

PROJETO-PASSO A PASSO

1 CRIAR RESOURCE GROUP AZURE

[Página inicial](#) > [Grupos de recursos](#)

Grupos de recursos

SESIENASP - Escolas (sesienaspedu.onmicrosoft...)

+ Criar ...

gp-Lorena Grupo de recursos

Pesquisar

+ Criar Gerenciar a exibição Excluir o grupo de recursos Atualizar Exportar para CSV Abrir a consulta

Visão geral

- Log de atividade
- IAM (Controle de acesso)
- Marcações
- Visualizador de recursos
- Eventos
- Configurações
- Implantações
- Segurança
- Pilhas de implantação
- Políticas
- Propriedades
- Bloqueios
- Gerenciamento de Custos
- Análise de custo

Fundamentos

Recursos Recomendações (1)

Filtrar por qualquer ca... Tipo igual a **tudo** Localização igual a **tudo** Adicionar filtro

Mostrando 1 a 13 de 13 registros. Mostrar os tipos ocultos Nenhum agrupamento Exibir

Nome	Tipo	Localização
con-1	Connection	East US
con-2	Connection	East US
con-2	Local network gateway	East US
local-lorena	Local network gateway	East US
lorena1	Endereço do IP público	East US
vm-lorena-azure	Máquina virtual	East US
vm-lorena-azure-ip	Endereço do IP público	East US
vm-lorena-azure-nsq	Grupo de segurança de rede	East US

2 CRIAR REDES VIRTUAIS - SUBNET

[Página inicial](#) > [Grupos de recursos](#) > [gp-Lorena](#) > [VNET-Azure](#)

VNET-Azure | Sub-redes

Rede virtual

Pesquisar

+ Sub-rede Atualizar Gerenciar Usuários Excluir

Crie sub-redes para segmentar o espaço de endereço da rede virtual em intervalos menores para IP da sub-rede.

Pesquisar sub-redes

Nome	IPv4	IPv6
subnet1	172.10.1.0/24	-

3 CRIAR VPN AZURE

[Página inicial](#) >

VPN-Lorena

Virtual network gateway

Pesquisar

Atualizar Mover Excluir

Overview

- Log de atividade
- IAM (Controle de acesso)
- Marcações
- Diagnosticar e resolver problemas

Fundamentos

Grupo de recursos (mover) : [gp-Lorena](#)

Local : East US

Assinatura (mover) : [Azure for Students](#)

ID da Assinatura : 8d8cdd38-85b8-49d7-b954-605c7236754f

SKU : VpnGw1

Tipo de gateway : VPN

Tipo de VPN : Baseado em rota

Rede virtual : [vnet-lorena](#)

Endereço IP público : [172.172.178.226 \(lorena1\)](#)

4 CRIAR VPC E SUBNET NA AWS

vpc-0f259af6b0e23ff8d / vpc-lorena

Actions

DetailsInfo

VPC ID

vpc-0f259af6b0e23ff8d

DNS resolution

Enabled

Main network ACL

acl-0927a31392b8eb883

IPv6 CIDR (Network border group)

-

State

Available

Tenancy

default

Default VPC

No

Network Address Usage metrics

Disabled

Block Public Access

Off

DHCP option set

dopt-041696ed13884d1bf

IPv4 CIDR

10.10.0.0/16

Route 53 Resolver DNS Firewall rule groups

Failed to load rule groups

DNS hostnames

Disabled

Main route table

rtb-0761bf66f899a4dc2

IPv6 pool

-

Owner ID

081639781530

5 CRIAR INTERNET GATEWAY E ATACHAR A VPC DA AWS

igw-0df62d3319aa47ed7 / igw-lorena

Actions

DetailsInfo

Internet gateway ID

igw-0df62d3319aa47ed7

State

Attached

VPC ID

vpc-0f259af6b0e23ff8d | vpc-lorena

Owner

081639781530

Tags

Manage tags

Search tags

Key

Value

Name

igw-lorena

6 FAZER ROUTE TABLES

rtb-004aa4e46570097ae / rtb-lorena

Actions

DetailsInfo

Route table ID

rtb-004aa4e46570097ae

Main

No

Explicit subnet associations

subnet-07c2377c2d5f1804a / subnet-priv

Edge associations

-

VPC

vpc-0091fc99897fc37c6 | vpc-lorena

Owner ID

081639781530

Routes

Subnet associations

Edge associations

Route propagation

Tags

Routes (4)

