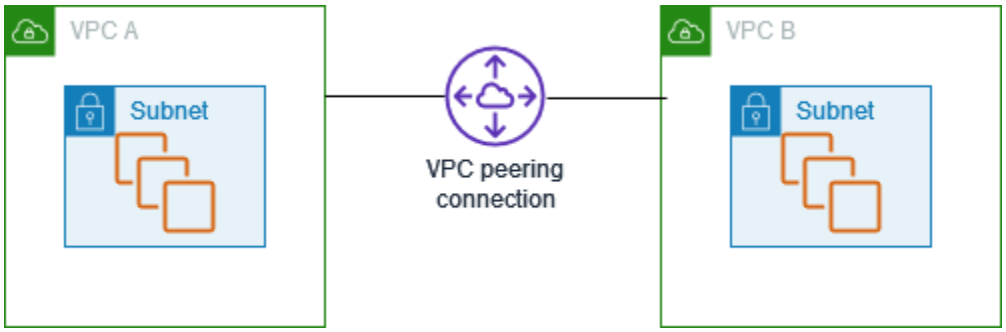
Lab 2: Créer Un VPC Peering connection entre 2 VPC

Architecture



Objectifs:

- Créer des VPC
- Créer les tables de routages
- Créer les sous réseaux
- Créer une passerelle internet
- Créer une peering connection

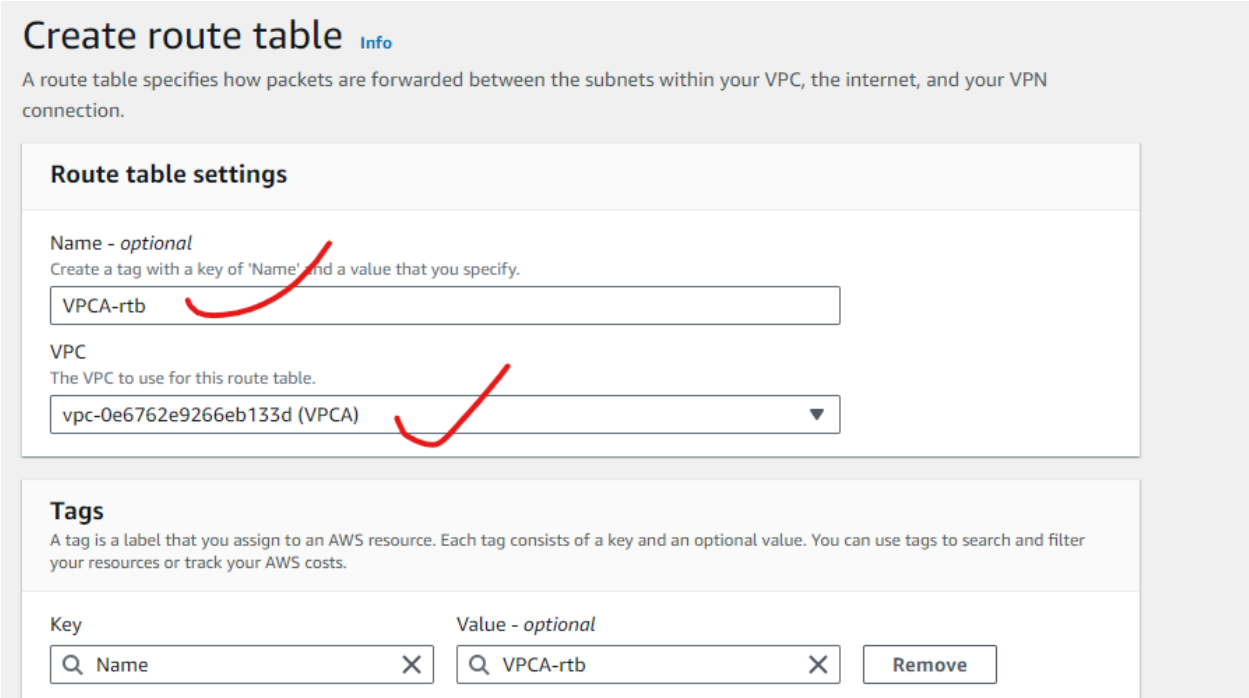
.

Réalisation

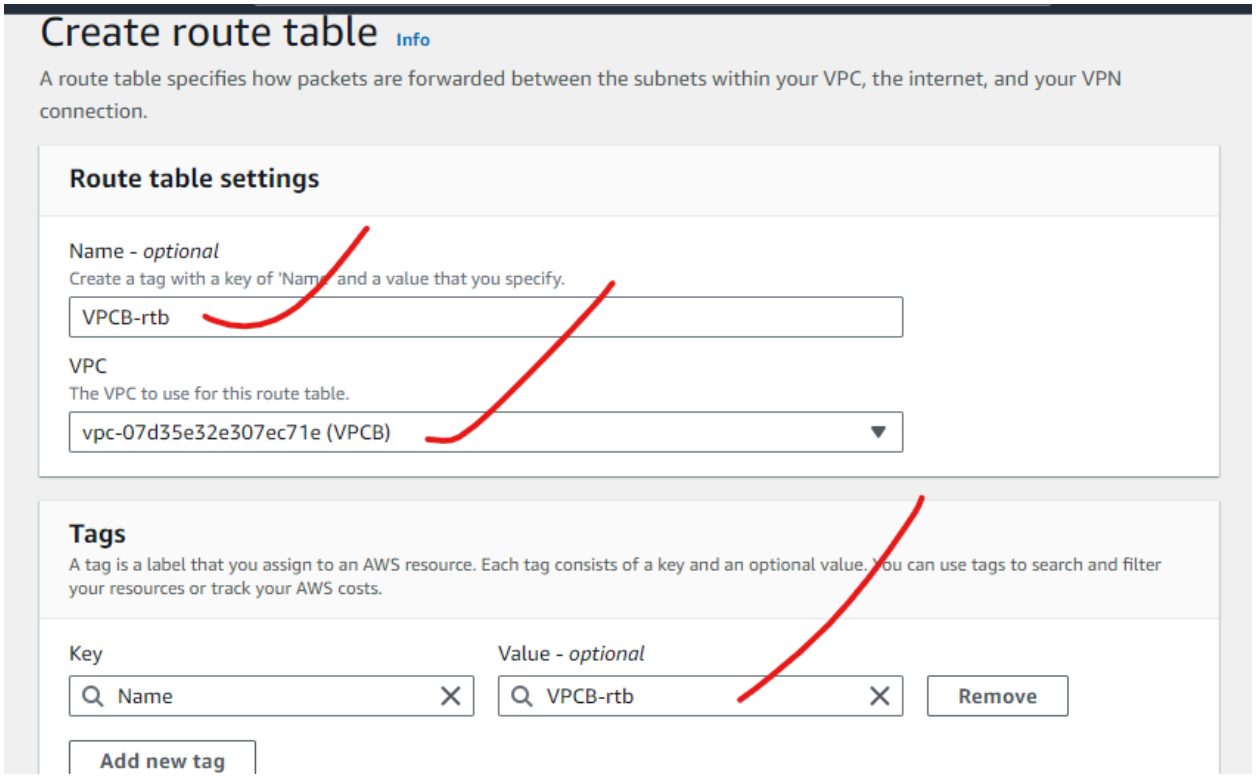
- Ouvrez votre console de gestion AWS, au niveau de la barre de recherche, tapez VPC et créez 2 VPC, VPCA et VPCB
    - VPCA: 12.0.0.0/16

