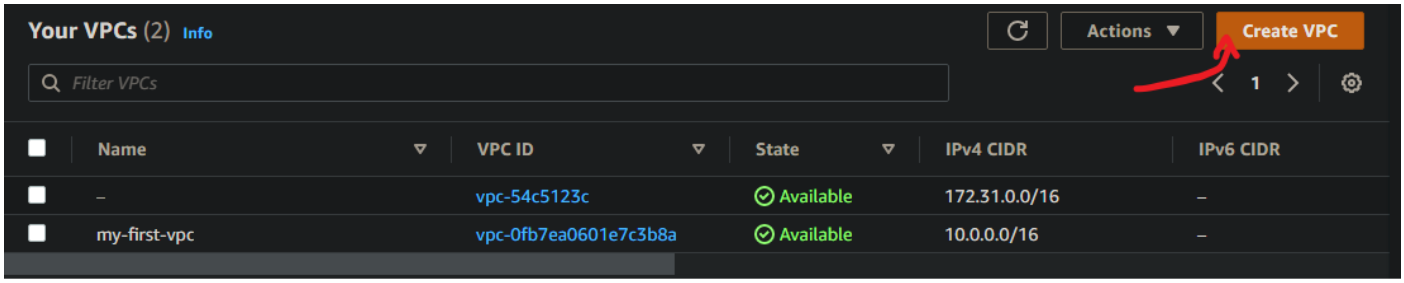
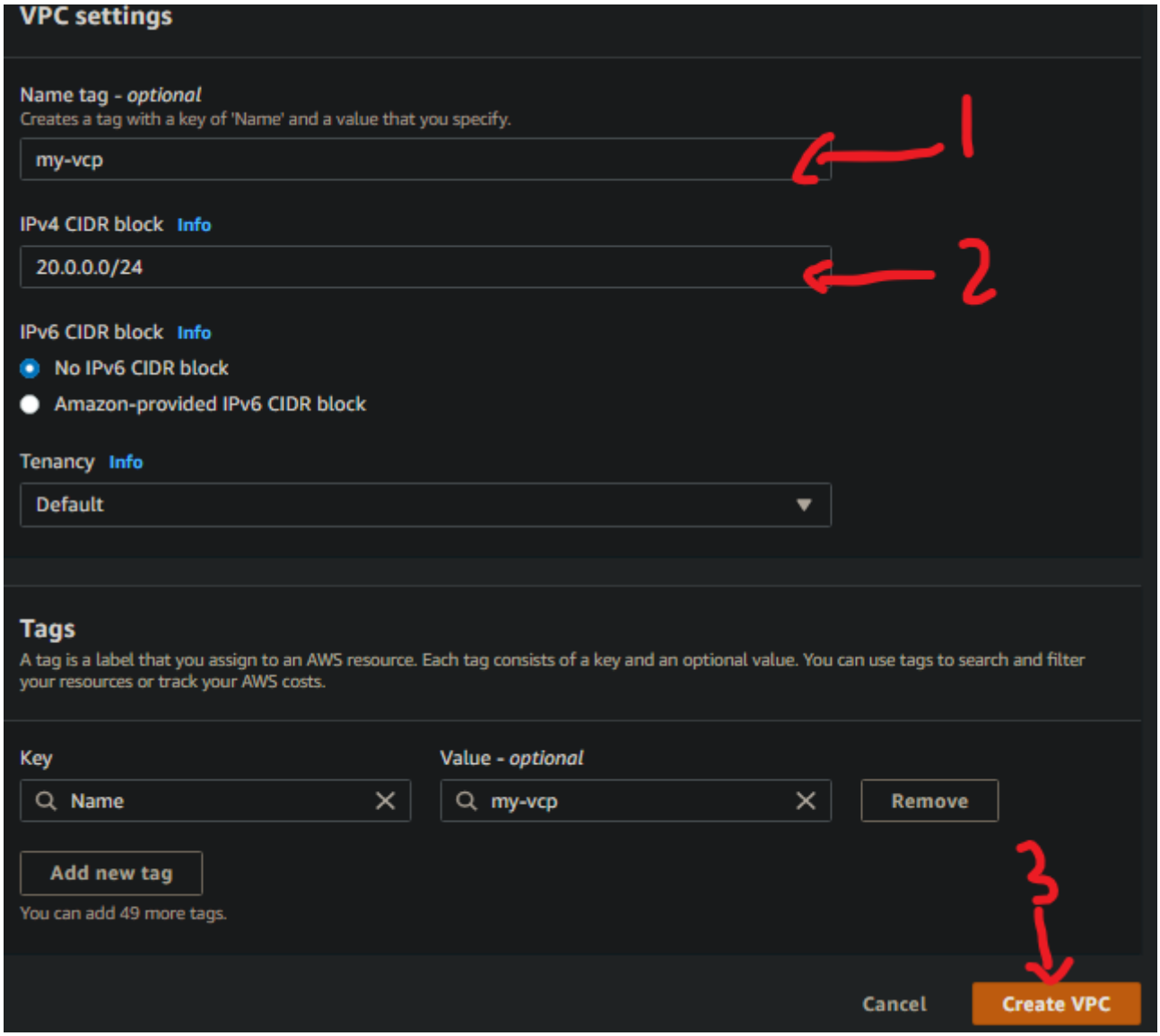
