

# Criação e integração de ambiente multicloud entre Azure e AWS

## Primeiramente, criar a Virtual Network na Azure

Microsoft Azure

Search resources, services, and docs (G+/I)

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SESI SENAI SP - ESCOLAS

Home > Network foundation | Virtual networks >

Create virtual network

BasicsSecurityIP addressesTagsReview + create

Project details

Select the subscription to manage deployed resources and costs. Use resource groups like folders to organize and manage all your resources.

Subscription \*

Azure for Students

Resource group \*

Multicloud-lucas

Create new

Instance details

Virtual network name \*

multicloud-az-lucas

Region \* ⓘ

(US) East US

Deploy to an Azure Extended Zone

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Microsoft Azure

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Home > Network foundation | Virtual networks >

Create virtual network

BasicsSecurityIP addressesTagsReview + create

Configure your virtual network address space with the IPv4 and IPv6 addresses and subnets you need. [Learn more](#)

Define the address space of your virtual network with one or more IPv4 or IPv6 address ranges. Create subnets to segment the virtual network address space into smaller ranges for use by your applications. When you deploy resources into a subnet, Azure assigns the resource an IP address from the subnet. [Learn more](#)

+ Add a subnet

172.10.0.0/16

Delete address space

172.10.0.0

/16

172.10.0.0 - 172.10.255.25565,536 addresses

Subnets	IP address range	Size	NAT gateway
subnet-az-lucas	172.10.1.0 - 172.10.1.255	/24 (256 addresses)	-

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## Agora, criar a Virtual network gateway

Microsoft Azure

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Home > Hybrid connectivity | ExpressRoute gateways >

Create virtual network gateway ...

Project details

Select the subscription to manage deployed resources and costs. Use resource groups like folders to organize and manage all your resources.

Subscription \*

Azure for Students

Resource group ⓘ

Multicloud-lucas (derived from virtual network's resource group)

Instance details

Name \*

VPN-Azure-Lucas

Region \*

East US

Deploy to an Azure Extended Zone

Gateway type \* ⓘ

☒ VPN

☐ ExpressRoute

SKU \* ⓘ

VpnGw1

Generation ⓘ

Generation1

Virtual network \* ⓘ

multicloud-az-lucas

Create virtual network

Subnet ⓘ

GatewaySubnet (172.10.0.224/27)

Review + create

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Microsoft Azure

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Copilot

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SENSEINASP - ESCOLAS

Home > Hybrid connectivity | ExpressRoute gateways >

Create virtual network gateway ...

Subnet ⓘ

GatewaySubnet (172.10.0.224/27)

Only virtual networks in the currently selected subscription and region are listed.

Public IP address

Public IP address \* ⓘ

☒ Create new

☐ Use existing

Public IP address name \*

Public-ip-azure-lucas

Public IP address SKU

Standard

Assignment

☐ Dynamic

☒ Static

Enable active-active mode \* ⓘ

☐ Enabled

☒ Disabled

Configure BGP \* ⓘ

☐ Enabled

☒ Disabled

Authentication Information (Preview)

Enable Key Vault Access ⓘ

☐ Enabled

☒ Disabled

Azure recommends using a validated VPN device with your virtual network gateway. To view a list of validated devices and instructions for configuration, refer to Azure's [documentation](#) regarding validated VPN devices.

Review + create

Previous

Next: Tags >

Download a template for automation

Aguardar um tempinho para ser criado

Microsoft Azure

Home > Microsoft.VirtualNetworkGateway-20250612214204 | Overview

Deployment

Search

Delete Cancel Redeploy Download Refresh

Overview

Inputs

Outputs

Template

Deployment is in progress

Deployment name : Microsoft.VirtualNetworkGateway-20250612214204 Start time : 6/12/2025, 9:41:47 PM  
Subscription : Azure for Students Correlation ID : 9ec559a4-8ca9-4f89-bc6c-ff5fe6fd3063  
Resource group : Multicloud-lucas

Deployment details

Resource	Type	Status	Operation details
VPN-Azure-Lucas	Virtual network gateway	Created	<a href="#">Operation details</a>
Public-ip-azure-lucas	Public IP address	OK	<a href="#">Operation details</a>

Give feedback

Tell us about your experience with deployment

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Home > Microsoft.VirtualNetworkGateway-20250612214204 | Overview

VPN-Azure-Lucas

Virtual network gateway

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Refresh Move Delete

Overview

Activity log

Access control (IAM)

Tags

Diagnose and solve problems

Resource visualizer

Settings

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Help

Essentials

Resource group (move) : Multicloud-lucas

Location : East US

Subscription (move) : Azure for Students

Subscription ID : 6faaf12f-70a7-45a0-a0b3-48cda8620633

Tags (edit) : Add tags

SKU : VpnGw1

Gateway type : VPN

VPN type : Route-based

Virtual network : multicloud-az-lucas

Public IP address : 20.42.15.141 (Public-ip-azure-lucas)

Health check

Perform a quick health check to detect possible gateway issues

Go to Resource health

Advisor Recommendations

Check Critical, Warning, and Informational Recommendations

Go to Advisor

Documentation

View guidance on helpful topics related to VPN gateway

View documentation

Show data for last

1 hour 6 hours 12 hours 1 day 7 days 30 days

Total tunnel ingress

Total tunnel egress

Após o deploy ficar completo, criar a VPC na AWS

aws [Search] [Alt+S] United States (N. Virginia) voclabs/user3537709=lucasfranco303@gmail.com @ 4915-7162-3271

VPC > Your VPCs > Create VPC

### VPC settings

**Resources to create** [Info](#)  
Create only the VPC resource or the VPC and other networking resources.

☒ VPC only ☐ VPC and more

**Name tag - optional**  
Creates a tag with a key of 'Name' and a value that you specify.

Multicloud-aws-lucas

**IPv4 CIDR block** [Info](#)  
☒ IPv4 CIDR manual input  
☐ IPAM-allocated IPv4 CIDR block

**IPv4 CIDR**  
10.0.0.0/24  
CIDR block size must be between /16 and /28.

**IPv6 CIDR block** [Info](#)  
☒ No IPv6 CIDR block  
☐ IPAM-allocated IPv6 CIDR block  
☐ Amazon-provided IPv6 CIDR block  
☐ IPv6 CIDR owned by me

**Tenancy** [Info](#)  
Default

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## Criar uma route table

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VPC > Route tables > Create route table

### Create route table

[Info](#)  
A route table specifies how packets are forwarded between the subnets within your VPC, the internet, and your VPN connection.