- VPCB: 13.0.0.0/16

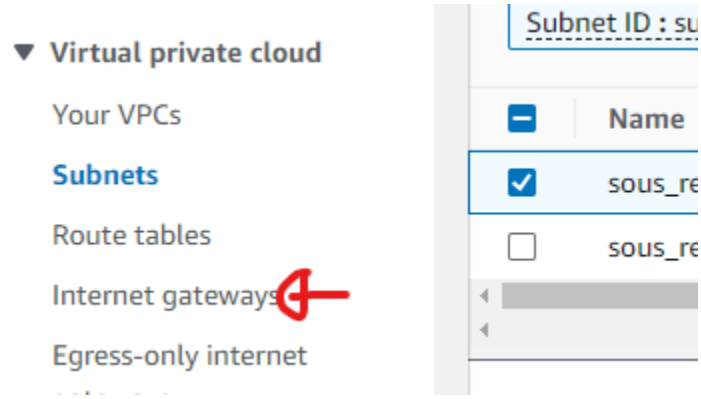
- Créer 2 tables de routages respectivement pour le VPC A et le VPC B
  - Table de routage du VPCA

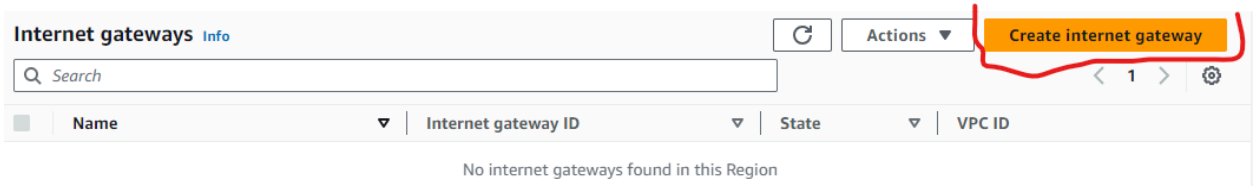


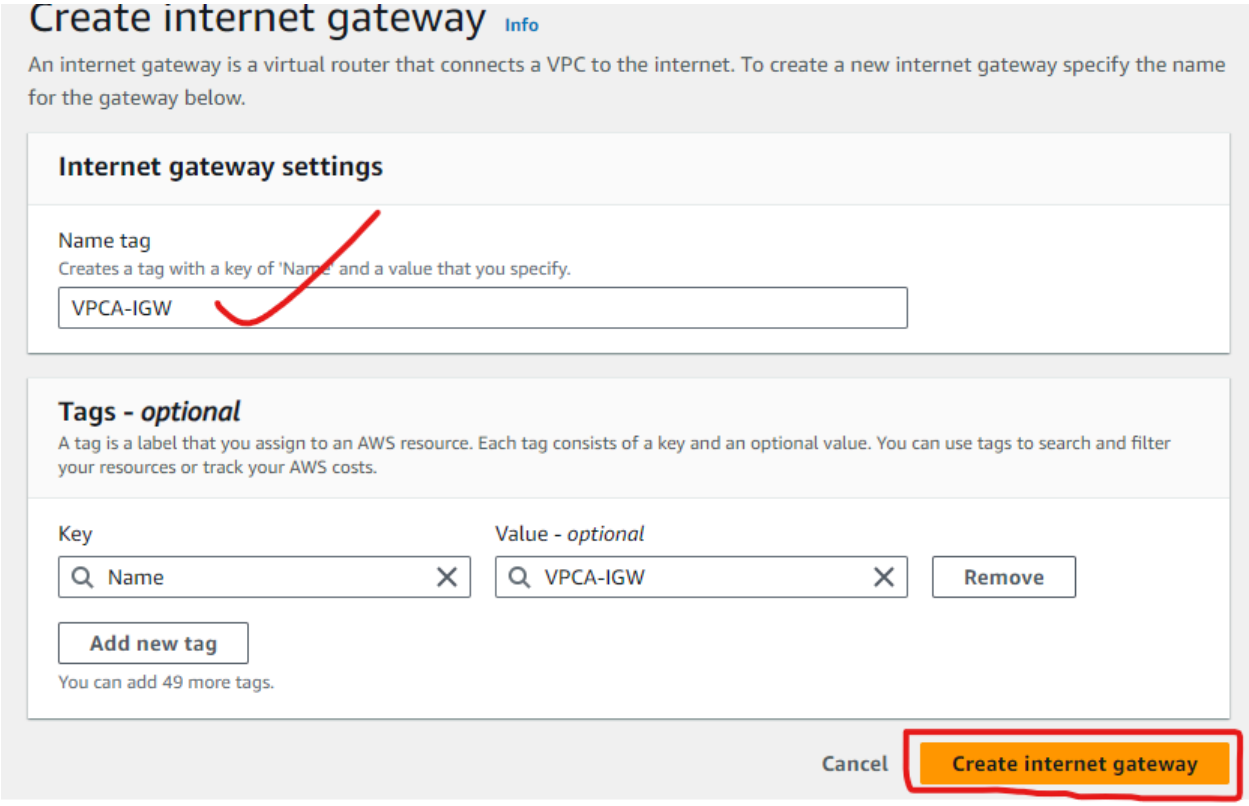
  - Table de routage du VPCB

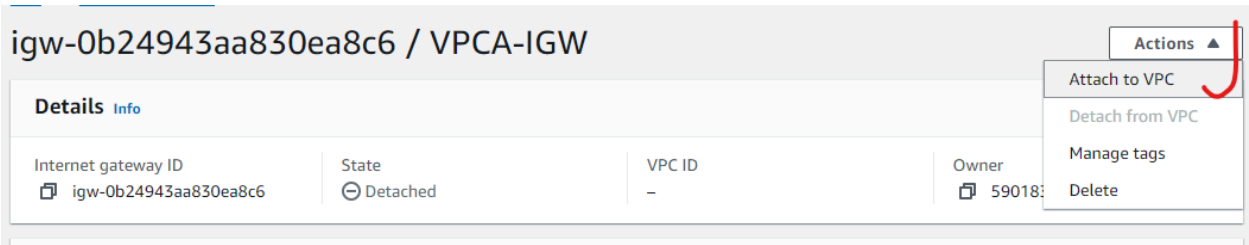


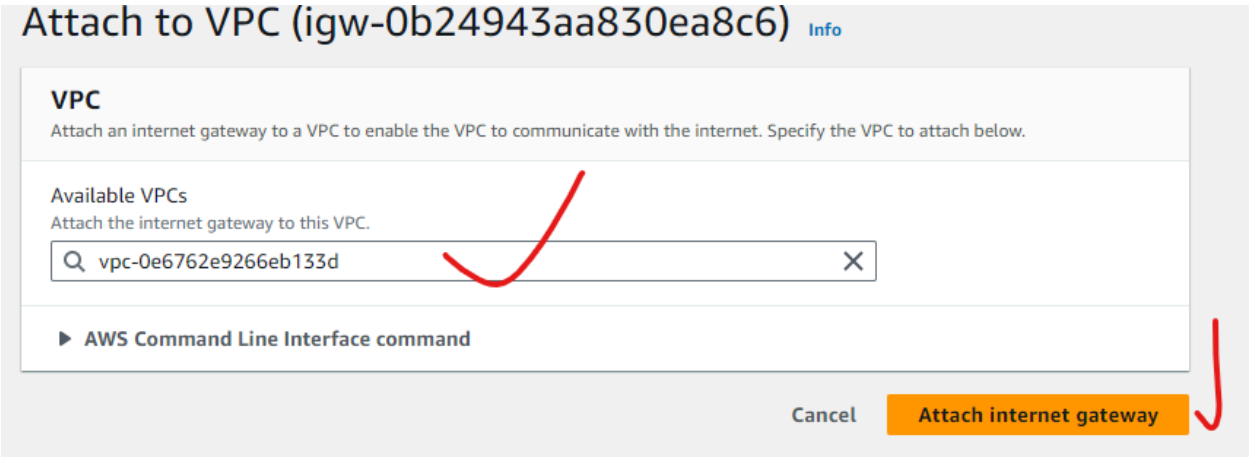
- Créez 2 sous réseaux public respectivement pour le VPCA et VPCB
- Créez la passerelle internet respectivement pour VPCA et VPCB
    - Passerelle internet pour VPC A



