

Gcp – Configurations.

The screenshot shows the Google Cloud product page for Compute Engine API. The page title is "Compute Engine API" and it includes a "TESTAR ESTA API" button. The "Visão geral" section states: "Creates and runs virtual machines on Google Cloud Platform." The "Mais detalhes" section provides the following information:

- Tipo: [SaaS & APIs](#)
- Última atualização do produto: 23/03/2023
- Categoria: [Compute](#), [Networking](#), [Google Enterprise APIs](#)
- Nome do serviço: [compute.googleapis.com](#)

At the bottom, there is a notification: "Exibindo o projeto 'hybrid-gcp' na organização 'Sem organização'".

Create Vpc

The screenshot shows the Google Cloud VPC Network console for a project named "hybrid-gcp". The main view is "vpc1" and the "SUBNETS" tab is selected. The console displays a table of subnets:

Name	Region	Battery type	Main IPv4 Range	Secondary IPv4 ranges	IPv6 Ranges
sub-private	us-east1	IPV4	192.168.1.0/24		
sub1 public	us-east1	IPV4	10.0.1.0/24		

Below the subnets table, there is a section for "Proxy-only subnets reserved for load balancing" which is currently empty. On the right side, a "Crie uma sub-rede" panel is visible with a message: "Selecione pelo menos um recurso."

External IP

Reservar um endereço estático

console.cloud.google.com/networking/addresses/add?authuser=0&project=hybrid-gcp-416318

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VPC Network

Reserve a static address

Name *
gcp-vpc
Lowercase letters, numbers and hyphens are allowed

Description

Network service level ?
 Premium ?
 Current project-level tier, [change](#)
 Standard ?

IP version
 IPv4
 IPv6

Type
 Regional
 Global
 To be used with global forwarding rules. [know more](#)

Region
us-central1 (Iowa)

Attached to
None

Some of the instances may be disabled because of your organization's policy on external IPs for VM instances. [know more](#)

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VPC Network

IP addresses RESERVE EXTERNAL STATIC IP ADDRESS RESERVE INTERNAL STATIC IP ADDRESS TO UPDATE

ALL INTERNAL IP ADDRESSES EXTERNAL IP ADDRESSES IPV4 ADDRESSES IPV6 ADDRESSES

Filter Insira o nome ou o valor da propriedade

Name	IP address ↑	Access type	Region	Type ↓	Version	In use by	Subnet
<input type="checkbox"/>	gcp-vpc	34.135.13.151	Externo	us-central1	Estático	IPv4	Nenhum

Select an address

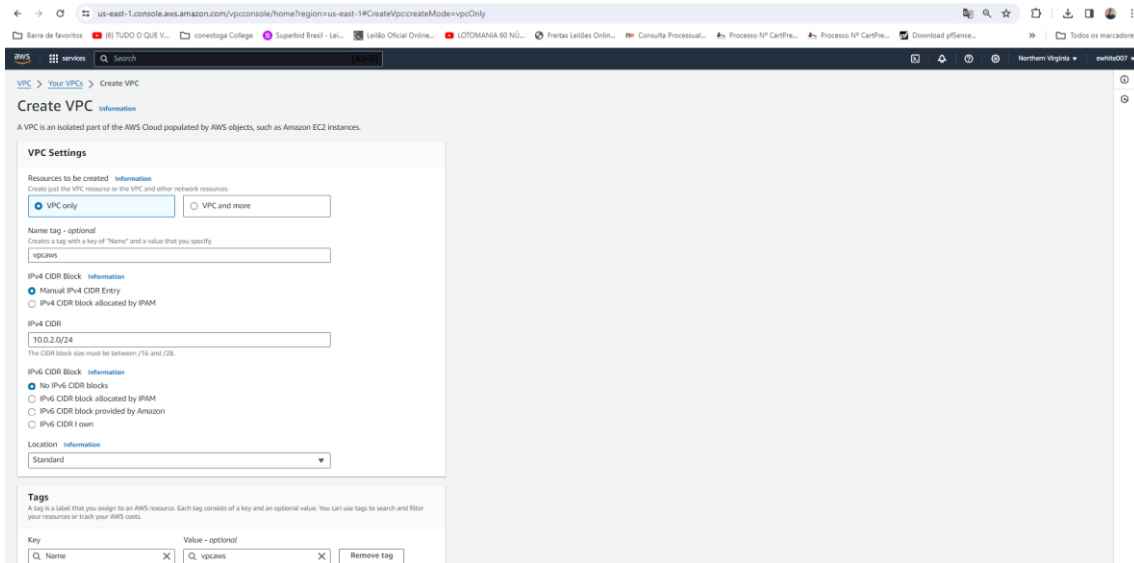
Bookmarks help you organize your resources. For example: cost_center:sales or env:prod.