**Route table settings**

**Name - optional**  
Create a tag with a key of 'Name' and a value that you specify.

rt-multicloud

**VPC**  
The VPC to use for this route table.

vpc-0307e0f960b275ae4 (multicloud-AWS)

**Tags**  
A tag is a label that you assign to an AWS resource. Each tag consists of a key and an optional value. You can use tags to search and filter your resources or track your AWS costs.

**Key** **Value - optional**

Q Name X Q rt-multicloud X Remove

[Add new tag](#)  
You can add 49 more tags.

Cancel [Create route table](#)

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## Criar um internet gateway

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VPC > Internet gateways > Create internet gateway

### Create internet gateway [Info](#)

An internet gateway is a virtual router that connects a VPC to the internet. To create a new internet gateway specify the name for the gateway below.

**Internet gateway settings**

**Name tag**  
Creates a tag with a key of 'Name' and a value that you specify.

**Tags - optional**  
A tag is a label that you assign to an AWS resource. Each tag consists of a key and an optional value. You can use tags to search and filter your resources or track your AWS costs.

Key	Value - optional	
<input type="text" value="Name"/>	<input type="text" value="igw-multicloud"/>	<input type="button" value="Remove"/>
<input type="button" value="Add new tag"/>		

You can add 49 more tags.

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Agora criar o Customer Gateway (IMPORTANTE: na parte de especificar o ip, colocar o ip do Virtual Network Gateway da Azure

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VPC > Customer gateways > Create customer gateway

### Create customer gateway [Info](#)

A customer gateway is a resource that you create in AWS that represents the customer gateway device in your on-premises network.

**Details**

**Name tag - optional**  
Creates a tag with a key of 'Name' and a value that you specify.  
  
Value must be 256 characters or less in length.

**BGP ASN** [Info](#)  
The ASN of your customer gateway device.  
  
Value must be in 1 - 4294967294 range.

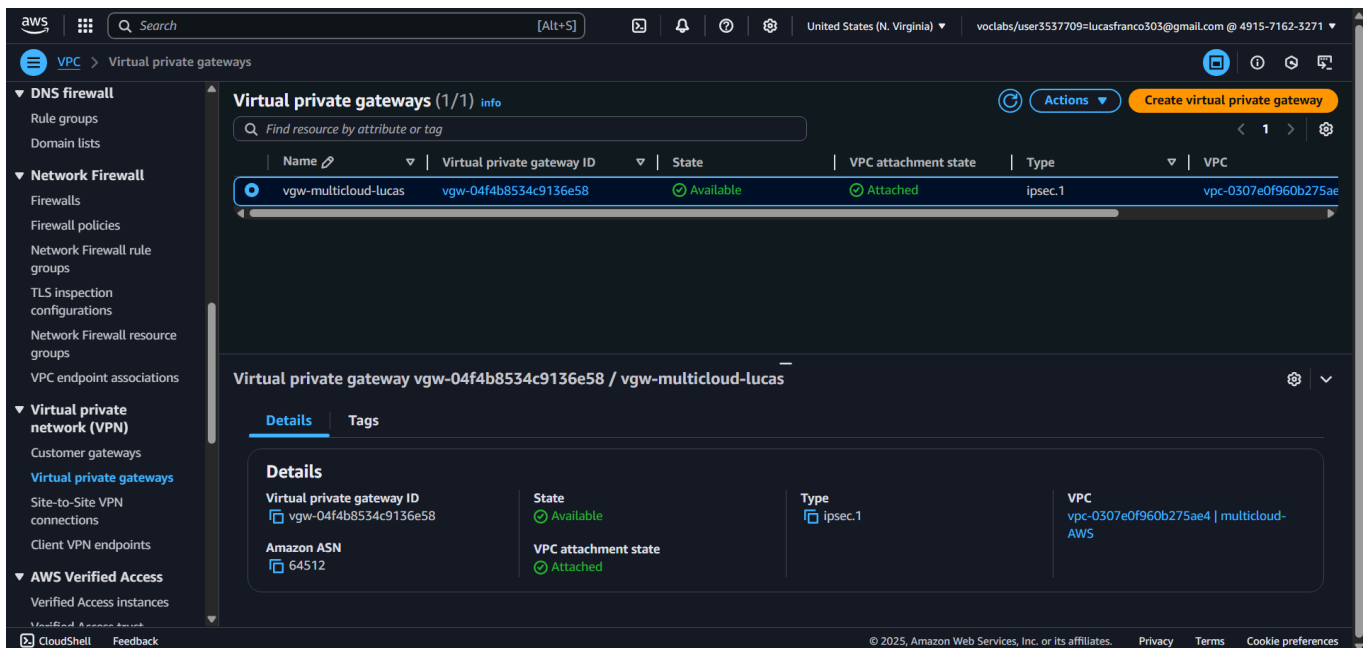
**IP address** [Info](#)  
Specify the IP address for your customer gateway device's external interface.