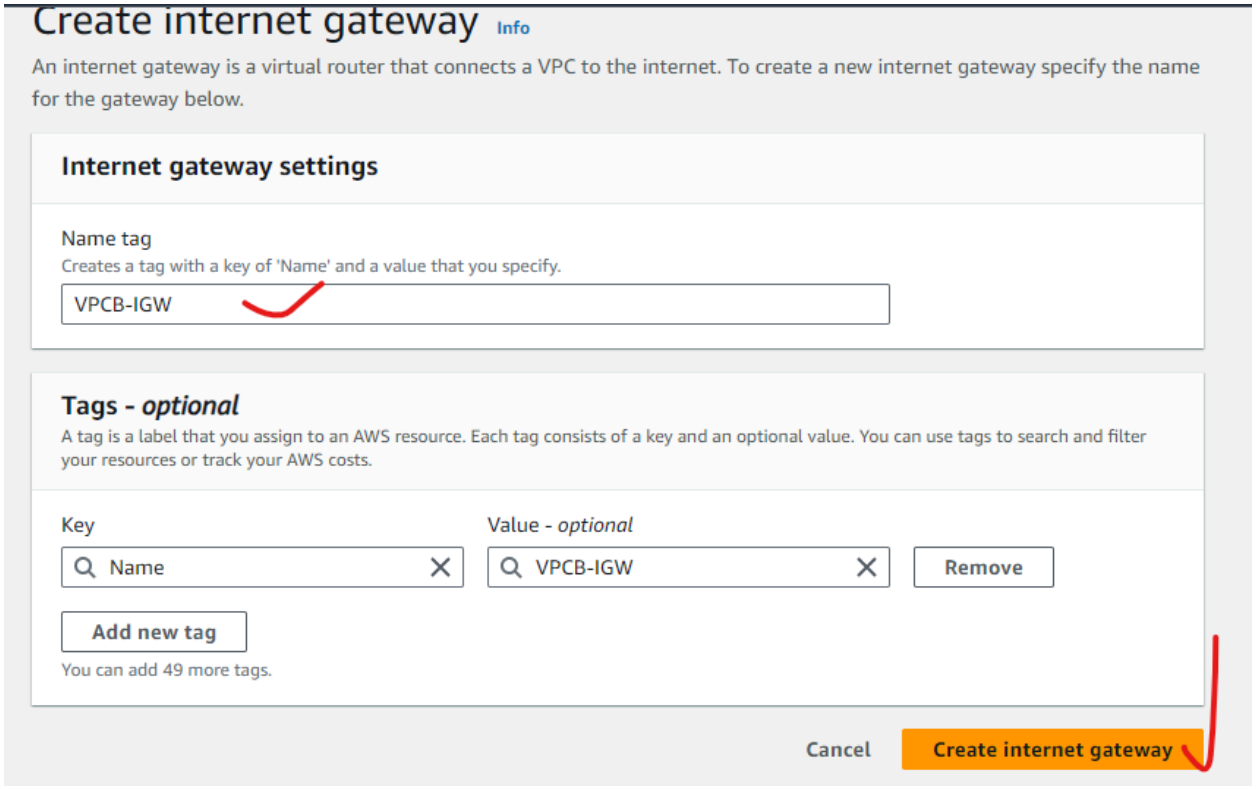


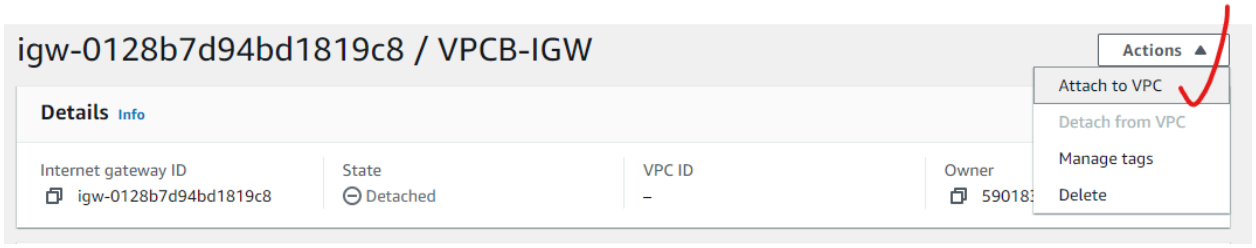


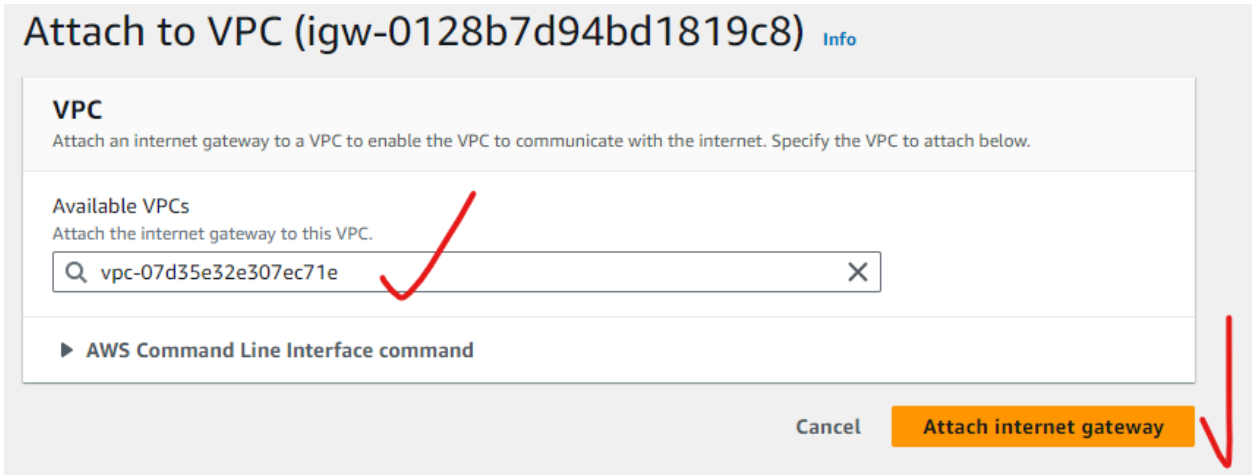




- Passerelle internet pour VPC B

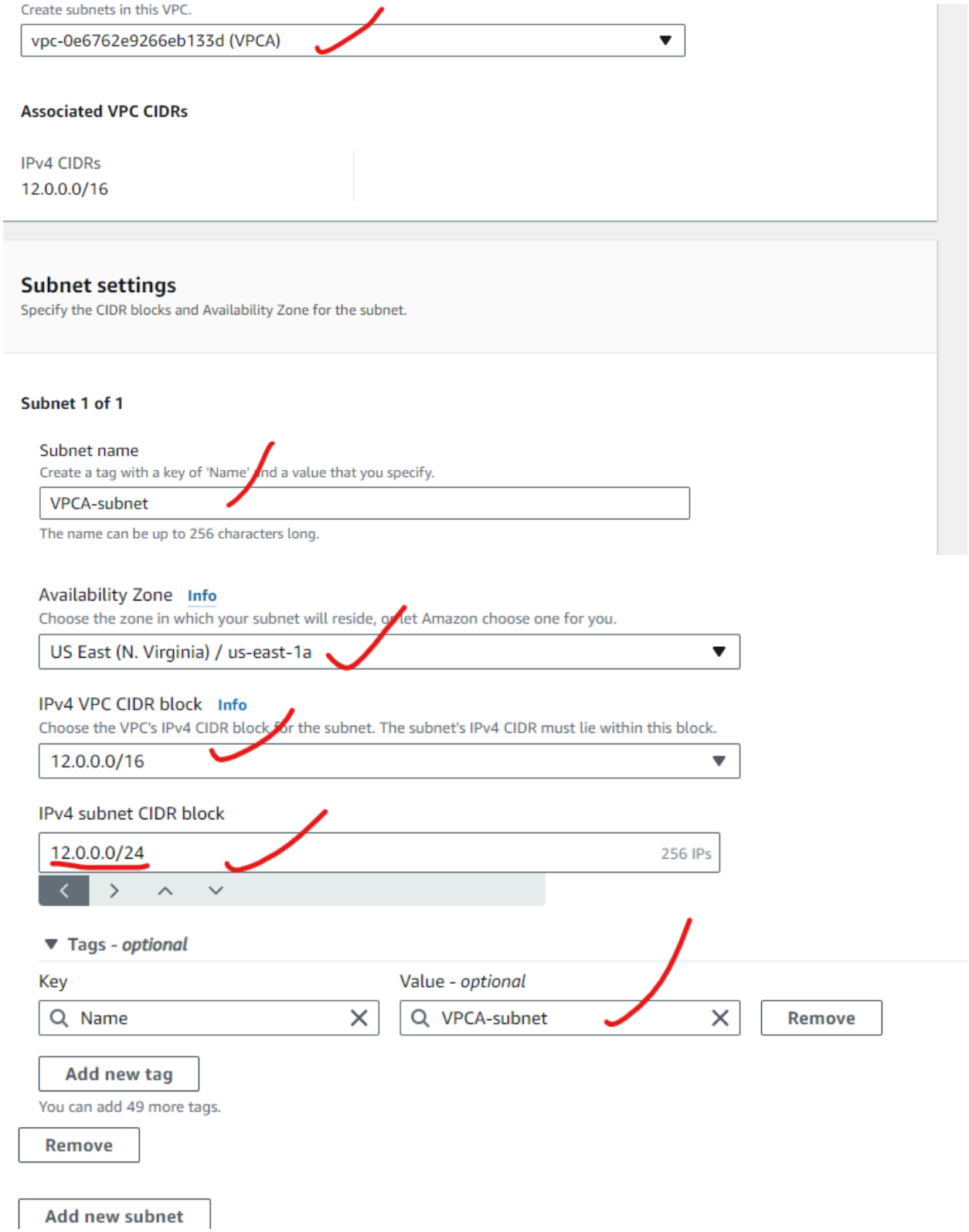






- Créez 2 sous réseaux respectivement pour le VPCa et VPCB

- Sous réseaux VPC A



- Sous réseau VPC B

VPC ID

Create subnets in this VPC.

vpc-07d35e32e307ec71e (VPCB)

Associated VPC CIDRs

IPv4 CIDRs

13.0.0.0/16

Subnet settings

Specify the CIDR blocks and Availability Zone for the subnet.