No address selected.

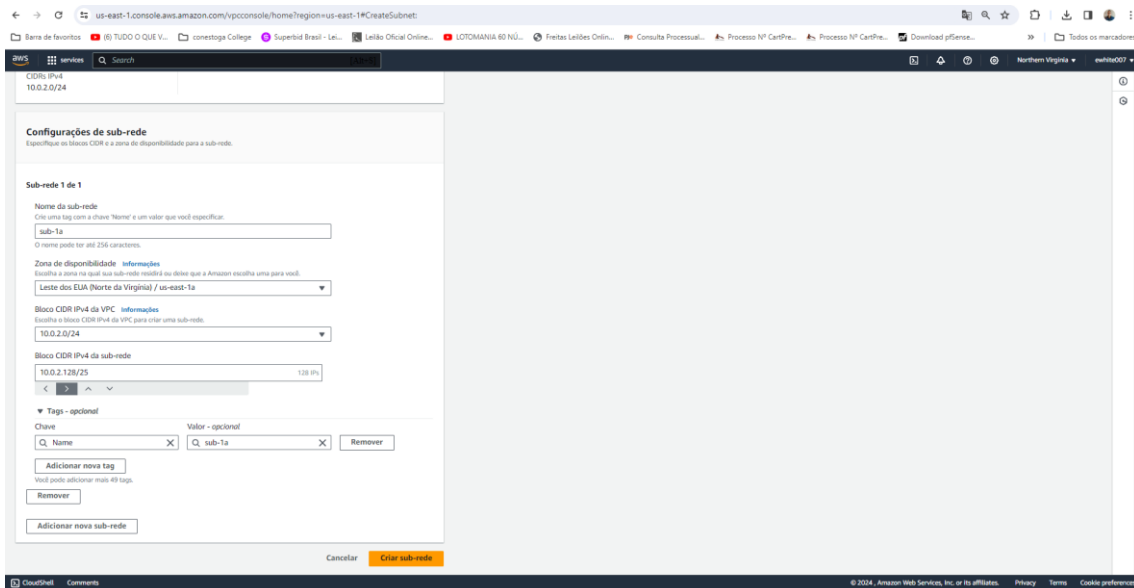
The address "gcp-vpc" has been created.

Create customer gateway. In aws cloud

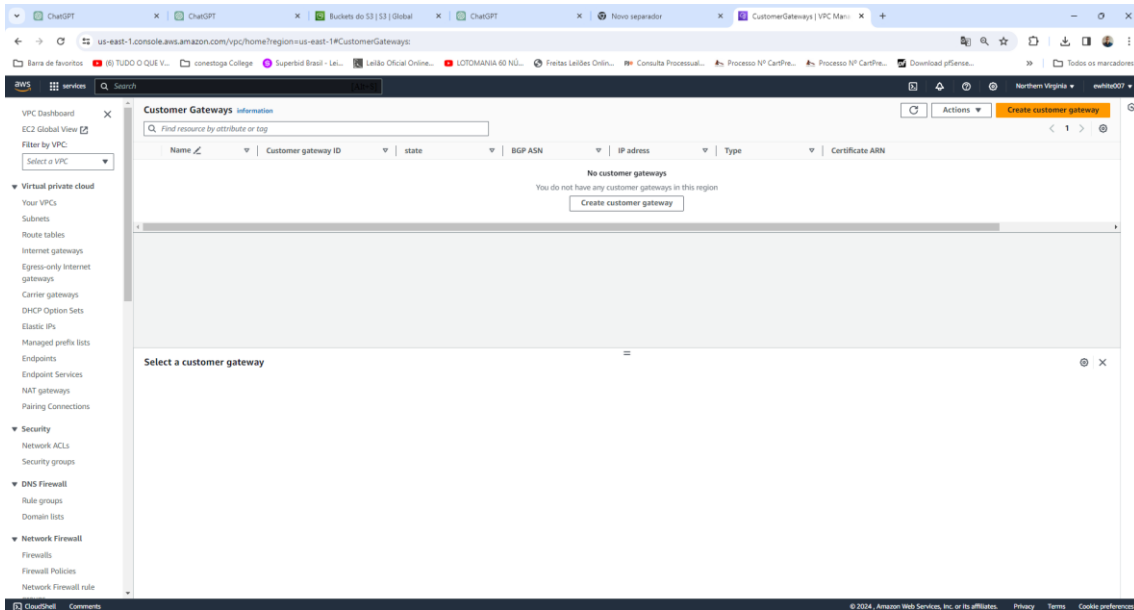
Create Vpc On aws.