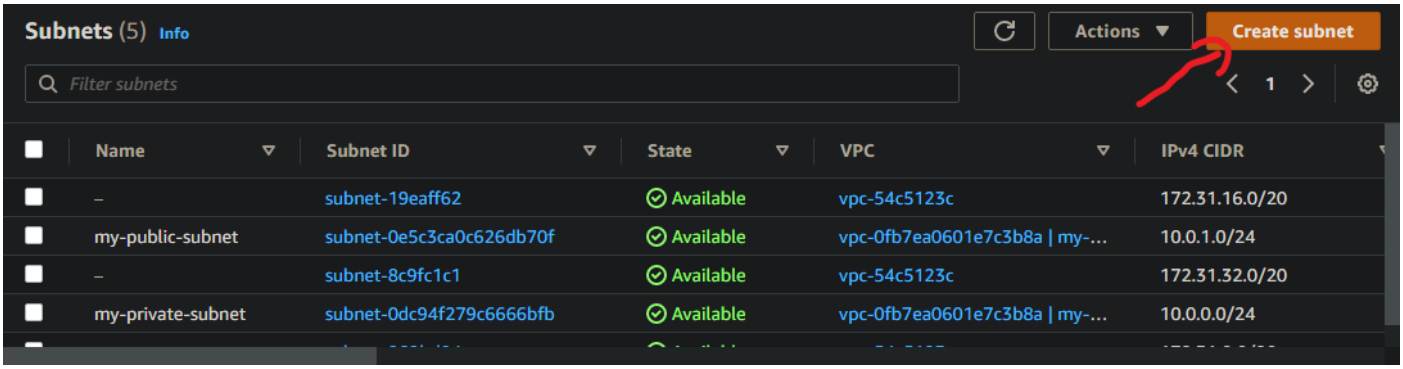
Ahmed Shawky: Task 1

