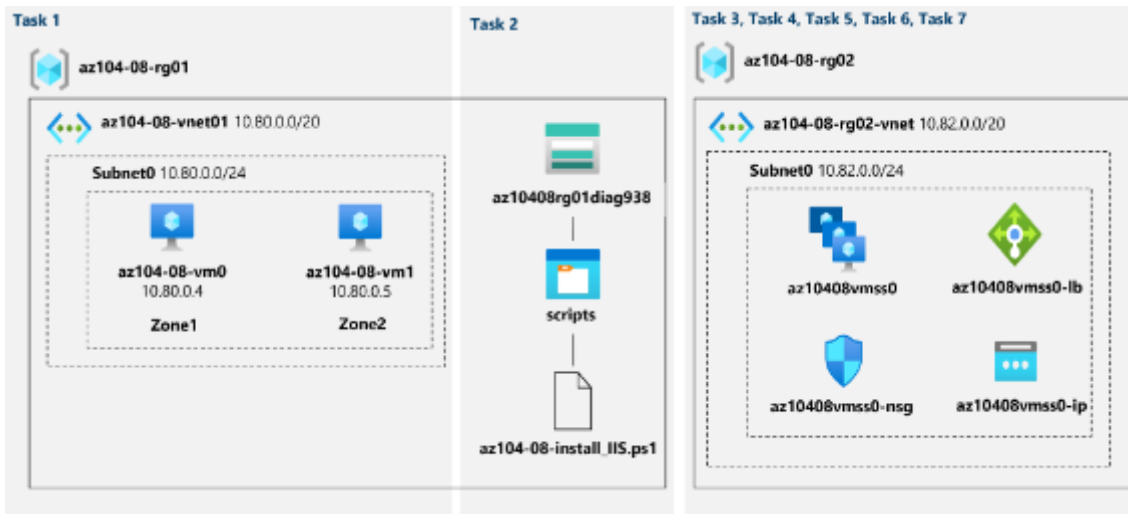
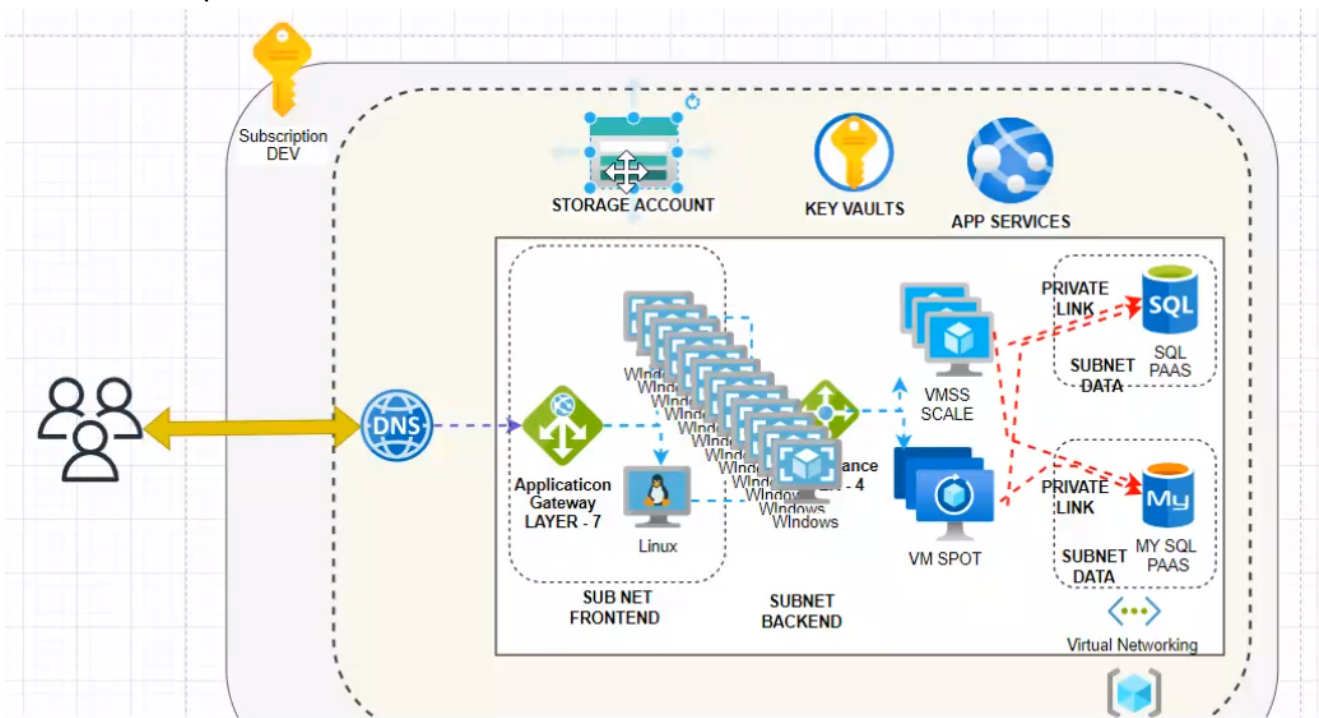


