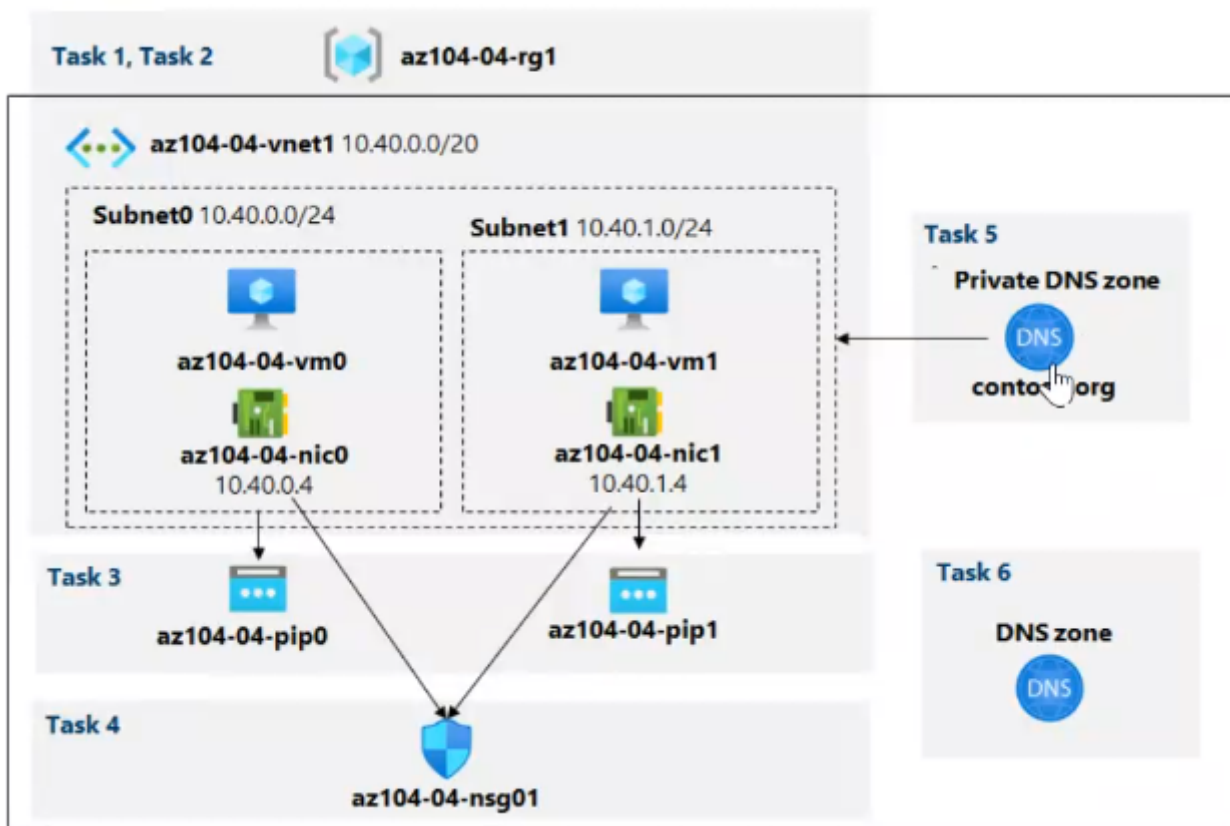


Mastercloud | Trilha #01 - Aula 02

Lab - Implement Virtual Networking



[AZ-104-MicrosoftAzureAdministrator](#)

Criação e conexão de uma VM

- Conexão via RDP:

Home > vm-aula02

vm-aula02 | Connect

Virtual machine

Search

Refresh Troubleshooting More Options

Overview
Activity log
Access control (IAM)
Tags
Diagnose and solve problems

Settings

Networking
Connect
Windows Admin Center
Disks
Size
Microsoft Defender for Cloud
Advisor recommendations
Extensions + applications
Availability + scaling

Connecting using public IP address
172.174.114.250

Admin username : admin-nico
Port (change) : 3389 [Check](#)
Just-in-time policy : Unsupported

Most common

Local machine

Native RDP

Connect via native RDP without any additional software needed. Recommended for testing only.

Public IP address (172.174.114.250)

Select

Estudos sobre isolamento e segregação de rede.

📘 Fazer alterações de rede estritamente via portal.

Caminho de configurações do IP:

Home > web01 | Networking > web01921

web01921 | IP configurations

Network interface

Search Refresh

- Overview
- Activity log
- Access control (IAM)
- Tags

Settings

- IP configurations**
- DNS servers
- Network security group
- Properties
- Locks

Monitoring

- Insights
- Alerts
- Metrics
- Diagnostic settings

Automation

- Tasks (preview)

IP Settings

Enable IP forwarding ☐

Virtual network: web01-vnet

Gateway load balancer: None

Subnet: default (10.1.0.0/24) 250 free IP addresses 250

Private and public IP addresses can be assigned to a virtual machine's network interface controller. You can add as many private and public IP addresses as you like, up to the limit listed in the Azure limits article. [Learn more](#)

+ Add Make primary Delete

| Name | IP Version | Type |
|------------------------------------|------------|---------|
| <input type="checkbox"/> ipconfig1 | IPv4 | Primary |

ⓘ Na nuvem não existe DHCP, as subnets que entregam os IP's.