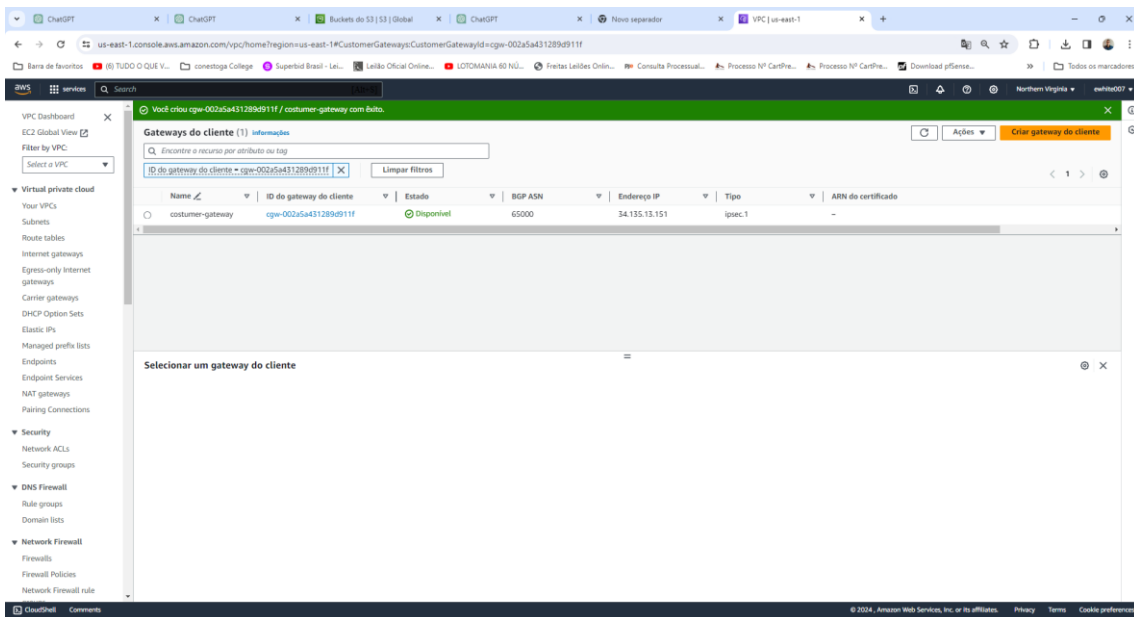
Create Sub-net on Aws