**Certificate ARN - optional**  
The ARN of a private certificate provisioned in AWS Certificate Manager (ACM).

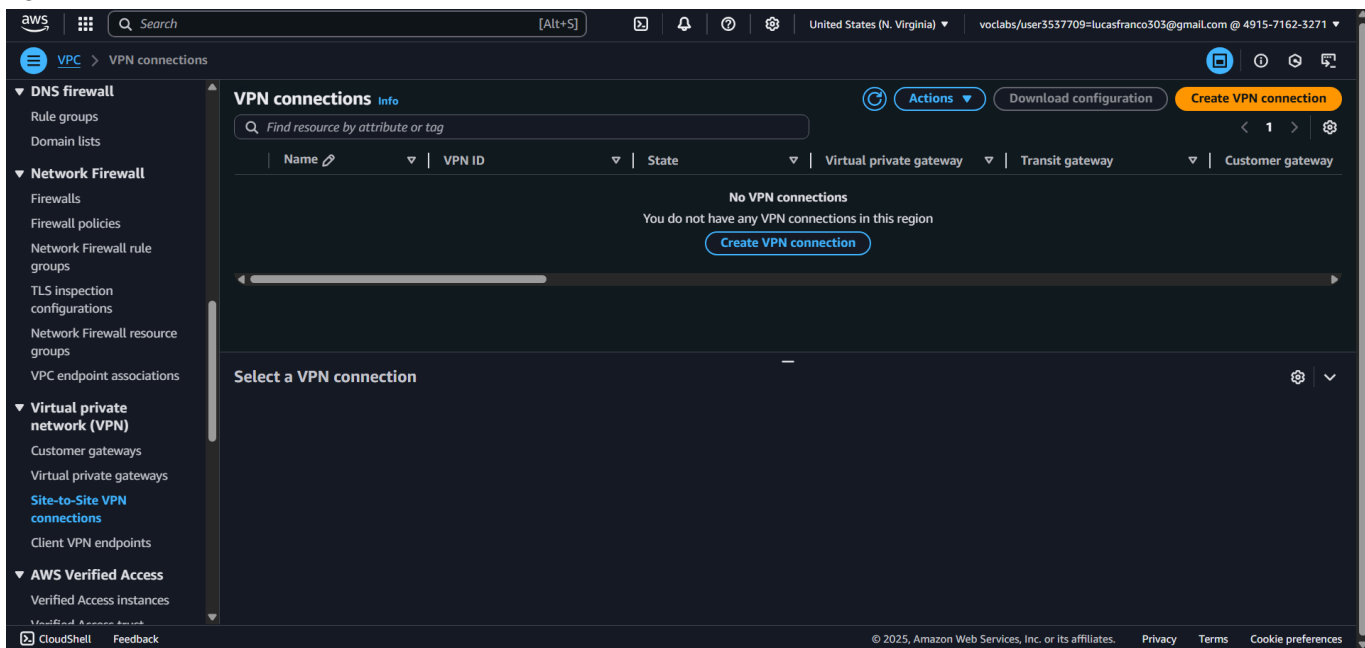
**Device - optional**  
Enter a name for the customer gateway device.

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Criar o Virtual private gateway



## Agora criar um site-to-site VPN connections



Selecionar os recursos que foram criados

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VPC > VPN connections > Create VPN connection

**Name tag - optional**  
Creates a tag with a key of 'Name' and a value that you specify.  
VPN-AWS  
Value must be 256 characters or less in length.

**Target gateway type** [Info](#)  
☒ Virtual private gateway  
☐ Transit gateway  
☐ Not associated

**Virtual private gateway**  
vgw-04f4b8534c9136e58

**Customer gateway** [Info](#)  
☒ Existing  
☐ New

**Customer gateway ID**  
cgw-0bc3d93721398cfd5

**Routing options** [Info](#)  
☐ Dynamic (requires BGP)  
☒ Static

**Static IP prefixes** [Info](#)  
Add static IP prefix

**Pre-shared key storage** [Info](#)  
☒ Standard  
☐ Secrets Manager

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Em Static IP prefixes, colocar a rede da Azure

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VPC > VPN connections > Create VPN connection

**Customer gateway** [Info](#)  
☒ Existing  
☐ New

**Customer gateway ID**  
cgw-0bc3d93721398cfd5

**Routing options** [Info](#)  
☐ Dynamic (requires BGP)  
☒ Static

**Static IP prefixes** [Info](#)  
Add static IP prefix  
172.10.1.0/24

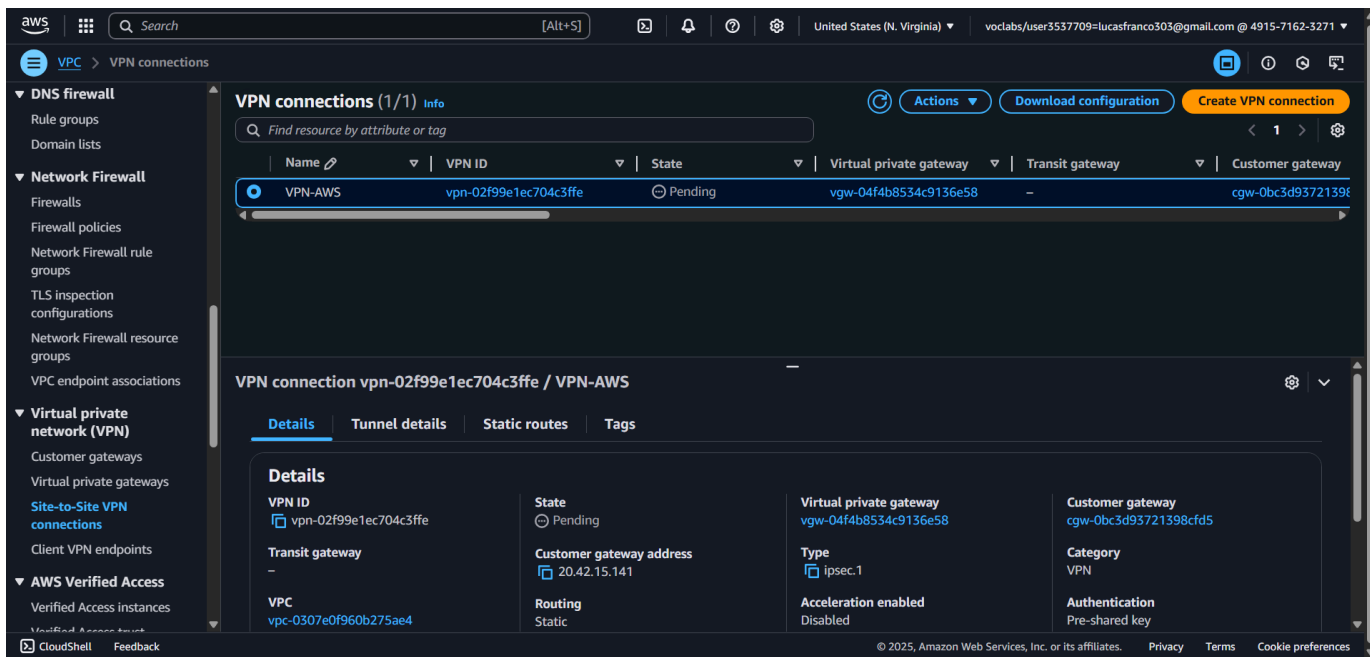
**Pre-shared key storage** [Info](#)  
☒ Standard  
☐ Secrets Manager