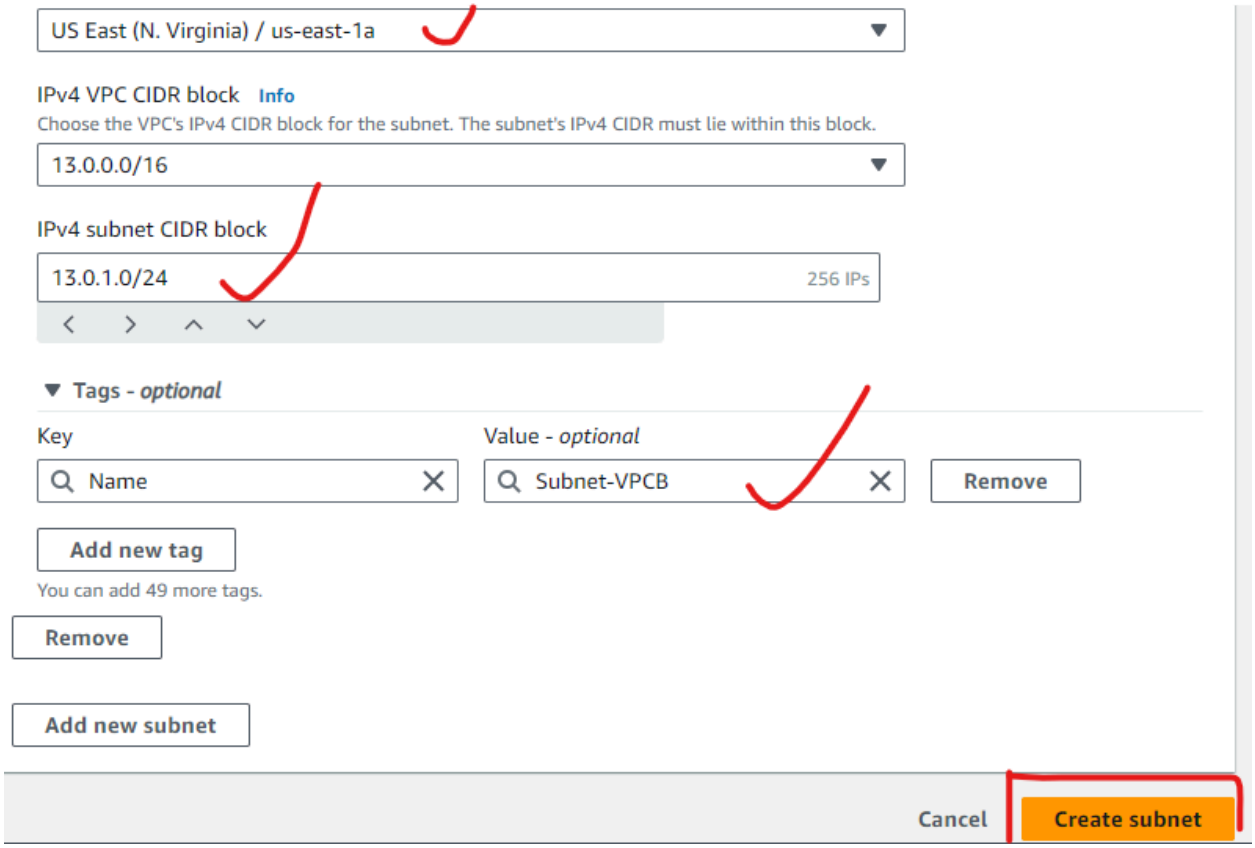
Subnet 1 of 1

Subnet name

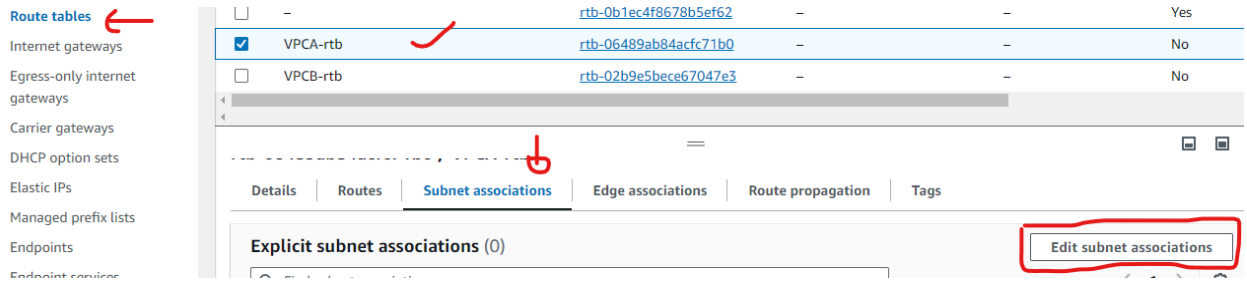
Create a tag with a key of 'Name' and a value that you specify.

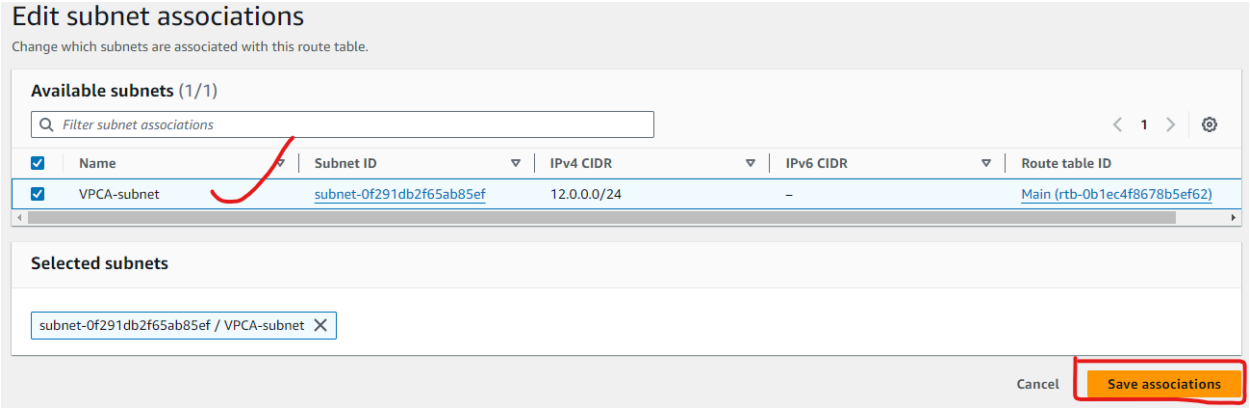
Subnet-VPCB

The name can be up to 256 characters long.



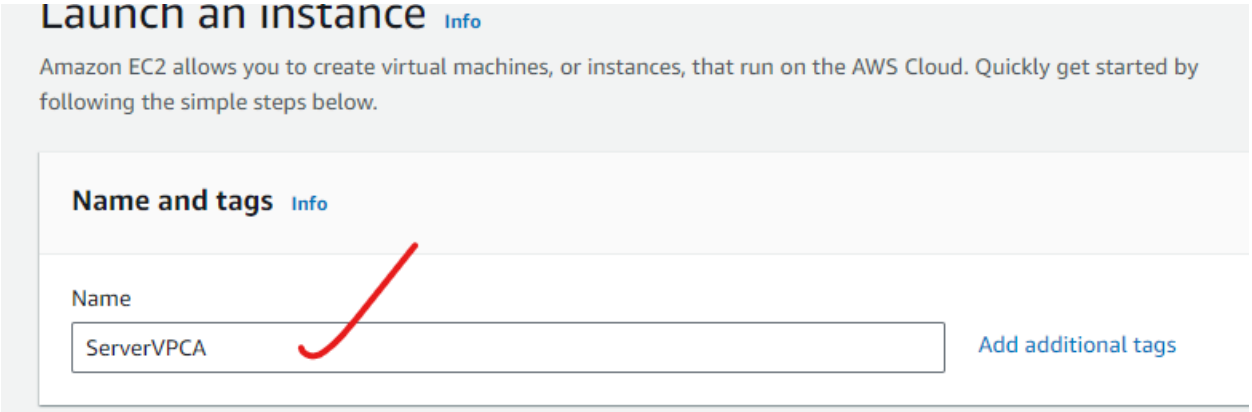
- Association des sous réseaux aux routes respectives
  - VPCA-rtb





- VPC B: vous faites la même association que le précédent, sauf que c'est pour le VPC B.