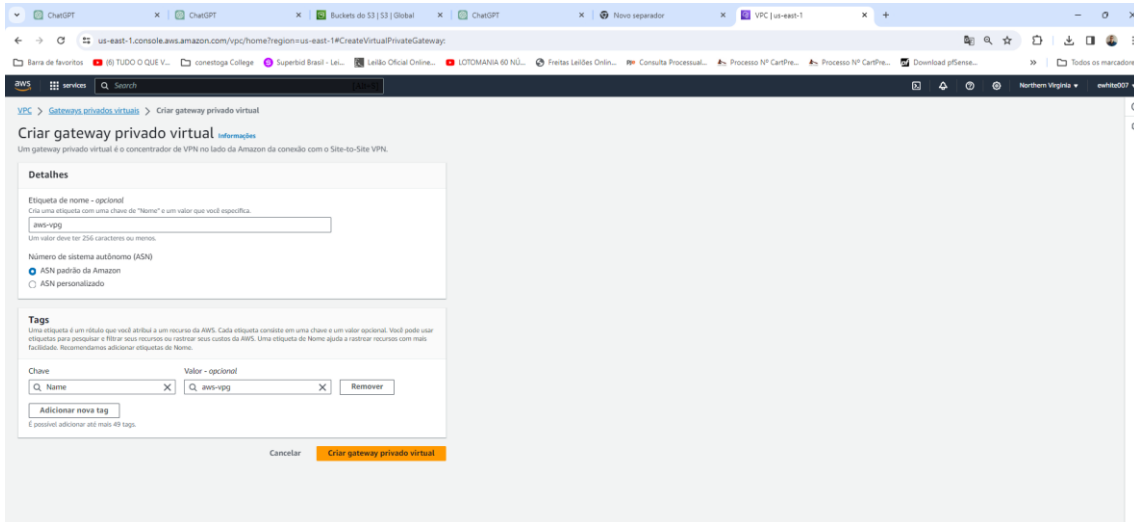
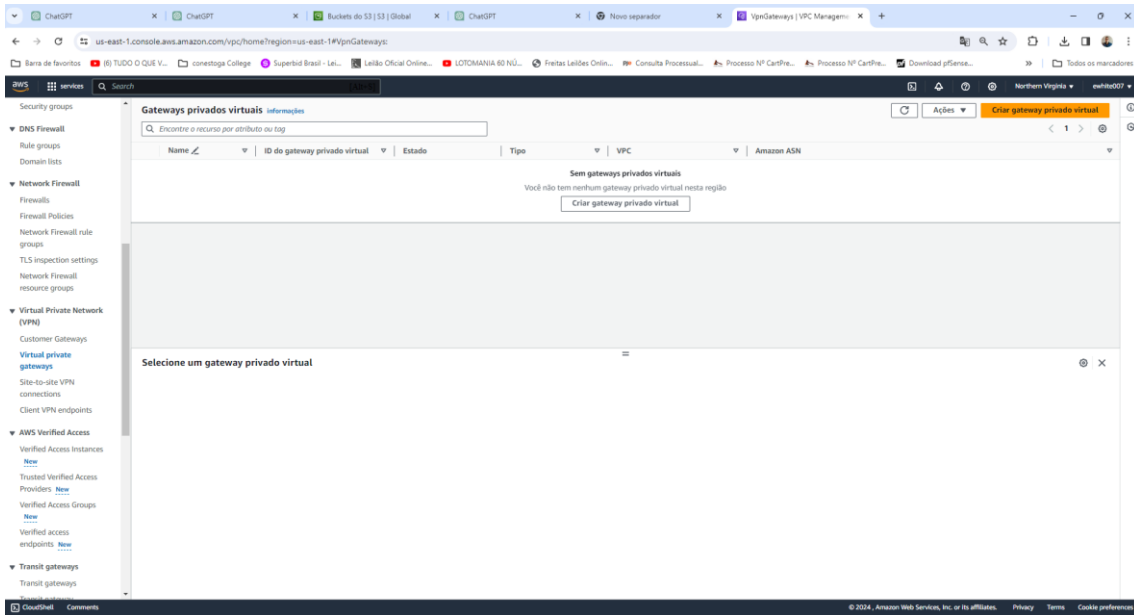
Customer gateway

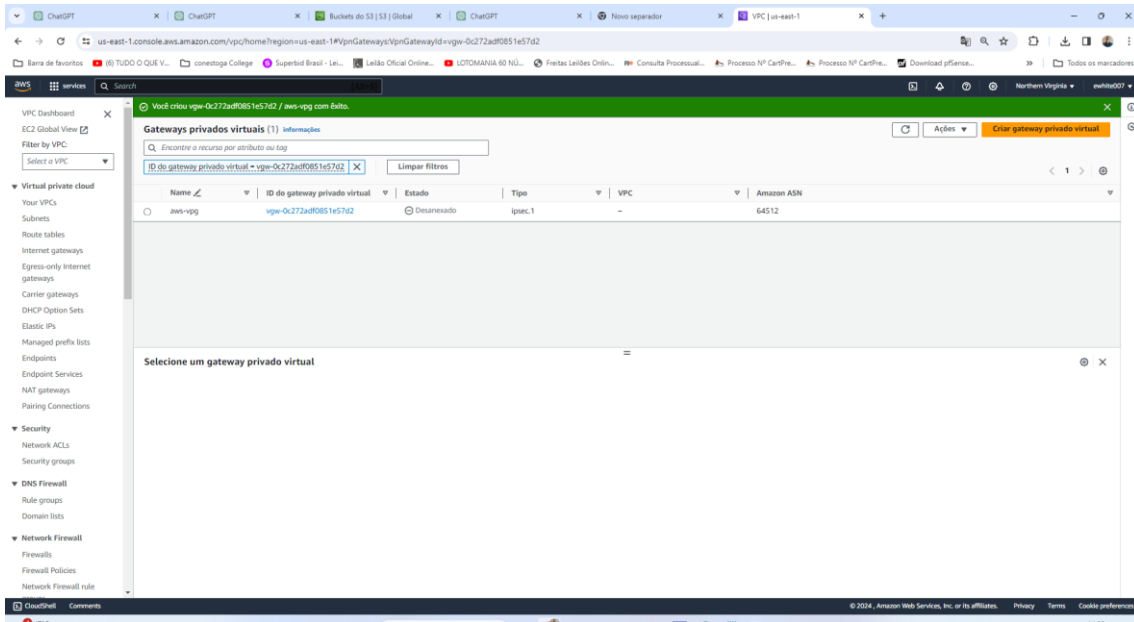


Create using ip vpc google cloud

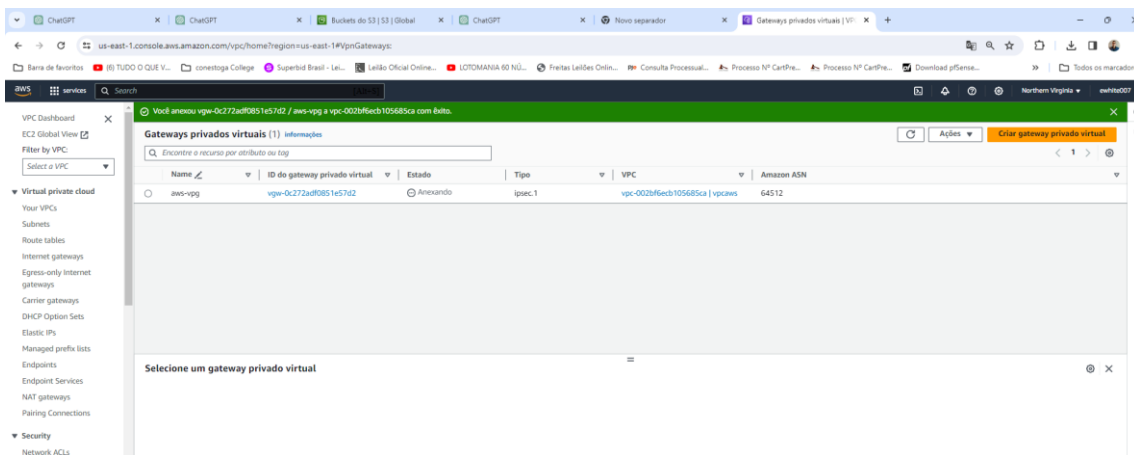
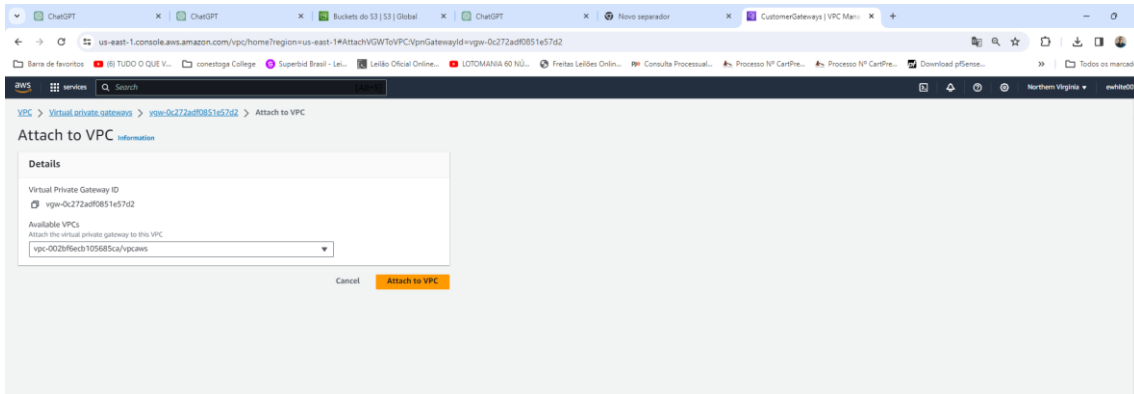