**Local IPv4 network CIDR - optional**  
The IPv4 CIDR range on the customer gateway (on-premises) side that is allowed to communicate over the VPN tunnels. The default is 0.0.0.0/0.  
0.0.0.0/0

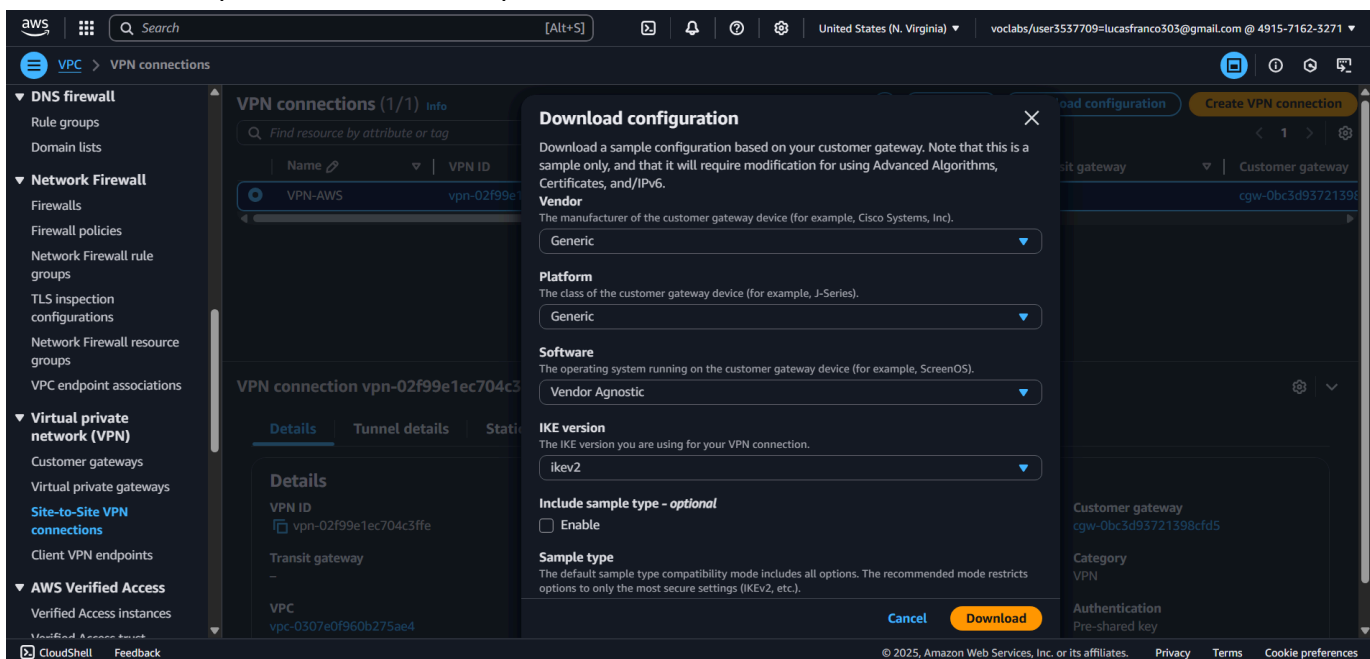
**Remote IPv4 network CIDR - optional**  
The IPv4 CIDR range on the AWS side that is allowed to communicate over the VPN tunnels. The default is 0.0.0.0/0.  
0.0.0.0/0

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Após criar a VPN Connections, baixar as configurações para que a AWS confie na Azure, clicar na opção Download configuration



Mudar o Vendor para Generic e a IKE para IKEv2



Baixar e abrir o arquivo para prosseguir





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VPC dashboard < Your VPCs

EC2 Global View [EC2]

Filter by VPC

Virtual private cloud

Your VPCs

Subnets

Route tables

Internet gateways

Egress-only internet gateways

Carrier gateways

DHCP option sets

Elastic IPs

Managed prefix lists

NAT gateways

Peering connections

Route servers New

Security

Network ACLs

Security groups

Your VPCs (1/3) Info

Find VPCs by attribute or tag

	Name	VPC ID	State	Block Public...	IPv4 CIDR	IPv6 CIDR
<input type="checkbox"/>	mn-rt-vpc	vpc-08f77ab2739f7b24e	Available	Off	10.0.0.0/16	-
<input type="checkbox"/>	-	vpc-06399d13ffb336143	Available	Off	172.31.0.0/16	-
<input checked="" type="checkbox"/>	multicloud-AWS	vpc-0307e0f960b275ae4	Available	Off	10.0.0.0/16	-

vpc-0307e0f960b275ae4 / multicloud-AWS

Details Resource map CIDRs Flow logs Tags Integrations

Details

VPC ID vpc-0307e0f960b275ae4

State Available

Tenancy default

Block Public Access Off

DNS hostnames Disabled

DHCP option set dopt-0aefe500f7f3f9efd

DNS resolution Enabled

Main route table rtb-0671b7c80f8e920c9

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Voltar para o Virtual Network Gateway, ir em connections e add connections

Microsoft Azure Search resources, services, and docs (G+/) Copilot lucas.franco17@senaissp... SENAISP - ESCOLAS

Home > VPN-Azure-Lucas

VPN-Azure-Lucas | Connections ✕ ☆ ...