Adicionar DNS:

web01921 | DNS servers

Network interface

Search Save Discard

- Overview
- Activity log
- Access control (IAM)
- Tags

Settings

- IP configurations
- DNS servers**
- Network security group
- Properties
- Locks

Monitoring

- Tasks (preview)

Updating the DNS servers for this network interface will require a restart of the virtual machine.

DNS servers

☐ Inherit from virtual network ☒ Custom

DNS server

Add DNS server

Applied DNS servers

For virtual machines, the list of applied DNS servers is the union of the list of applied DNS servers for the virtual machine and the list of applied DNS servers for the network interface.

Applied DNS servers

- imgapijosuevidal
- Contoso
- desafiofwhml
- website

"NSG é como se fosse um firewall, capacidade de criar regras para filtros de rede"

Inbound security rules (liberação da porta 80):

Home > Network security groups > web01-nsg

web01-nsg | Inbound security rules

Search

+ Add Hide default rules Refresh Delete Give feedback

Network security group security rules are evaluated by priority using the combination of source, source port, destination, destination port, and protocol to allow or deny the traffic. A security rule can't have the same priority and direction as an existing rule. You can't delete default security rules, but you can override them with rules that have a higher priority. [Learn more](#)

Filter by name Port == all Protocol == all Source == all Destination == all Action == all

| Priority | Name | Port | Protocol | Source | Destination | Action |
|----------|-------------------------------|------|----------|-------------------|----------------|--------|
| | RDP | 3389 | TCP | Any | Any | Allow |
| 0 | AllowVnetInBound | Any | Any | VirtualNetwork | VirtualNetwork | Allow |
| -1 | AllowAzureLoadBalancerInBound | Any | Any | AzureLoadBalancer | Any | Allow |
| 0 | DenyAllInBound | Any | Any | Any | Any | Deny |

- Incluindo endereço de DNS
- Criação de DNS privado:

Microsoft Azure Search resources

Home >

Private DNS zones

Desafio Cloud Expert AzureAD

+ Create Manage view Refresh

Filter for any field... Subscription equals

Showing 1 to 1 of 1 records.

| Name |
|-------------------------------|
| privatelink.azurewebsites.net |

- Cadastro automático do DNS ("translate de ip <-> nome")

[Home](#) > [NoMarketplace-20230919100921](#) | [Overview](#) > [josuevidalmastercloud.com.br](#)

Add virtual network link

[josuevidalmastercloud.com.br](#)

Link name *

vnet

Virtual network details



Only virtual networks with Resource Manager deployment model are supported for linking with Private DNS zone. Virtual networks with Classic deployment model are not supported.

☐ I know the resource ID of virtual network ⓘ

Subscription * ⓘ

Microsoft Azure Sponsorship

Virtual network *

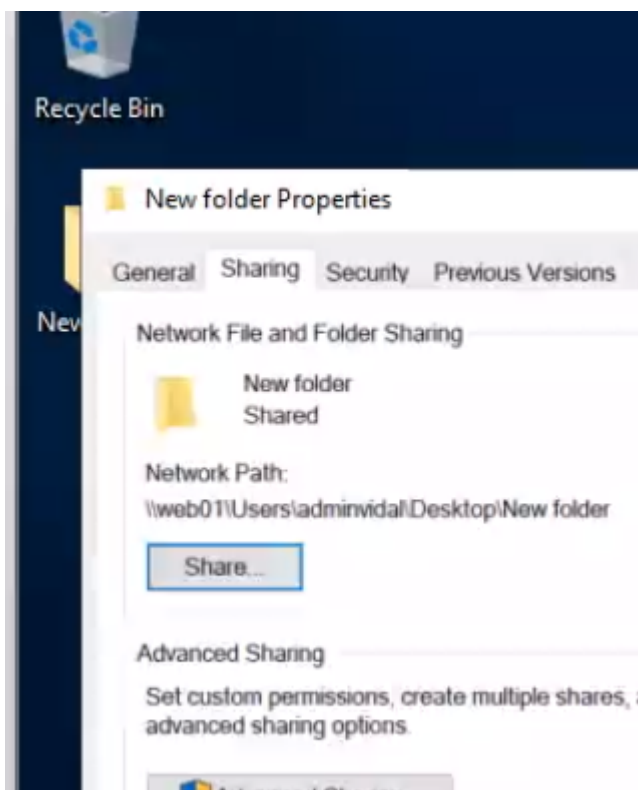
web01-vnet (aula2)

Configuration

☒ Enable auto registration ⓘ

Criar uma pasta e compartilhar para habilitar o ping entre duas VM's

Compartilhamento no windows libera o ICMP



Todas máquinas que tem um NSG e estão na mesma rede "se conversam"

Firewall

Home > web01-vnet | Firewall >

Create a firewall

Firewall SKU

☒ Basic

☐ Standard

☐ Premium

Firewall management

☒ Use a Firewall Policy to manage this firewall

☐ Use Firewall rules (classic) to manage this firewall

Firewall policy *

(New) politica1

[Add new](#)

Choose a virtual network

☐ Create new

☒ Use existing

Virtual network

web01-vnet (aula2)

☒ Force Tunneling requires this virtual network to have the AzureFirewallManagementSubnet.

Public IP address

(New) pip2

[Add new](#)

Management public IP address *

(New) pipk

[Add new](#)

[Review + create](#) [Previous](#) [Next : Tags >](#) [Download a template for](#)

- Utilização do Network Watcher - Connection troubleshooting.

Topologia final:

