Create NSG and Rules

Objective

- Criar NSG, Rules para SSH (porta 22), e SSH para IP restrito.

Comments

Today I practiced NSG (Network Security Groups), an important topic for the AZ-104 exam, which I'm currently studying for. I used Azure CLI to create a Resource Group, VM, VNet, Subnet, NSG, and an Inbound Rule.

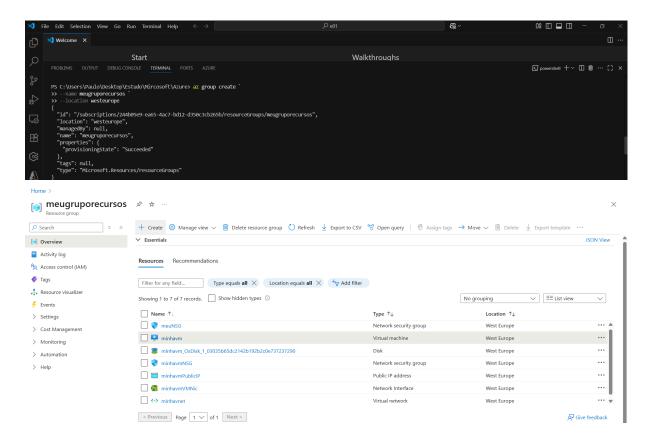
At first, I created an SSH rule that allowed inbound traffic to my subnet.

Then, I deleted that rule and created a new SSH rule restricted to my laptop's public IP — and everything worked as expected.

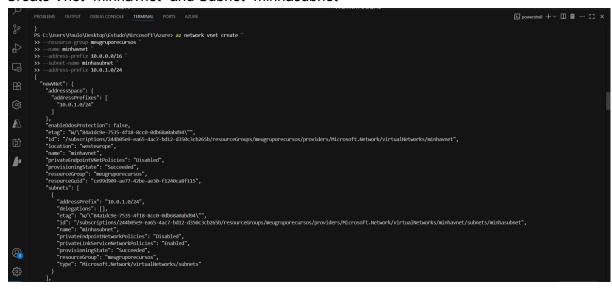
It was a smooth process, and I'm getting more and more comfortable with Azure cloud concepts.

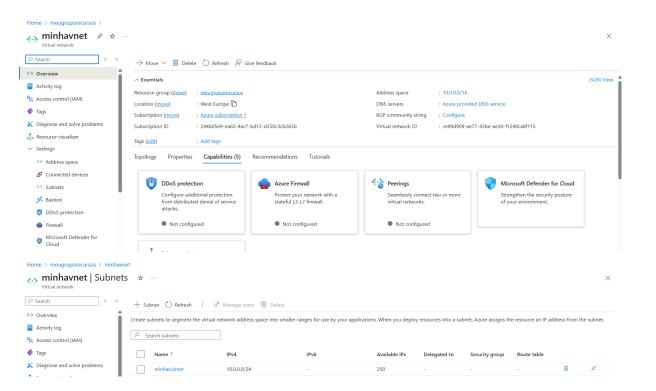
The CLI commands are becoming more intuitive as I keep practicing — and I'm focusing a lot on mastering the CLI, as it will be a solid foundation for my future career as a Cloud Engineer.

1. Create RG "meugruporecursos"

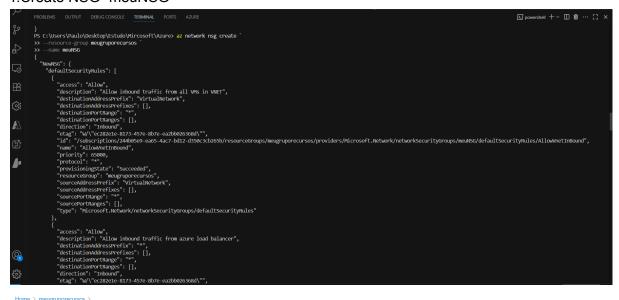


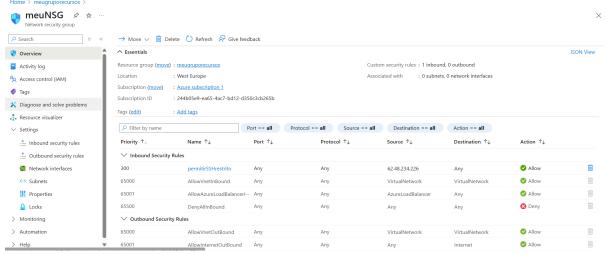
2. Create Vnet "minhavnet" and Subnet "minhasubnet"





4.Create NSG "meuNSG"





4. Create Rule "permitirSSH"

Computer name

Operating system

VM generation

> Availability + scale

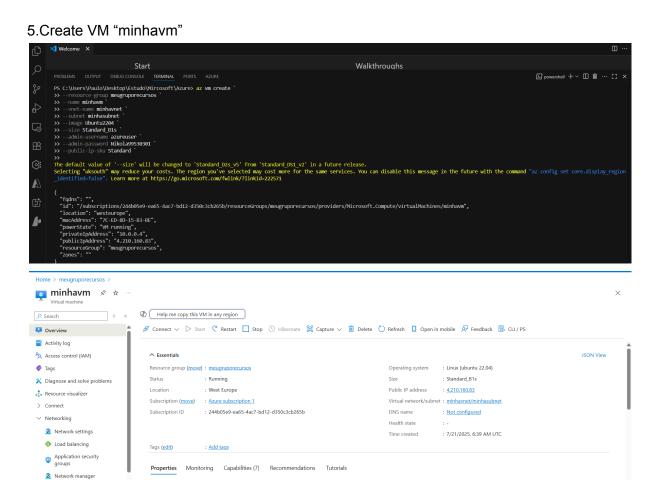
Add or remove favorites by pressing Ctrl+Shift+F

minhavm

V2

Linux (ubuntu 22.04)

```
PS C:\Users\Paulo\Desktop\Estudo\Ytircosoft\Azure> az network nsg rule create
>> --resource_group meugruporecursos
>> --nse menulos
>> --name permitirsSi
>> --priority 200
>> --access Allow
>> --access Allow
>> --source-address-prefixes "*"
>> --source-port-ranges "*"
>> --destination-address-prefixes "*"
>> --destination-port-ranges "*"
```



Public IP address

Private IP address

Public IP address (IPv6)

10.0.0.4

4,210,160,83 (Network interface minhaymVMNic)

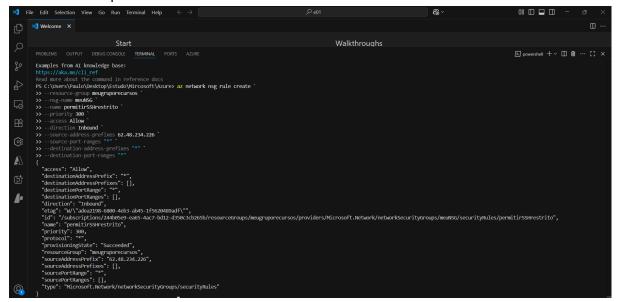
6. Access SSH VM

7. Delete Rule "permitirSSH"

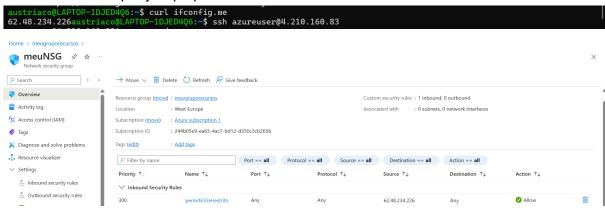
I deleted the rule to create another restricted SSH rule.



8. Create Rule "permitirSSHrestrito"



9. Comand Public Ip my Laptop



10.Connect via SSH my laptop

Thank you if you've seen this far, it may seem a little, but for those who are studying for the AZ-104 exam, this is the way, because practicing every day is what will make me become an excellent Cloud Engineer, thank you all, let's go for more!!!