Virtual network gateway

Search

+ Add Refresh

Overview

Activity log

Access control (IAM)

Tags

Diagnose and solve problems

Resource visualizer

Settings

Configuration

Connections

Point-to-site configuration

Maintenance

Properties

Locks

Monitoring

Automation

Help

Add or remove favorites by pressing Ctrl+Shift+F

Connections

Add connections

Name	Status	Connection type	Peer
No results			

Adicionar as informações e na hora do PSK, pegar no arquivo de configuração da AWS

Microsoft Azure

Home > VPN-Azure-Lucas | Connections >

## Create connection

Basics **Settings** Tags Review + create

**Virtual network gateway**

To use a virtual network with a connection, it must be associated to a virtual network gateway.

Virtual network gateway \*

Local network gateway \*

Authentication Method ☒ Shared Key (PSK) ☐ Key Vault Certificate (Preview)

Shared Key (PSK) \*

IKE Protocol ☐ IKEv1 ☒ IKEv2

Use Azure Private IP Address ☐

Enable BGP ☐

IPsec / IKE policy ☒ Default ☐ Custom

Use policy based traffic selector ☐ Enable ☒ Disable

DPD timeout in seconds \*

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

vpn-02f99e1ec704c3ffe.txt

Arquivo Editor Exibir

Category "VPN" connections in the GovCloud region have a minimum requirement of AES 256-bit encryption. You will need to modify these sample configuration files to take advantage of AES256 and 24.

NOTE: If you customized tunnel options when creating or modifying your VPN connection to match the custom settings for your tunnels.

Higher parameters are only available for VPNs of category "VPN," and not for "VPN-C." The address of the external interface for your customer gateway must be a static address. Your customer gateway may reside behind a device performing network address translation. To ensure that NAT traversal (NAT-T) can function, you must adjust your firewall rules. If not behind NAT, and you are not using an Accelerated VPN, we recommend disabling that NAT-T is enabled.

- IKE version : IKEv2
- Authentication Method : Pre-Shared Key
- Pre-Shared Key : HM\_qKL8iWvfh8EAryYmwnCT0dgGYZZ0
- Authentication Algorithm : sha1

Após criar, voltar na AWS e atrelar a rede na route table

aws

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VPC > Route tables

### Route tables (1/5) Info

Last updated about 1 hour ago

Name	Route table ID	Explicit subnet associ...	Edge associations	Main	VPC
rtb-pub	rtb-05bd3f0a0cb1956fa	subnet-0e3c13c1e08673...	-	Yes	vpc-08f77ab2739f7b24e   m
-	rtb-07a8b1036a3462f6f	-	-	Yes	vpc-06399d13ffb336143
rt-multicloud-priv	rtb-0cac8b052e82c01b4	-	-	No	vpc-0307e0f960b275ae4   m
<input checked="" type="checkbox"/> rt-multicloud-pub	rtb-05fe5573ecc8e4d1d	-	-	No	vpc-0307e0f960b275ae4   m
-	rtb-0671b7c80f8e920c9	-	-	Yes	vpc-0307e0f960b275ae4   m

#### rtb-05fe5573ecc8e4d1d / rt-multicloud-pub

Details Routes Subnet associations Edge associations **Route propagation** Tags

**Route Propagation (1)**

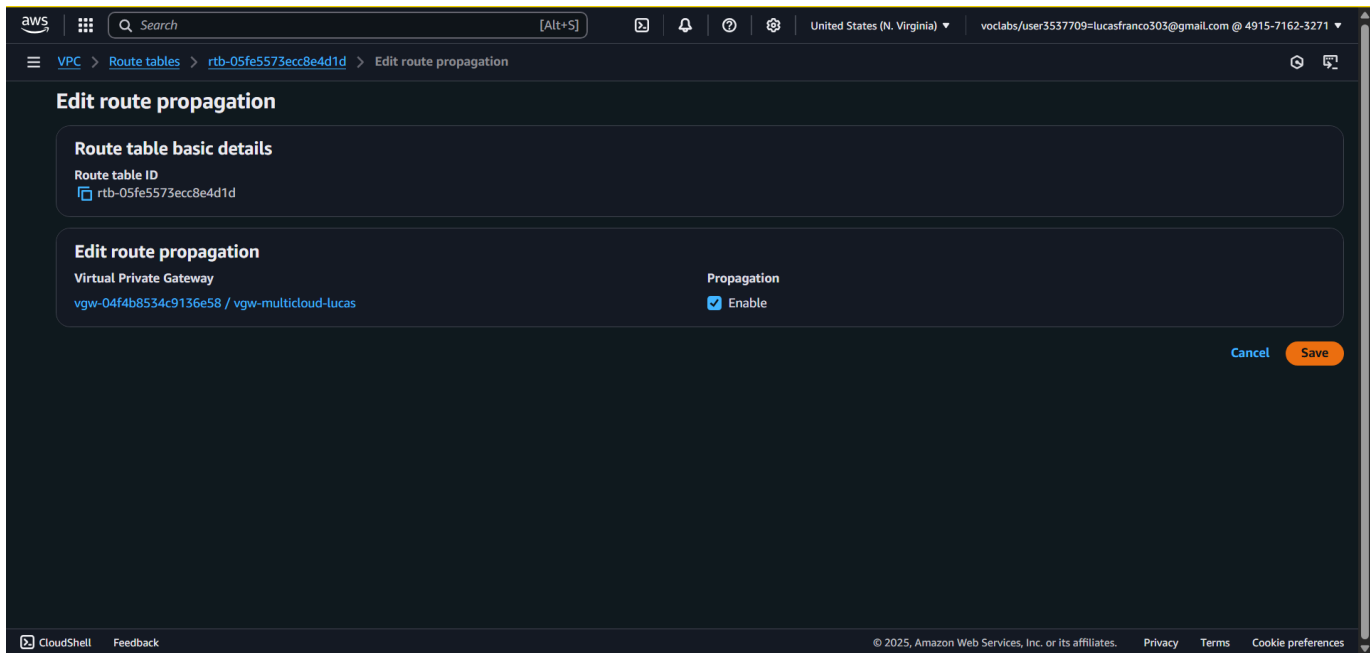
Find virtual private gateway

Virtual Private Gateway	Propagation
vgw-04f4b8534c9136e58 / vgw-multicloud-lucas	No