- Lancez **2 serveurs** EC2 **Ubuntu** respectivement dans le **VPCA** et **VPCB** et installez le serveur apache dans chacun d'eux.
  - Server VPC A



Application and OS Images (Amazon Machine Image) Info

An AMI is a template that contains the software configuration (operating system, application server, and applications) required to launch your instance. Search or Browse for AMIs if you don't see what you are looking below

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Including AMIs fro AWS, Marketplace a the Community

Amazon Machine Image (AMI)

Ubuntu Server 24.04 LTS (HVM), SSD Volume Type — Free tier eligible

Instance type

t2.micro — Free tier eligible

Family: t2 1 vCPU 1 GiB Memory Current generation: true
On-Demand Windows base pricing: 0.0162 USD per Hour
On-Demand SUSE base pricing: 0.0116 USD per Hour
On-Demand RHEL base pricing: 0.0716 USD per Hour
On-Demand Linux base pricing: 0.0116 USD per Hour

All generations

Compare instance types

Additional costs apply for AMIs with pre-installed software

Key pair (login) Info

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*

VPCAKey

Create new key pair

Network settings Info

VPC - *required* Info

vpc-0e6762e9266eb133d (VPCA)
12.0.0.0/16

Subnet Info

subnet-0f291db2f65ab85ef VPCA-subnet
VPC: vpc-0e6762e9266eb133d Owner: 590183799597
Availability Zone: us-east-1a IP addresses available: 251 CIDR: 12.0.0.0/24)

Auto-assign public IP Info

Enable

Additional charges apply when outside of free tier allowance

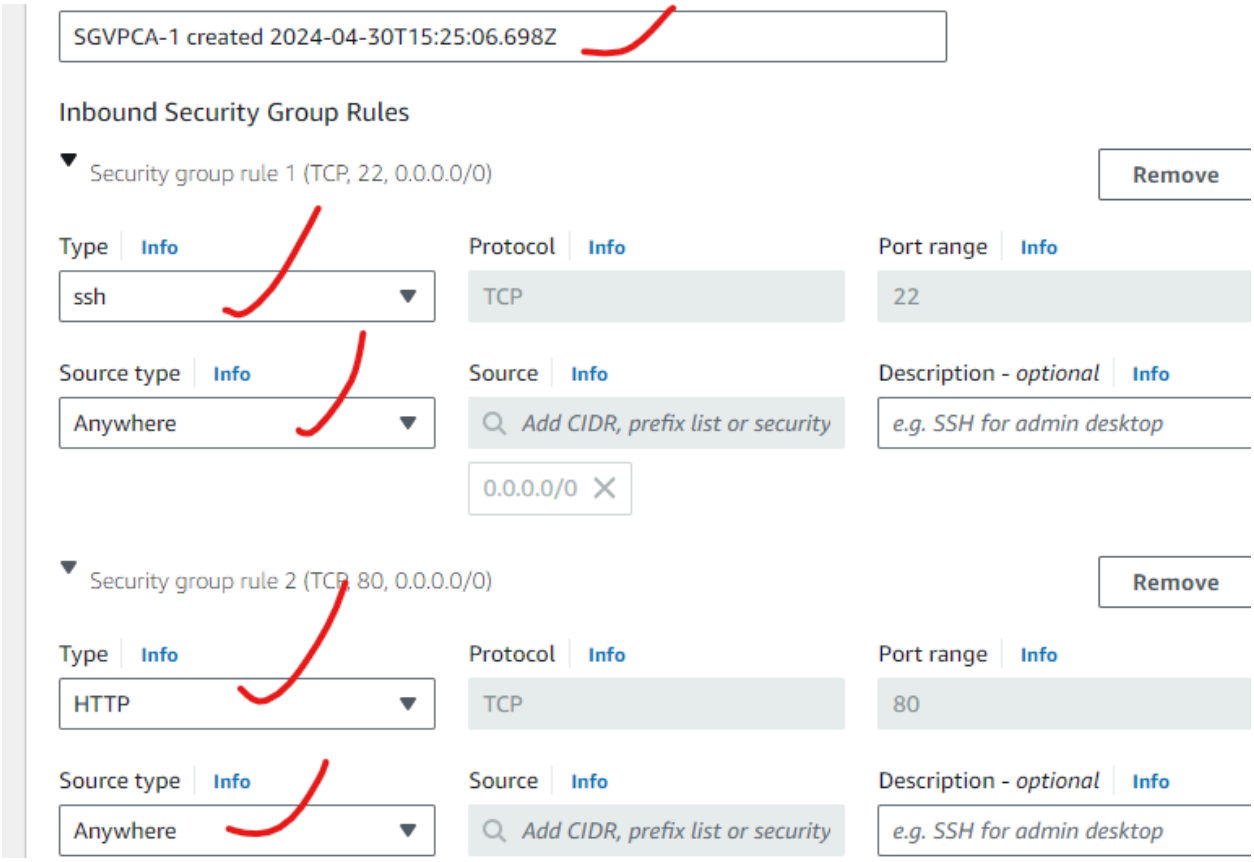
Firewall (security groups) Info

A security group is a set of firewall rules that control the traffic for your instance. Add rules to allow spe
instance.

(•) Create security group ( ) Select existing security group

Security group name - *required*

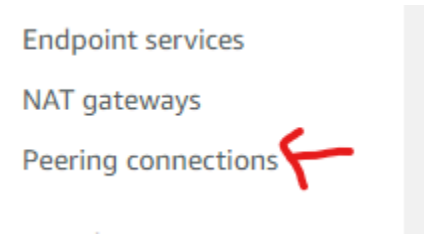
SGVPCA-1

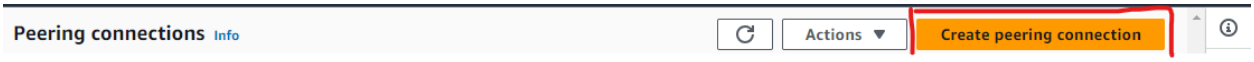


Entrez dans les détails avancés, au niveau de **user data ou données utilisateur**, **collez script d'installation d'apache qui accompagne ce lab.** Pour cliquer sur lancer l'instance.

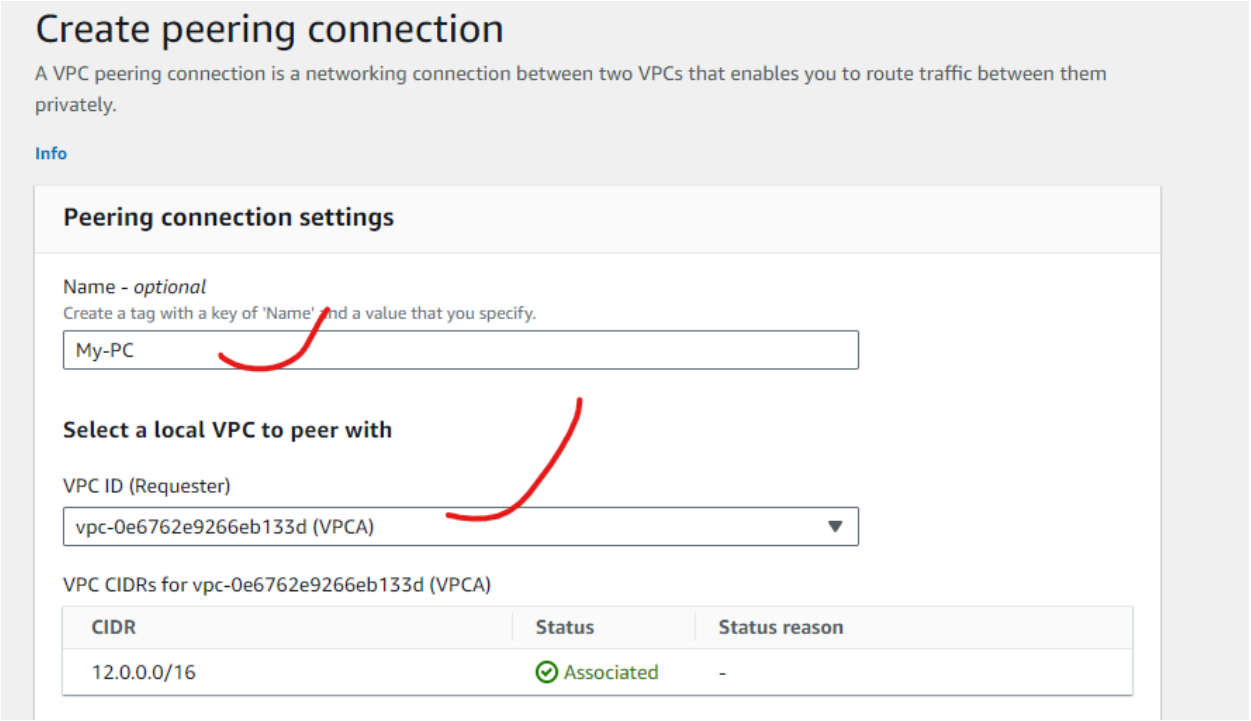
- Server VPC B: faites le même processus de bout en bout.