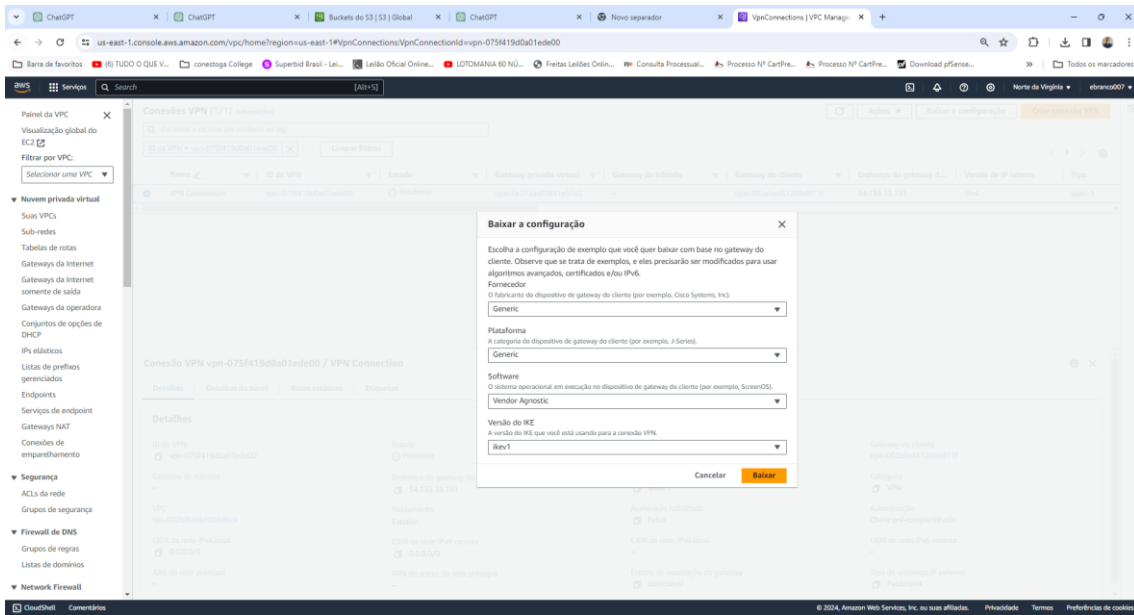
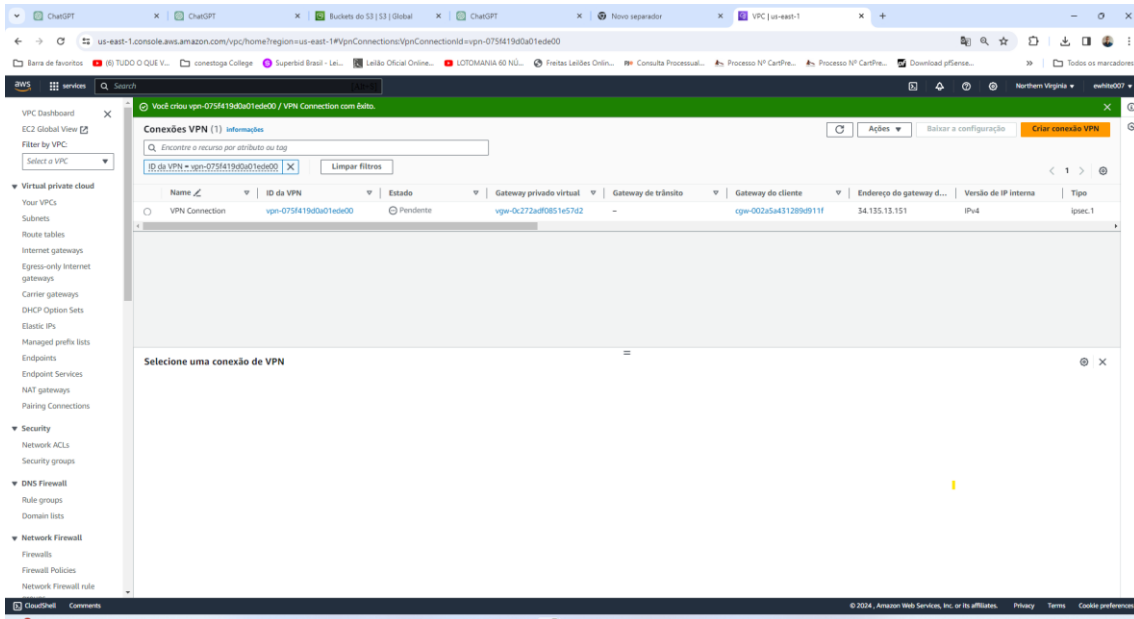
Create virtual private gateway