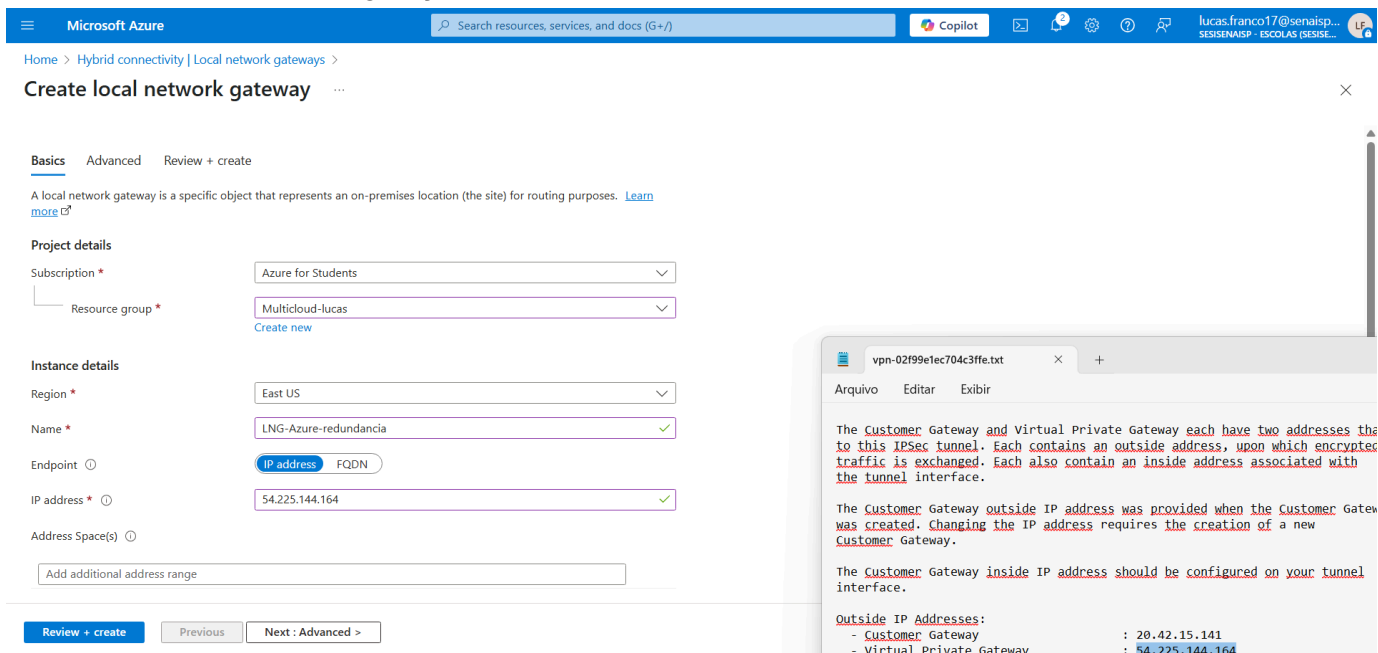
[Edit route propagation](#)

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enable



Agora, criar para criar o tunnel 2, precisa criar um outro local network gateway, com o ip do tunnel 2 do arquivo de configuração da AWS



Criar o recurso

Microsoft Azure

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SESISENAISP - ESCOLAS (SESSIO...

Home > Hybrid connectivity | Local network gateways >

Create local network gateway ...

BasicsAdvancedReview + create

Summary

Name

Subscription

Resource group

Region

Endpoint

IP address

Address Space(s)

LNG-Azure-redundancia

Azure for Students

Multicloud-lucas

East US

IP address

54.225.144.164

10.0.0.0/16

Create

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## Criar a conexão na Virtual network gateway

Microsoft Azure

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Home > Hybrid connectivity | ExpressRoute gateways > VPN-Azure-Lucas | Connections >

Create connection ...

BasicsSettingsTagsReview + create

Virtual network gateway

To use a virtual network with a connection, it must be associated to a virtual network gateway.

Virtual network gateway \*

Local network gateway \*

Authentication Method

Shared Key(PSK) \*

IKE Protocol

Use Azure Private IP Address

Enable BGP

IPsec / IKE policy

Use policy based traffic selector

DPD timeout in seconds \*

VPN-Azure-Lucas

LNG-Azure-redundancia

☒ Shared Key(PSK) ☐ Key Vault Certificate (Preview)

\*\*\*\*\*

☐ IKEv1 ☒ IKEv2

☐

☐

Default

Custom

Enable

Disable

45

Review + create

Previous

Next: Tags >

Download a template for automation

vpn-02f99e1ec704c3ffe.txt

Arquivo Editar Exibir

You will need to modify these sample configuration files to take advantage of AES U and 24.

NOTE: If you customized tunnel options when creating or modifying your VPN connecti to match the custom settings for your tunnels.

Higher parameters are only available for VPNs of category "VPN," and not for "VPN-C The address of the external interface for your customer gateway must be a static ad Your customer gateway may reside behind a device performing network address transla To ensure that NAT traversal (NAT-T) can function, you must adjust your firewall !r If not behind NAT, and you are not using an Accelerated VPN, we recommend disabling that NAT-T is enabled.

```
- IKE version : IKEv2
- Authentication Method : Pre-Shared Key
- Pre-Shared Key : 70060MwKz.n5h8e0eYvFzhI9fm41Flzm
- Authentication Algorithm : sha1
```

PRONTO

Teste

Criar uma instancia para teste

aws

Search

[Alt+S]

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EC2

Instances

Launch an instance

Instance type

t3.micro

Family: t3 2 vCPU 1 GiB Memory Current generation: true
On-Demand Ubuntu Pro base pricing: 0.0139 USD per Hour
On-Demand SUSE base pricing: 0.0104 USD per Hour
On-Demand RHEL base pricing: 0.0392 USD per Hour
On-Demand Linux base pricing: 0.0104 USD per Hour
On-Demand Windows base pricing: 0.0196 USD per Hour

All generations

Compare instance types

Additional costs apply for AMIs with pre-installed software

Key pair (login)

You can use a key pair to securely connect to your instance. Ensure that you have access to the selected key pair before you launch the instance.

