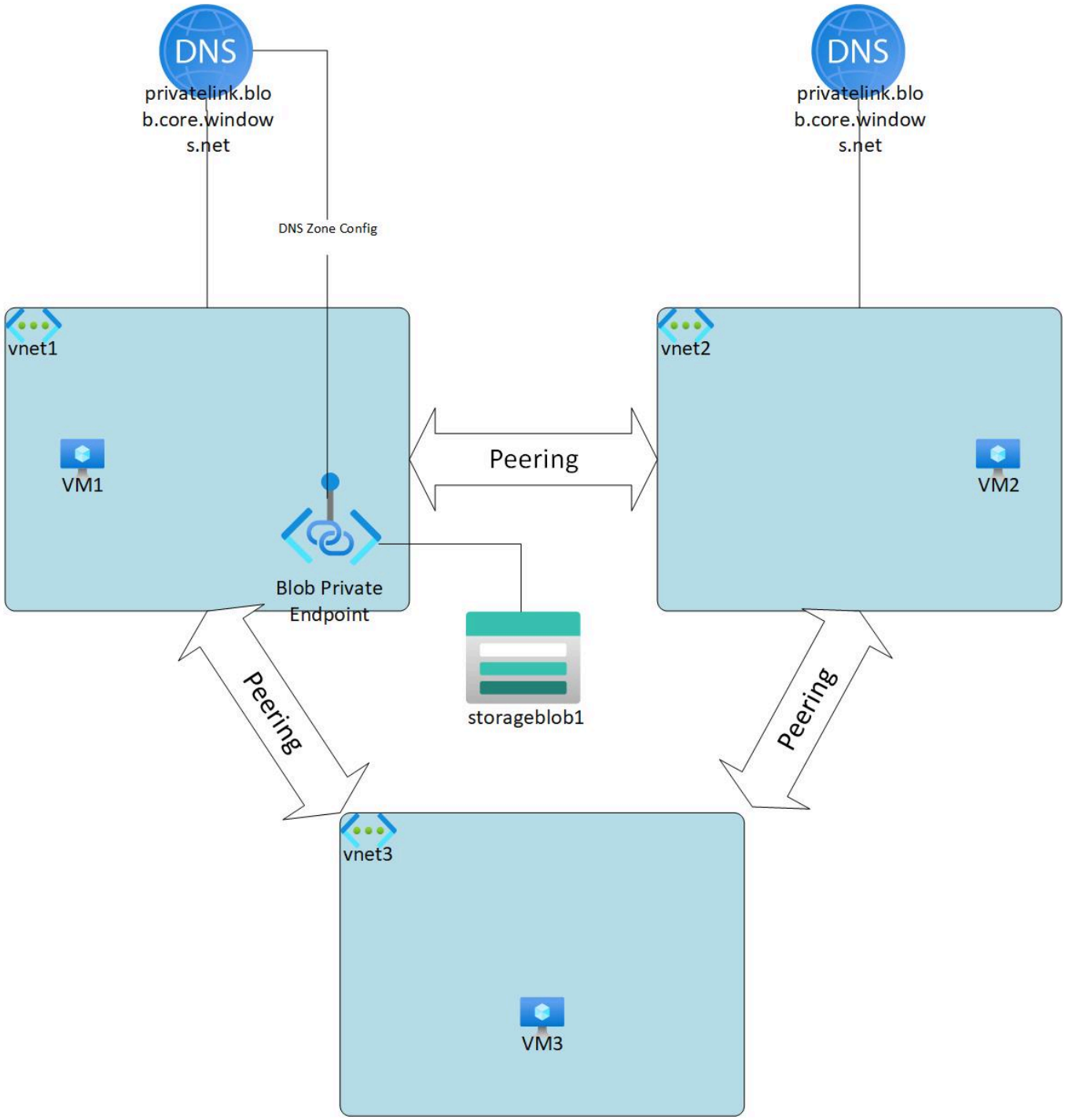
- [ ] Delete Private DNS Zone linked to VNET2 then link the remaining Private DNS Zone to all VNETs

- [ ] Create a new (privatelink.blob.core.windows.net) Private DNS Zone and link it to VNET3

- [ ] Delete the peerings between VNETs

4. feladat 4 pont

You have the following configuration:



VNETs :

vnet1 peered to vnet2

vnet2 peered to vnet3

vnet3 peered to vnet1.

all 3 VNETs has the default DNS server

vnet1 and vnet2 have a private DNS zone (privatelink.blob.core.windows.net) linked.