- **Créez une connexion peering**

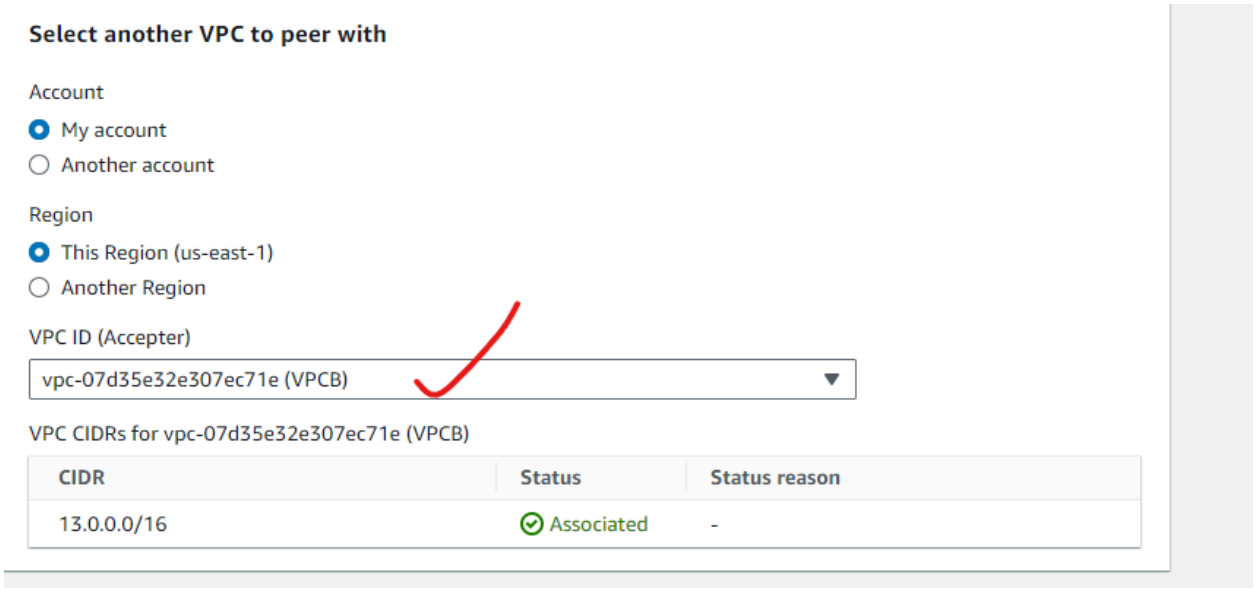


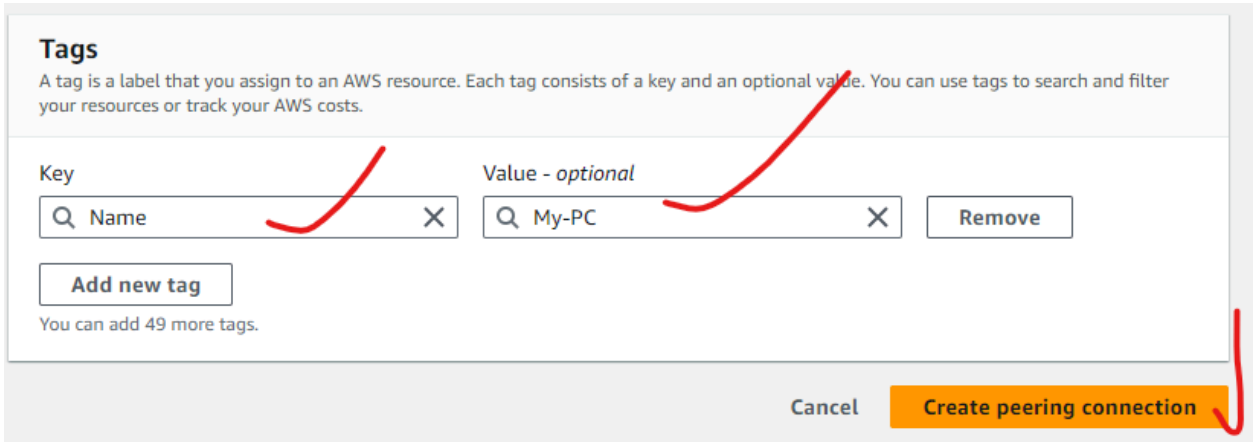


- **Nom :** si vous le souhaitez, vous pouvez nommer votre connexion d'appairage de VPC.
- **ID de VPC (Demandeur) :** sélectionnez le VPC dans votre compte avec lequel vous souhaitez créer la connexion d'appairage de VPC