Key pair name - required

vockey

Create new key pair

Network settings

VPC - required

vpc-0307e0f960b275ae4 (multicloud-AWS)

10.0.0.0/16

Create new VPC

Subnet

subnet-02d7c6a046f4904fe multicloud-lucas

VPC: vpc-0307e0f960b275ae4 Owner: 491571623271 Availability Zone: us-east-1c
Zone type: Availability Zone IP addresses available: 251 CIDR: 10.0.2.0/24

Create new subnet

Summary

Number of instances

1

Software Image (AMI)

Canonical, Ubuntu, 24.04, amd64...read more

ami-020cba7c55df1f615

Virtual server type (instance type)

t3.micro

Firewall (security group)

multicloud-lucas-sg

Storage (volumes)

1 volume(s) - 8 GiB

Free tier: In your first year of opening an AWS account, you get 750 hours per month of t2.micro instance usage (or t3.micro where t3.micro isn't available) when used with free

Cancel

Launch instance

Preview code

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## Criar uma VM de teste

Microsoft Azure

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SENIAIA SP ESCOLAS (SENIAIA SP)

Home

Compute infrastructure

Virtual machines

Create a virtual machine

Help me create a low cost VM

Help me create a VM optimized for high availability

Help me choose the right VM size for my workload

Subscription

Resource group \*

Subscription

Multicloud-lucas

Create new

Instance details

Virtual machine name \*

VM-Azure

Region \*

(US) East US

Availability options

No infrastructure redundancy required

Security type

Trusted launch virtual machines

Configure security features

Image \*

Ubuntu Server 24.04 LTS - x64 Gen2

See all images | Configure VM generation

VM architecture

Arm64

x64

Run with Azure Spot discount

Size \*

Standard B2s - 2 vcpus, 4 GiB memory (US\$ 30.37/month)

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Microsoft Azure

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353535ENAKSP ESCOLAS DESER...

Home > Compute infrastructure | Virtual machines >

Create a virtual machine ...

Help me create a low cost VM

Help me create a VM optimized for high availability

Help me choose the right VM size for my workload

Network interface

When creating a virtual machine, a network interface will be created for you.

Virtual network \*

multicloud-az-lucas

Create new

Subnet \*

subnet-az-lucas (172.10.1.0/24)

Manage subnet configuration

Public IP

(new) VM-Azure-ip

Create new

NIC network security group

None

Basic

Advanced

Configure network security group \*

(new) VM-Azure-nsg

Create new

Delete public IP and NIC when VM is deleted

☒

Enable accelerated networking

☐

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Criar regras para conexão no security group

aws

Search

[Alt+S]

United States (N. Virginia)

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EC2 > Security Groups > sg-0c7c46da319de316a - multicloud-lucas-sg > Edit inbound rules

Edit inbound rules Info

Inbound rules control the incoming traffic that's allowed to reach the instance.

Inbound rules Info

Security group rule ID	Type Info	Protocol Info	Port range Info	Source Info	Description - optional Info
sgr-0c2ff421337d79437	All ICMP - IPv4	ICMP	All	Custom	172.10.0.0/16 X
sgr-07b6004d5e9935148	All ICMP - IPv4	ICMP	All	Custom	177.181.0.99/32 X
sgr-0721be17037f036cd	SSH	TCP	22	Custom	172.10.0.0/16 X
sgr-04fa4387eb458b015	SSH	TCP	22	Custom	177.181.0.99/32 X