Both

Edit routes

Filter routes

Destination

Target

Status

Propagated

0.0.0.0/0

igw-074f831db51aa2a2a

Active

No

10.10.0.0/16

local

Active

No

172.10.1.0/24

vgw-0c819a12f68732bf8

Active

No

172.10.1.0/24

vgw-0c819a12f68732bf8

Active

Yes

7 CRIAR CUSTOMER GATEWAY

cgw-0b5c903272c410def / cgw-lorena-vpn

Actions

DetailsInfo

Customer gateway ID

cgw-0b5c903272c410def

State

Available

Type

ipsec.1

IP address

172.172.178.226

BGP ASN

65000

Certificate ARN

-

Device

-

Tags

COLOCAR O IP DA AZURE

8 CRIAR O VIRTUAL PRIVATE GATEWAY E ATACHAR A VPC

vgw-0c13d448d8d6b7b3e / vpg-lorena

Actions

Details

Virtual private gateway ID

vgw-0c13d448d8d6b7b3e

Amazon ASN

64512

State

Available

VPC attachment state

Attached

Type

ipsec.1

VPC

vpc-0f259af6b0e23ff8d | vpc-lorena

Tags

Tags 1

Manage tags

Search tags

Key

Value

Name

vpg-lorena

9 CRIAR A VPN AWS

vpn-099bdcf2715adf5f8 / vpn-lorena

Download configuration

Actions

Details

VPN ID

vpn-099bdcf2715adf5f8

Transit gateway

-

VPC

vpc-0f259af6b0e23ff8d

Local IPv4 network CIDR

0.0.0.0/0

Core network ARN

-

Secrets management ARN

-

State

Available

Customer gateway address

172.172.178.226

Routing

Static

Remote IPv4 network CIDR

0.0.0.0/0

Core network attachment ARN

-

Virtual private gateway

vgw-0c13d448d8d6b7b3e

Type

ipsec.1

Acceleration enabled

Disabled

Local IPv6 network CIDR

-

Gateway association state

Associated

Customer gateway

cgw-0b5c903272c410def

Category

VPN

Authentication

Pre-shared key

Remote IPv6 network CIDR

-

Outside IP address type

Public IPv4

Tunnel details

Static routes

Tags

USAR O IP DA SUBNET DA AZURE

10 IR EM DOWNLOAD CONFIGURATION

Download configuration

Actions

Virtual private gateway

vgw-0c13d448d8d6b7b3e

Customer gateway

cgw-0b5c903272c410def

Category

VPN

11 DEIXAR ASSIM E APERTAR DOWNLOAD

Download a sample configuration based on your customer gateway. Note that this is a sample only, and that it will require modification for using Advanced Algorithms, Certificates, and/IPv6.

Vendor
The manufacturer of the customer gateway device (for example, Cisco Systems, Inc).

Generic

Platform
The class of the customer gateway device (for example, J-Series).

Generic

Software
The operating system running on the customer gateway device (for example, ScreenOS).

Vendor Agnostic

IKE version
The IKE version you are using for your VPN connection.

ikev2

Include sample type - optional

☐ Enable

Sample type
The default sample type compatibility mode includes all options. The recommended mode restricts options to only the most secure settings (IKEv2, etc.).

Select sample type

Cancel Download

E ABRIR O ARQUIVO DE CONFIGURAÇÃO

12 CRIAR LOCAL NETWORK GATEWAY NA AZURE

Página inicial > Hybrid connectivity

Hybrid connectivity | Local network gateways

Versão prévia

Pesquisar

+ Criar Gerenciar a exibição Atualizar Exportar para CSV Abrir a consulta Atribuir marcações

Overview

ExpressRoute

VPN gateway

Set up VPN Gateway

VPN gateways

VPN connections

Local network gateways

Virtual WAN

Filtrar por qualquer campo

Assinatura igual a tudo

Grupo de recursos igual a tudo

Localização igual a tudo

Adicionar filtro

Mostrando 1 a 2 de 2 registros.

Nome	Grupo de recursos	Localização	Assinatura
con-2	gp-Lorena	East US	Azure for Students
local-lorena	gp-Lorena	East US	Azure for Students

UM COM O IP E A CHAVE DO PRIMEIRO VIRTUAL PRIVATE GATEWAY
E O OUTRO COM O SEGUNDO

13 FAZER AS CONEXÕES

Página inicial > Hybrid connectivity | Local network gateways > I-lorena

I-lorena | Conexões

Local network gateway

Pesquisar

+ Adicionar Atualizar

Overview

Log de atividade

IAM (Controle de acesso)

Marcações

Visualizador de recursos

Configurações

Configuração

Pesquisar conexões

Nome	Status	Tipo de conexão	Gateway de rede virtual
CONEXAO1	Conectado	Site a site (IPsec)	VPN-Lorena

Página inicial > Hybrid connectivity | Local network gateways > I-lorena2

I-lorena2 | Conexões

Local network gateway

Pesquisar

+ Adicionar

Atualizar

Overview

Log de atividade

IAM (Controle de acesso)

Marcações

Visualizador de recursos

Configurações

Configuração

Conexões

Propriedades

Bloqueios

Automação

Atividade

Pesquisar conexões

Nome	Status	Tipo de conexão	Gateway de rede virtual
CONEXAO2	Conectado	Site a site (IPsec)	VPN-Lorena