# # Mastercloud | Trilha #01 - Aula 04

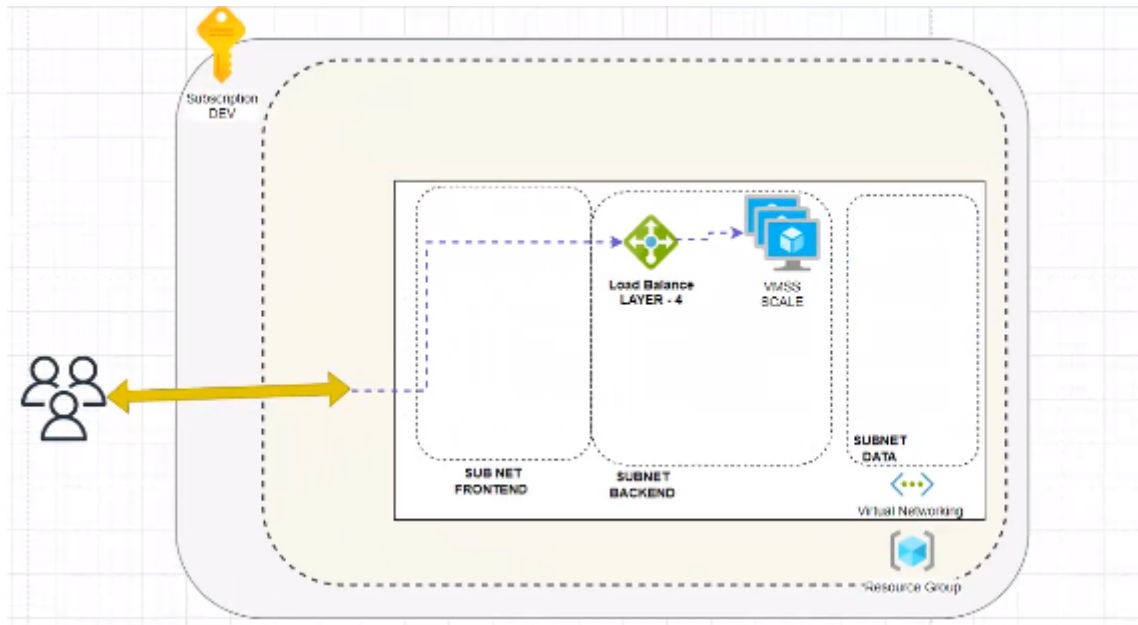
## Lab - [AZ-104-MicrosoftAzureAdministrator](#)



Desenho completo:



## Desenho da aula - primeiros passos:



- Automatização da criação de VM's com virtual machine scale sets

Crescimento horizontal: Aumento na quantidade máquinas

Crescimento vertical: Alocar mais recursos para uma só VM.

Home > Virtual machine scale sets >

### Create a virtual machine scale set

Basics Spot Disks **Networking** Scaling Management Health Advanced Tags Review + create

Define network connectivity for your virtual machine by configuring network interface card (NIC) settings. You can control ports, inbound and outbound connectivity with security group rules, or place behind an existing load balancing solution. [Learn more about VMSS networking](#)

**Virtual network configuration**

Azure Virtual Network (VNet) enables many types of Azure resources to securely communicate with each other, the internet, and on-premises networks. [Learn more about VNets](#)

Virtual network \* (New) Aula4-vnet (recommended) [Create virtual network](#)

**Network interface**

A network interface enables an Azure virtual machine to communicate with internet, Azure, and on-premises resources. A VM can have one or more network interfaces.

+ Create new nic Delete

NAME	CREATE PUBL...	SUBNET	NETWORK SECU...	ACCELERATED N...
Aula4-vnet-nic01	No	default (10.1.0.0/20)	Basic	On

**Load balancing**

You can place this virtual machine in the backend pool of an existing Azure load balancing solution. [Learn more](#)

[Review + create](#) < Previous Next : Scaling >

### Create a load balancer

Details such as subscription and resource group will be inherited from the virtual machine that you're creating. A default IP, backend pool, and load balancer rule will be created on your behalf, though certain configurations can be changed if desired.

Load balancer name \* nlb-front

Type \* ☒ **Public**  
Provides outbound connections for virtual machines inside your virtual network using public load balancers.  
☐ **Internal**  
Used to load balance traffic inside a virtual network. A load balancer frontend can be accessed from an on-premises network in a hybrid scenario.

Protocol \* ☒ TCP  
☐ UDP

**Rules**

Rules

- ☒ Load balancer rule
- ☒ Inbound NAT rule

[Create](#) [Cancel](#)

## Blob de scripts:

Home > josuevidaluniramaster\_1695304032235 | Overview > josuevidaluniramaster | Containers >

script

Container

[Upload](#) [Change access level](#) [Refresh](#) [Delete](#) [Change tier](#) [Acquire lease](#) [Break lease](#) [View snapshots](#) [Create snapshot](#) [Give feedback](#)

Overview

Diagnose and solve problems

Access Control (IAM)

Settings

Shared access tokens

Access policy

Properties

Metadata

Authentication method: Access key (Switch to Azure AD User Account)

Location: script

☐ Show deleted blobs

[Add filter](#)

Name	Modified	Access tier	Archive status	Blob type	Size	Lease state
<input type="checkbox"/> az104-08-install_IIS (4).ps1	9/21/2023, 10:53:17 ...	Hot (Inferred)		Block blob	239 B	Available

## Scaling settings:

Home > Virtual machine scale sets >

## Create a virtual machine scale set

Basics Spot Disks Networking Scaling Management Health Advanced Tags Review + create

An Azure virtual machine scale set can automatically increase or decrease the number of VM instances that run your application. This automated and elastic behavior reduces the management overhead to monitor and optimize the performance of your application. [Learn more about VMSS scaling](#)

Initial instance count \* ⓘ

2

### Scaling

Scaling policy ⓘ

☒ Manual  
☐ Custom

### Scale-In policy

Configure the order in which virtual machines are selected for deletion during a scale-in operation. [Learn more about scale-in policies](#)

Scale-in policy

Default - Balance across availability zones and fault domains, then delete V... ▼

Apply force delete to scale-in operations ⓘ

☐