Attach to vpc





Return to GCP – to create vpn conection

Google Cloud console interface for creating a VPN connection. The page title is "Create a VPN connection". The left sidebar shows "VPC Network" selected, with sub-items: Network Connectivity Center, VPN, Interconexão, and Cloud Routers. The main content area explains that a virtual private network allows connecting Google Compute Engine resources to a private network. Below this is the "Google Compute Engine VPN Gateway" configuration form:

- Name ***: vpn-1 (Note: Lowercase letters, numbers and hyphens are allowed)
- Description**: (Empty text field)
- Network ***: (Dropdown menu)
- Region ***: us-central1 (Iowa) (Note: The region is permanent)
- IP address ***: (Dropdown menu)

Below the form is the "Tunnels" section, which states: "You can have multiple tunnels to a single peering VPN gateway." A "New tunnel" button is visible at the bottom.

Google Cloud console interface for creating a VPN connection. The page title is "Create a VPN connection". The left sidebar shows "VPC Network" selected, with sub-items: Network Connectivity Center, VPN, Interconexão, and Cloud Routers. The main content area explains that a virtual private network allows connecting Google Compute Engine resources to a private network. Below this is the "Google Compute Engine VPN Gateway" configuration form:

- Name ***: gcp-vpn-connection (Note: Lowercase letters, numbers and hyphens are allowed)
- Description**: (Empty text field)
- Network ***: vpc1
- Region ***: us-central1 (Iowa) (Note: The region is permanent)
- IP address ***: gcp-vpc

Below the form is the "Tunnels" section, which states: "You can have multiple tunnels to a single peering VPN gateway." A "New tunnel" button is visible at the bottom.

Google Cloud Hybrid-gcp vpn

VPC Network Create a VPN connection

Tunnels

You can have multiple tunnels to a single peering VPN gateway

New tunnel

Name *
awstogpc-tunnel-1
Lowercase letters, numbers and hyphens are allowed

Description

IP address of the remote terminal *
34.135.13.151

IKE version
IKEv2

Pre-shared IKE key *
JwstKKhvh716QcPoP57MDtyVG16LuErNi [GENERATE AND COPY](#)
Enter your own key or generate one automatically

Warning: Make sure you save the pre-shared key in a secure location. The key cannot be recovered after completing this form. [know more](#)

Routing Options

Dynamic (BGP)

Google Cloud Hybrid-gcp vpn

VPC Network Create a VPN connection

Enter your own key or generate one automatically

Warning: Make sure you save the pre-shared key in a secure location. The key cannot be recovered after completing this form. [know more](#)

Routing Options

Dynamic (BGP)
You cannot use dynamic routing (BGP) for connections outside of Google Cloud. [Learn more](#)

Route-based

Policy-based

Intervalos IP de rede remota *
10.0.2.0/24

Para informar vários intervalos de endereço IP em notação CIDR, pressione Enter depois de cada um

[CONCLUDE](#)

[ADD A TUNNEL](#)

[TO CREATE](#) [CANCEL](#)