14 COLOCAR NO ROUTE TABLES O VIRTUAL PRIVATE GATEWAY

Edit route propagation

Route table basic details

Route table ID
rtb-04a1664860a541b6c

Edit route propagation

Virtual Private Gateway
vgw-0c13d448d8d6b7b3e / vpg-lorena

Propagation
☒ Enable

Cancel

Save

15 ADICIONAR REGRAS DE ICMP E SSH

Edit inbound rules

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

Inbound rules

Security group rule ID

Type

Protocol

Port range

Source

Description - optional

sgr-050cb20d8a822d801

SSH

TCP

22

Custom

0.0.0.0/0

Delete

sgr-05bd9c5ccc65aedc4

All ICMP - IPv4

ICMP

All

Custom

0.0.0.0/0

Delete

Add rule

Cancel

Preview changes

Save rules

16 CRIAR INSTÂNCIA AWS

Instance summary for i-026ab2b0bb60a27bd (lorena-aws) Info			Connect	Instance state	Actions
Updated 4 minutes ago					
Instance ID	Public IPv4 address	Private IPv4 addresses			
i-026ab2b0bb60a27bd	75.101.170.23 open address	10.10.1.90			
IPv6 address	Instance state	Public DNS			
-	Running	-			
Hostname type	Private IP DNS name (IPv4 only)				
IP name: ip-10-10-1-90.ec2.internal	ip-10-10-1-90.ec2.internal				
Answer private resource DNS name	Instance type	Elastic IP addresses			
-	t3.micro	-			
Auto-assigned IP address	VPC ID	AWS Compute Optimizer finding			
75.101.170.23 [Public IP]	vpc-025f7d8c4fa30a3b1 (vpc-kaique)	Opt-in to AWS Compute Optimizer for recommendations. Learn more			
IAM Role	Subnet ID	Auto Scaling Group name			
-	subnet-0d692267a823e61a4 (subnet-kaique)	-			
IMDSv2	Instance ARN	Managed			
Required	arn:aws:ec2:us-east-1:945470376472:instance/i-026ab2b0bb60a27bd	false			
Operator					
-					

17 CRIAR VM NA AZURE

vm-lorena-Azure

Virtual machine

Search

Help me copy this VM in any region

Overview

Activity log

Access control (IAM)

Tags

Diagnose and solve problems

Resource visualizer

Connect

Networking

Network settings

Load balancing

Application security groups

Network manager

Settings

Disks

Extensions + applications

Connect

Start

Restart

Stop

Hibernate

Capture

Delete

Refresh

Open in mobile

Feedback

CLI / PS

Properties

Monitoring

Capabilities (7)

Recommendations

Tutorials

Virtual machine

Computer name

Operating system

VM generation

VM architecture

Agent status

Agent version

Hibernation

Host group

Host

Proximity placement group

Colocation status

Capacity reservation group

Disk controller type

vm-lorena-Azure

Linux (ubuntu 24.04)

V2

x64

Ready

2.13.1.1

Disabled

-

-

-

N/A

-

SCSI

Networking

Public IP address

Public IP address (IPv6)

Private IP address

Private IP address (IPv6)

Virtual network/subnet

DNS name

172.190.25.9 (Network interface vm-lorena-azure675)

-

172.10.1.5

-

vnet-kaique/vnet

[Configure](#)

Size

Size

Size

vCPUs

RAM

Standard D2s v3

2

8 GiB

Source image details

Source image publisher

Source image offer

canonical

ubuntu-24_04-lts

Azure Spot

LIBERAR ICMP

REALIZAR OS PINGS

AWS PINGANDO AZURE

```
ubuntu@ip-10-10-1-90:~$ ping 172.10.1.5
PING 172.10.1.5 (172.10.1.5) 56(84) bytes of data.
64 bytes from 172.10.1.5: icmp_seq=1 ttl=64 time=4.79 ms
64 bytes from 172.10.1.5: icmp_seq=2 ttl=64 time=5.94 ms
64 bytes from 172.10.1.5: icmp_seq=3 ttl=64 time=4.72 ms
64 bytes from 172.10.1.5: icmp_seq=4 ttl=64 time=4.25 ms
64 bytes from 172.10.1.5: icmp_seq=5 ttl=64 time=4.26 ms
64 bytes from 172.10.1.5: icmp_seq=6 ttl=64 time=5.17 ms
64 bytes from 172.10.1.5: icmp_seq=7 ttl=64 time=4.58 ms
64 bytes from 172.10.1.5: icmp_seq=8 ttl=64 time=4.42 ms
64 bytes from 172.10.1.5: icmp_seq=9 ttl=64 time=4.47 ms
64 bytes from 172.10.1.5: icmp_seq=10 ttl=64 time=4.53 ms
```

AZURE PINGANDO AWS

```
lorena@vm-lorena-Azure:~$ ping 10.10.1.90
PING 10.10.1.90 (10.10.1.90) 56(84) bytes of data.
64 bytes from 10.10.1.90: icmp_seq=1 ttl=64 time=4.45 ms
64 bytes from 10.10.1.90: icmp_seq=2 ttl=64 time=12.1 ms
64 bytes from 10.10.1.90: icmp_seq=3 ttl=64 time=7.83 ms
64 bytes from 10.10.1.90: icmp_seq=4 ttl=64 time=4.39 ms
```

TOPOLOGIA