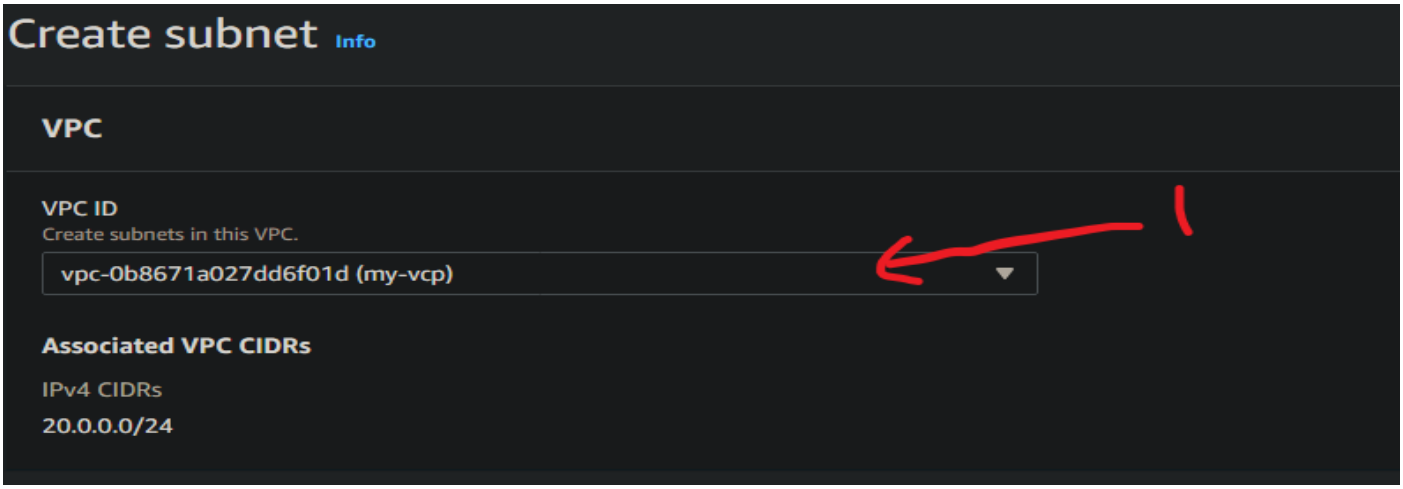
1- Create VPC

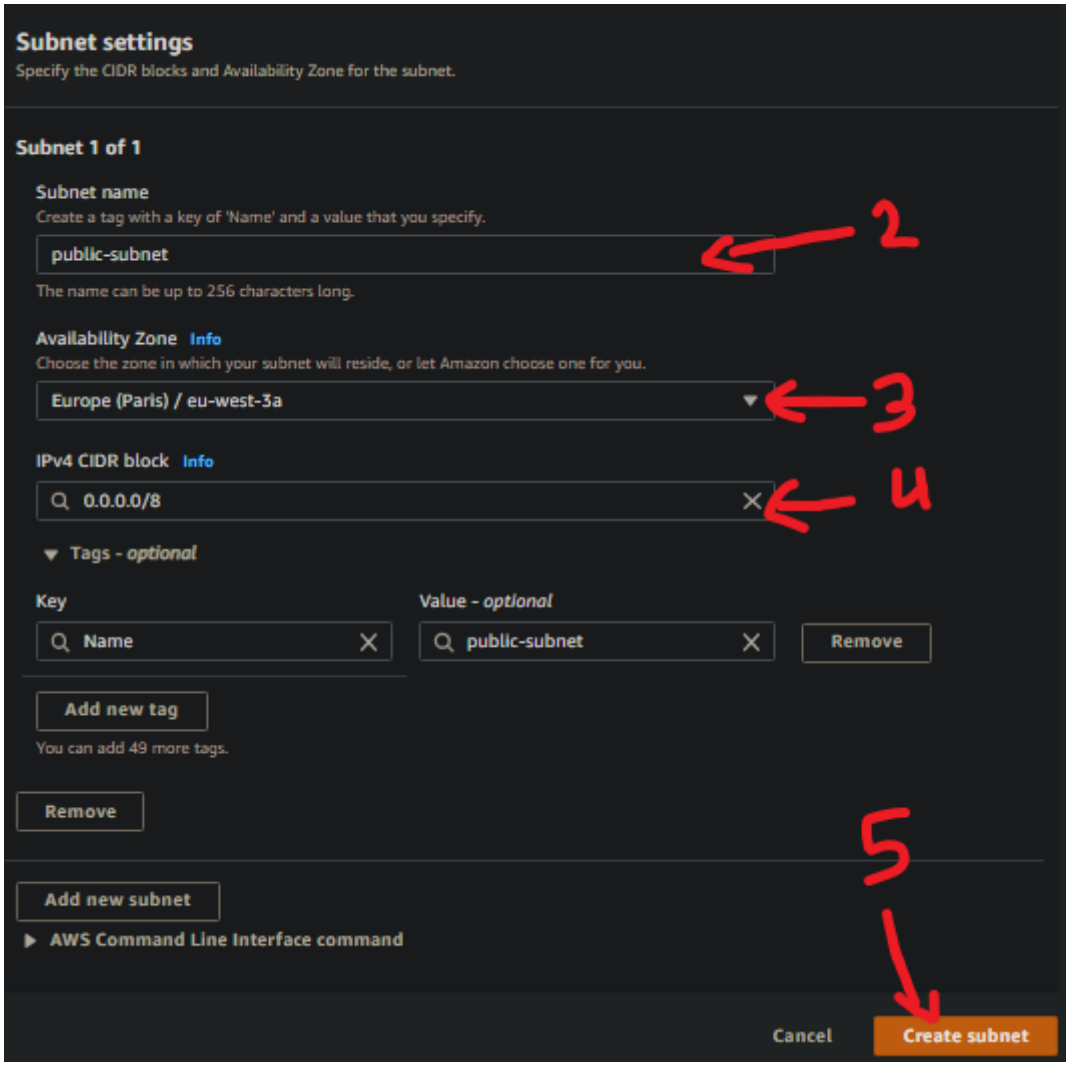




2- Create 2 subnets (private & public)