EQUIVALENT COMMAND LINE

The screenshot shows the Google Cloud Network Connectivity console. The left sidebar includes 'Network Connectivity Center', 'VPN', 'Interconnection', and 'Cloud Routers'. The main content area is titled 'VPN' and features a 'VPN SETUP WIZARD' and 'RECOMMENDED ALERTS'. A prominent banner reads 'Start leveraging real-time analytics' with a list of benefits: 'View your network resources', 'Diagnose and prevent connectivity issues', 'Access latency and packet loss metrics', and 'Maintain strict and efficient firewall rules'. Below this, there are tabs for 'CLOUD VPN TUNNELS', 'CLOUD VPN GATEWAYS', and 'PEERING VPN GATEWAYS'. A 'CREATE VPN GATEWAY' button is visible. A table lists VPN gateways, with one entry for 'vpn-1' showing an IP address of '34.135.13.151', VPC Network 'vpc1', Region 'us-central1', and VPN tunnels 'gcpaws-tunnel-1'. A right-hand panel for 'vpn-1' includes a 'BOOKMARKS' section with an '+ ADD BOOKMARK' button and 'TO SAVE DISCARD CHANGES' options.

Go aws account to edit route

The screenshot shows the AWS Management Console 'Editar rotas' (Edit Routes) page. The breadcrumb trail is 'VPC > Tabelas de rotas > rtb-054a9bb1a31f52d6 > Editar rotas'. The page displays a table of routes for destination '10.0.2.0/24'. The table has columns for 'Destino', 'Alvo', 'Status', and 'Propagado'. The current route is for destination '10.0.0.0/0' with target 'Gateway da Internet' and status 'Ativo'. A search box for 'Q: 0.0.0.0/0' is active. Below the table is an 'Adicionar rota' button. At the bottom right, there are 'Cancelar', 'Visualização', and 'Salvar alterações' buttons.

The screenshot shows the AWS Management Console 'Editar rotas' (Edit Routes) page, similar to the previous one. The breadcrumb trail is 'VPC > Tabelas de rotas > rtb-054a9bb1a31f52d6 > Editar rotas'. The table shows routes for destination '10.0.2.0/24'. The current route is for destination '10.0.1.128/25' with target 'Gateway privado virtual' and status 'Ativo'. A search box for 'Q: 10.0.1.128/25' is active. Below the table is an 'Adicionar rota' button. At the bottom right, there are 'Cancelar', 'Visualização', and 'Salvar alterações' buttons.

us-east-1.console.aws.amazon.com/vpc/home?region=us-east-1#VpnConnections:

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Painel da VPC
Visualização global do EC2
Filtrar por VPC: Seleccionar uma VPC

▼ Nuvem privada virtual
Suas VPCs
Sub-redes
Tabelas de rotas
Gateways da Internet
Gateways da Internet somente de saída
Gateways da operadora
Conjuntos de opções de DHCP
IPs elásticos
Listas de prefixos gerenciados
Endpoints
Serviços de endpoint
Gateways NAT
Conexões de emparelhamento

Conexões VPN (1/1) informações

Encontre o recurso por atributo ou tag

Name	ID da VPN	Estado	Gateway privado virtual	Gateway de trânsito	Gateway do cliente	Endereço
VPN Connection	vpn-075f419d0a01ede00	Disponível	vgw-0c272adff0851e57d2	-	cgw-002a5a431289d911f	34.135.13

Conexão VPN vpn-075f419d0a01ede00 / VPN Connection

⚠ Essa conexão VPN não está usando ambos os túneis. Esse modo de operação não está altamente disponível, e é altamente recomendável configurar o segundo túnel.

Estado do túnel

Número do túnel	Endereço IP externo	CIDR IPv4 interno	CIDR IPv6 interno	Status	Última alteração de status	Detalhes	ARN do certificado
Tunnel 1	34.234.26.143	169.254.177.20/30	-	Para cima	March 5, 2024, 22:18:14 (UTC-05:00)	-	-
Tunnel 2	52.70.235.158	169.254.228.196/30	-	Para baixo	March 5, 2024, 14:32:21 (UTC-05:00)	-	-

▶ Opções do túnel 1

▶ Opções do túnel 2

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