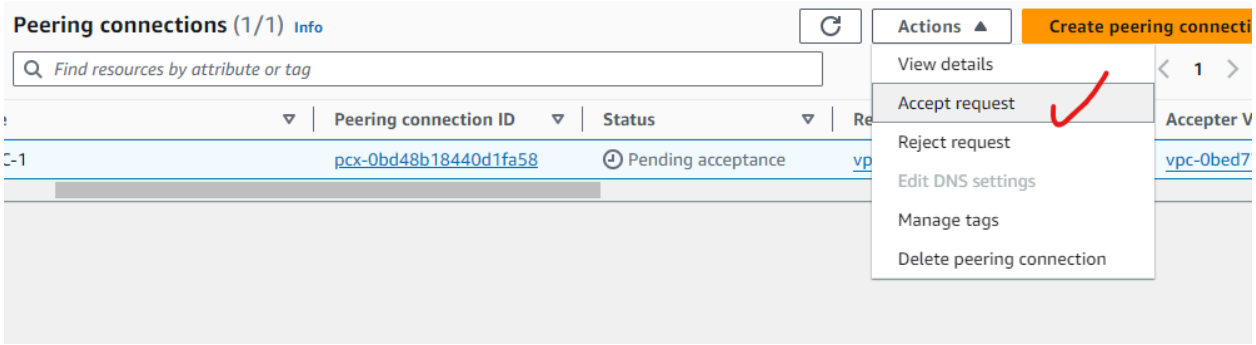


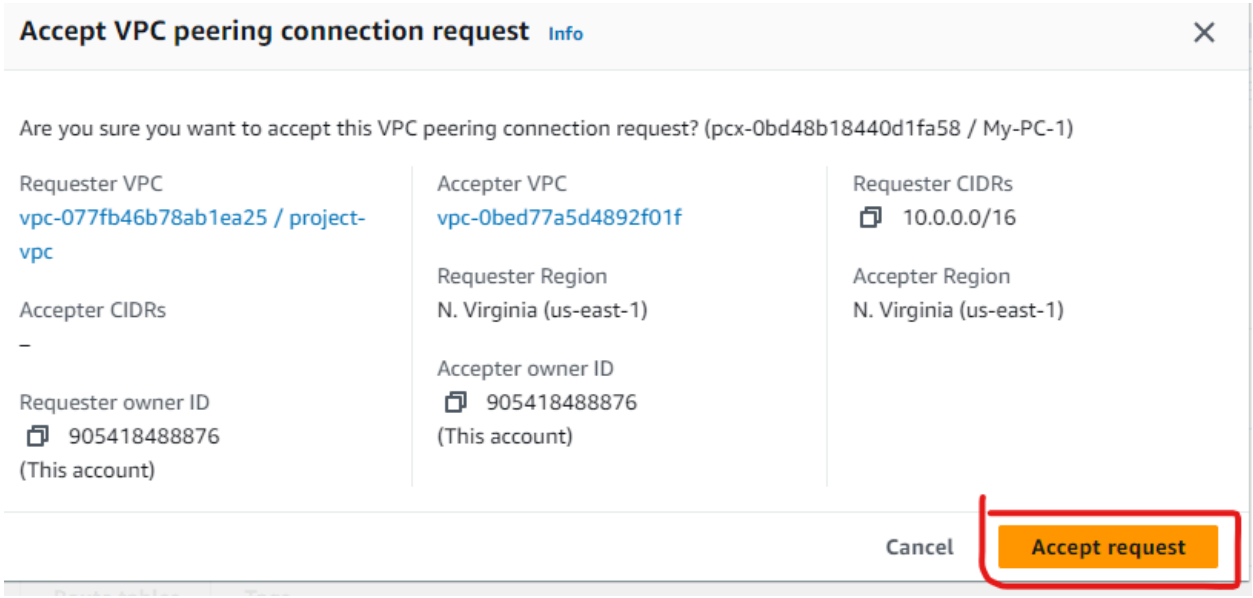
- **Pour sélectionner un autre VPC auquel s'appairer :** choisissez Mon compte et sélectionnez un autre de vos VPC.
- (Facultatif) Pour ajouter une identification, choisissez Add new tag (Ajouter une identification) et saisissez la clé et la valeur de l'identification.





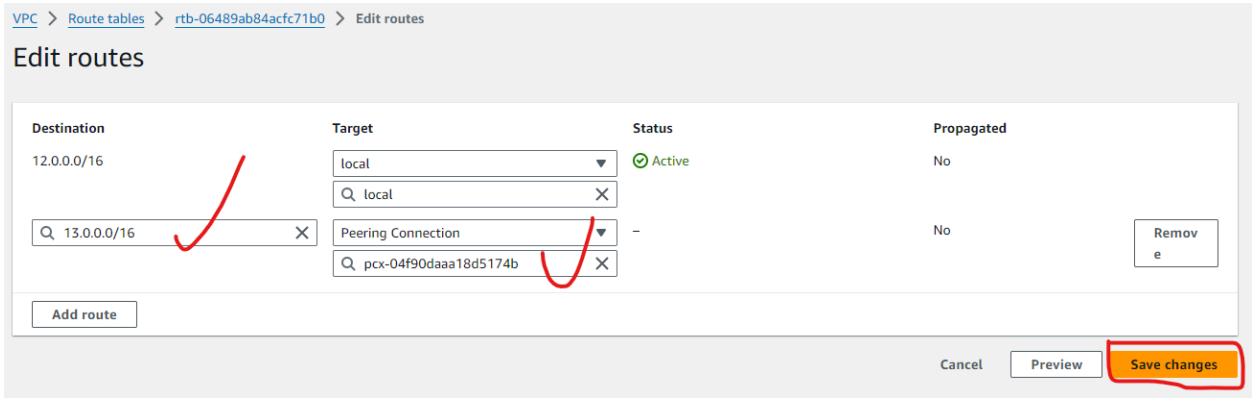
2. Lorsque vous êtes invité à confirmer l'opération, choisissez Accepter la demande.



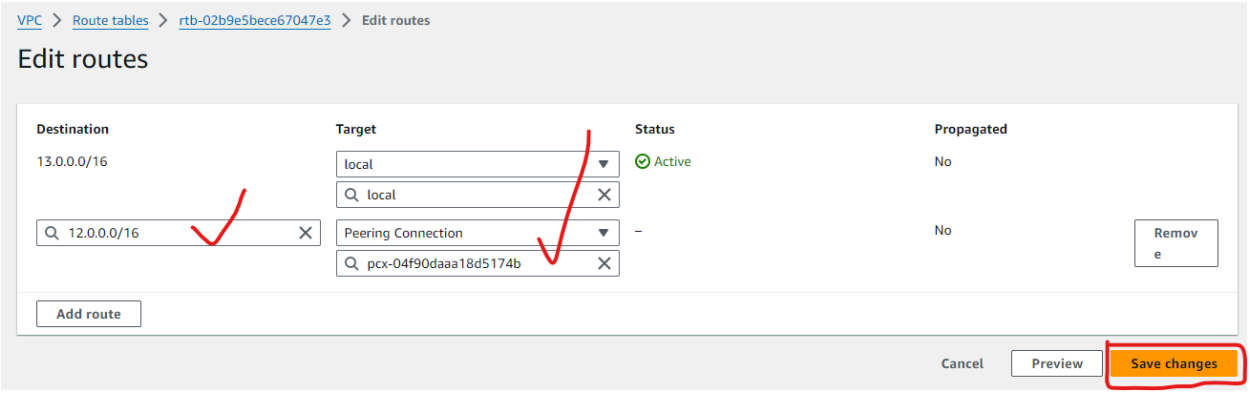


3. Choisissez Modifier mes tables de routage maintenant pour ajouter une route à la table de routage de VPC et pouvoir envoyer et recevoir du trafic via la connexion d'appairage.

    - Table de routage VPC A, modifier en ajoutant l'adresse IP du VPC B



    - Table de routage VPC B, modifier en ajoutant l'adresse IP du VPC A



- Testez la connexion peering que vous venez de configurer en copiant l'adresse IP privée de l'instance dans le VPC B question visualiser les données sur ce serveur.