Add rule

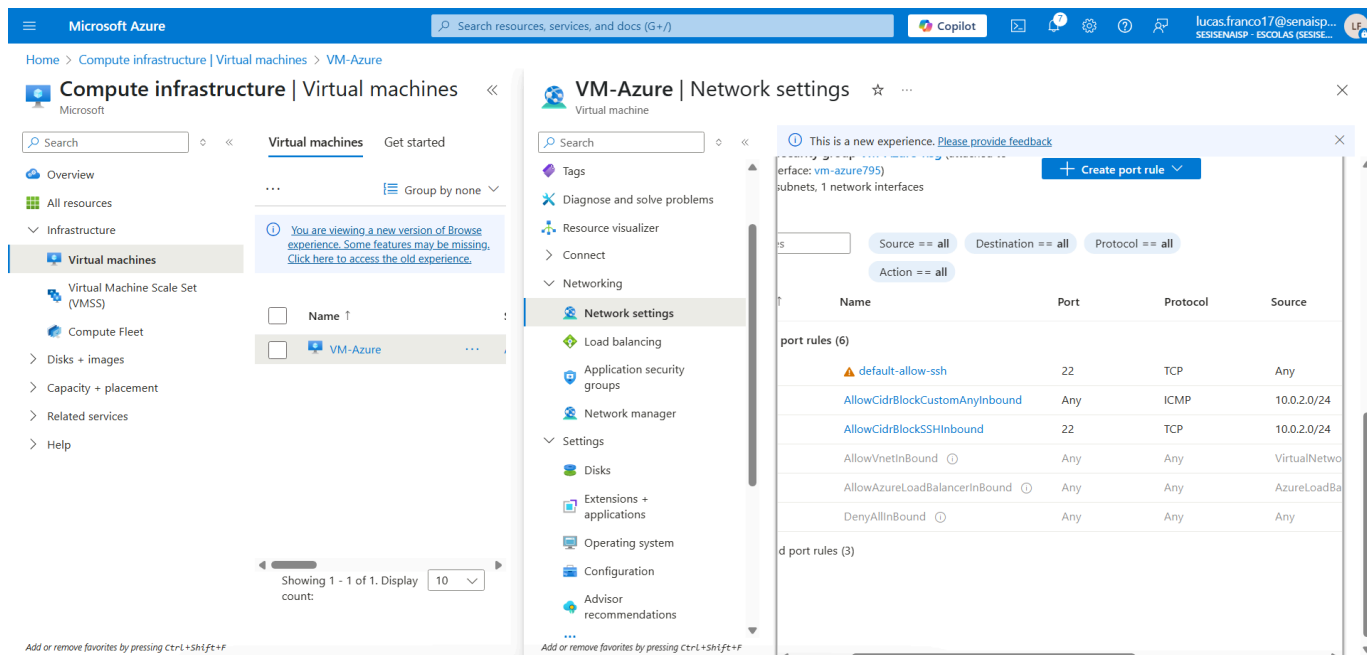
Cancel

Preview changes

Save rules

CloudShell Feedback

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## Teste de ping

```

ubuntu@ip-10-0-2-213: ~
System load: 0.0      Temperature: -273.1 C
Usage of /: 25.7% of 6.71GB  Processes: 109
Memory usage: 24%      Users logged in: 1
Swap usage: 0%         IPv4 address for ens5: 10.0.2.213

Expanded Security Maintenance for Applications is not enabled.

0 updates can be applied immediately.

Enable ESM Apps to receive additional future security updates.
See https://ubuntu.com/esm or run: sudo pro status

Last login: Fri Jun 13 03:45:17 2025 from 177.181.0.99
To run a command as administrator (user "root"), use "sudo <command>".
See "man sudo_root" for details.

ubuntu@ip-10-0-2-213:~$ ping 172.10.1.4
PING 172.10.1.4 (172.10.1.4) 56(84) bytes of data.
64 bytes from 172.10.1.4: icmp_seq=1 ttl=64 time=5.74 ms
64 bytes from 172.10.1.4: icmp_seq=2 ttl=64 time=5.46 ms
64 bytes from 172.10.1.4: icmp_seq=3 ttl=64 time=5.21 ms
64 bytes from 172.10.1.4: icmp_seq=4 ttl=64 time=5.27 ms
64 bytes from 172.10.1.4: icmp_seq=5 ttl=64 time=5.12 ms
^C
--- 172.10.1.4 ping statistics ---
5 packets transmitted, 5 received, 0% packet loss, time 4006ms
rtt min/avg/max/mdev = 5.122/5.359/5.737/0.218 ms
ubuntu@ip-10-0-2-213:~$

```



```
ubuntu@ip-10-0-2-213: ~  
lucas@VM-Azure: ~  
individual files in /usr/share/doc/*/copyright.  
  
Ubuntu comes with ABSOLUTELY NO WARRANTY, to the extent permitted by  
applicable law.  
  
To run a command as administrator (user "root"), use "sudo <command>".  
See "man sudo_root" for details.  
  
lucas@VM-Azure:~$  
lucas@VM-Azure:~$  
lucas@VM-Azure:~$  
lucas@VM-Azure:~$  
lucas@VM-Azure:~$  
lucas@VM-Azure:~$  
lucas@VM-Azure:~$ ping 10.0.2.213  
PING 10.0.2.213 (10.0.2.213) 56(84) bytes of data.  
64 bytes from 10.0.2.213: icmp_seq=1 ttl=64 time=6.07 ms  
64 bytes from 10.0.2.213: icmp_seq=2 ttl=64 time=5.69 ms  
64 bytes from 10.0.2.213: icmp_seq=3 ttl=64 time=5.07 ms  
64 bytes from 10.0.2.213: icmp_seq=4 ttl=64 time=5.74 ms  
64 bytes from 10.0.2.213: icmp_seq=5 ttl=64 time=5.86 ms  
64 bytes from 10.0.2.213: icmp_seq=6 ttl=64 time=5.90 ms  
64 bytes from 10.0.2.213: icmp_seq=7 ttl=64 time=5.12 ms  
64 bytes from 10.0.2.213: icmp_seq=8 ttl=64 time=5.00 ms  
64 bytes from 10.0.2.213: icmp_seq=9 ttl=64 time=5.18 ms  
^C  
--- 10.0.2.213 ping statistics ---  
9 packets transmitted, 9 received, 0% packet loss, time 8012ms  
rtt min/avg/max/mdev = 5.003/5.514/6.072/0.392 ms  
lucas@VM-Azure:~$
```

## Teste de SSH

```
lucas@VM-Azure: ~  
lucas@VM-Azure: ~  
7 packets transmitted, 7 received, 0% packet loss, time 6010ms  
rtt min/avg/max/mdev = 4.873/5.265/5.601/0.209 ms  
ubuntu@ip-10-0-2-213:~$ ssh lucas@172.10.1.4  
The authenticity of host '172.10.1.4 (172.10.1.4)' can't be established.  
ED25519 key fingerprint is SHA256:skC2oQxUrx329sAvNVsXYk3nU0/AYbQUxA2UIlyLaCM.  
This key is not known by any other names.  
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes  
Warning: Permanently added '172.10.1.4' (ED25519) to the list of known hosts.  
lucas@172.10.1.4's password:  
Welcome to Ubuntu 24.04.2 LTS (GNU/Linux 6.11.0-1015-azure x86_64)  
  
* Documentation:  https://help.ubuntu.com  
* Management:    https://landscape.canonical.com  
* Support:       https://ubuntu.com/pro  
  
System information as of Fri Jun 13 04:20:14 UTC 2025  
  
System load:  0.0          Processes:      120  
Usage of /:   5.6% of 28.02GB Users logged in: 1  
Memory usage: 6%          IPv4 address for eth0: 172.10.1.4  
Swap usage:   0%  
  
Expanded Security Maintenance for Applications is not enabled.  
  
0 updates can be applied immediately.  
  
Enable ESM Apps to receive additional future security updates.  
See https://ubuntu.com/esm or run: sudo pro status  
  
The list of available updates is more than a week old.  
To check for new updates run: sudo apt update  
  
Last login: Fri Jun 13 03:51:47 2025 from 177.181.0.99  
To run a command as administrator (user "root"), use "sudo <command>".  
See "man sudo_root" for details.  
  
lucas@VM-Azure:~$
```