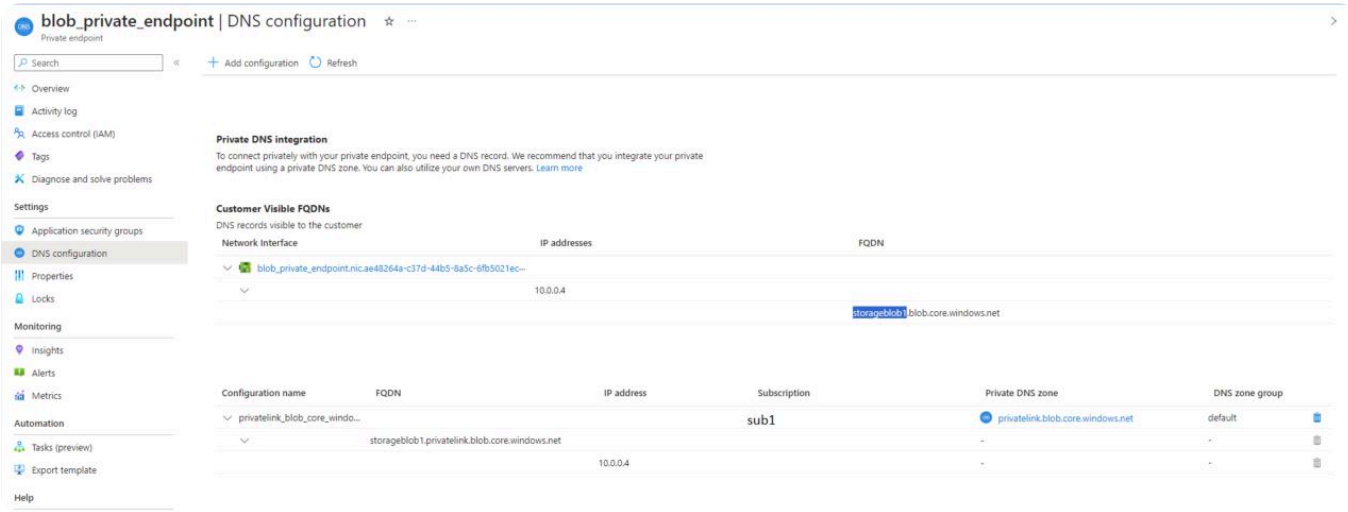
StorageAccount:

There is one storage account name: storageblob1.

storageblob1 has a blob private endpoint in vnet1

private endpoint registered to private DNS Zone linked to VNET1

Private Endpoint DNS config looks like this:



where Private DNS zone is the one linked

Nslookup from the VMs :

nslookup A

```
C:\Users\adm1n>nslookup storageblob1.blob.core.windows.net
Server:  UnKnown
Address:  168.63.129.16

Non-authoritative answer:
Name:    storageblob1.privatelink.blob.core.windows.net
Address:  10.0.0.4
Aliases:  storageblob1.blob.core.windows.net
```

nslookup B

```
C:\Users\adm1n>nslookup storageblob1.blob.core.windows.net
Server:  UnKnown
Address:  168.63.129.16

Non-authoritative answer:
Name:    storageblob1.blob.core.windows.net
```

nslookup C

```
C:\Users\adm1n>nslookup storageblob1.blob.core.windows.net
Server:  UnKnown
Address:  168.63.129.16

Non-authoritative answer:
Name:    blob.lvl02prdstr02a.store.core.windows.net
Address:  20.60.225.163
Aliases:  storageblob1.blob.core.windows.net
          storageblob1.privatelink.blob.core.windows.net
```

Decide which of the following statements are true.

Válaszok

- [ ] nslookup A is from VM1
- [ ] nslookup A is from VM3
- [ ] nslookup B is from VM3
- [ ] nslookup B is from VM1
- [ ] nslookup C is form VM3
- [ ] nslookup C is from VM2
- [ ] nslookup B is from VM2

Megoldások beküldése