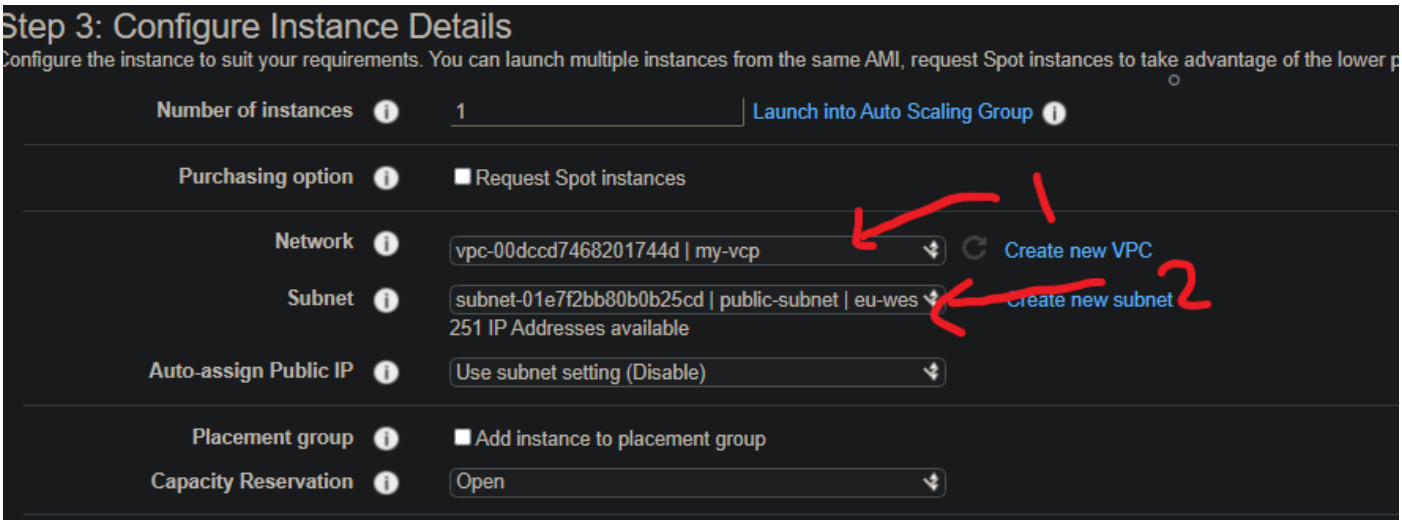




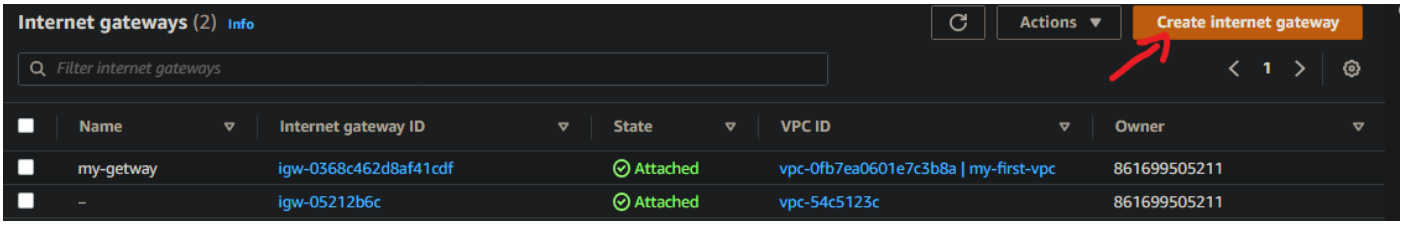


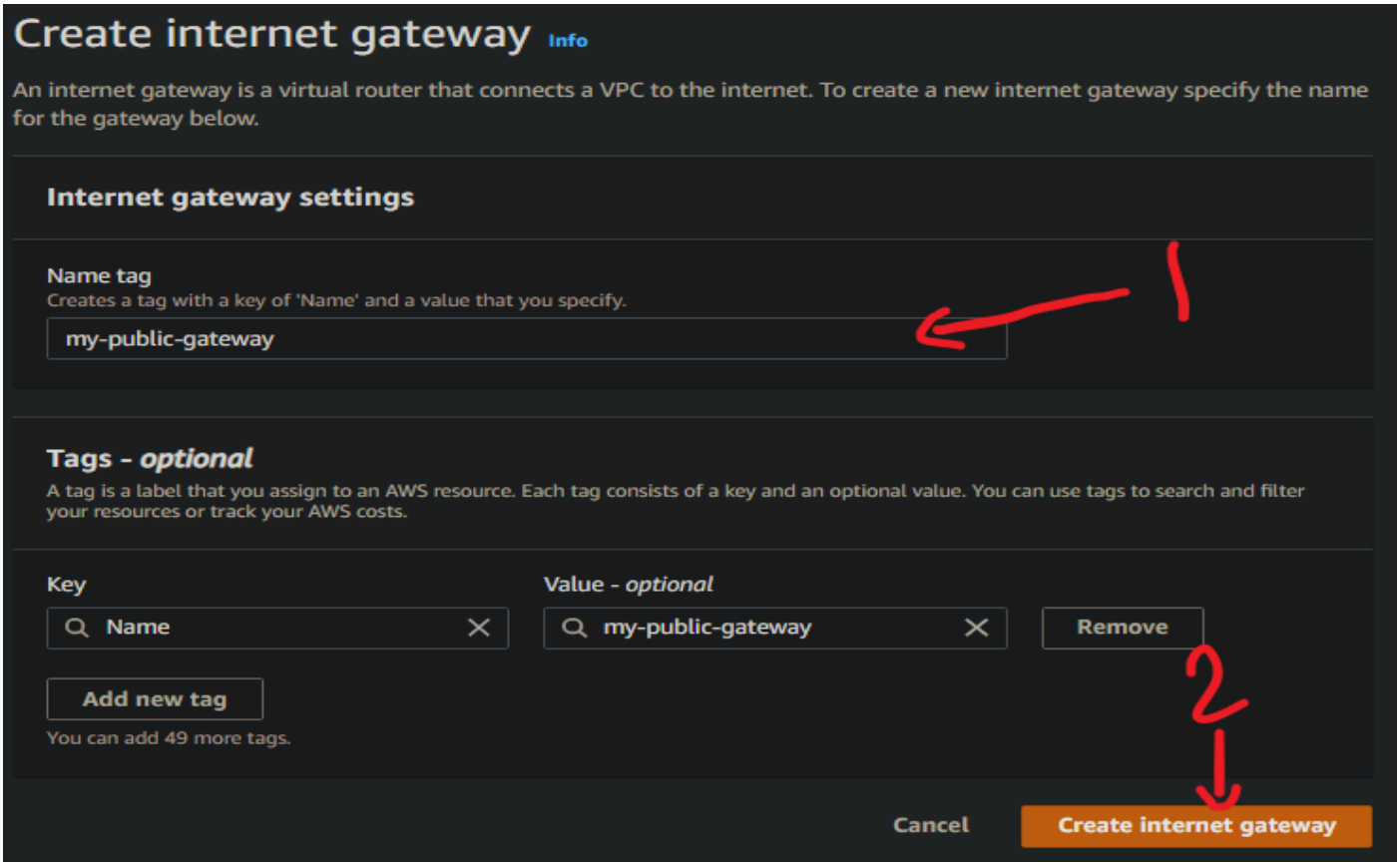
3- For each subnet create EC2

Create EC2 instance but change the network and subnet in the configuration.

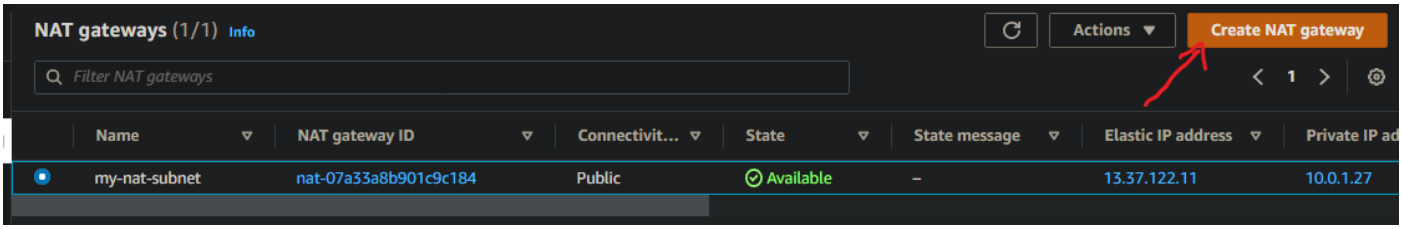


4- Create Internet Gateway for public EC2





5- Create Nat Gateway for Private EC2 and put it inside the public subnet.



Create NAT gateway Info

A highly available, managed Network Address Translation (NAT) service that instances in private subnets can use to connect to services in other VPCs, on-premises networks, or the internet.

NAT gateway settings

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

private-gateway

The name can be up to 256 characters long.

1

Subnet
Select a subnet in which to create the NAT gateway.

subnet-01e7f2bb80b0b25cd (public-subnet)

2

Connectivity type
Select a connectivity type for the NAT gateway.

- (•) Public
- ( ) Private

3

Elastic IP allocation ID Info
Assign an Elastic IP address to the NAT gateway.

eipalloc-00ea654d141b512d5

Allocate Elastic IP

4

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*	
Name	private-gateway	Remove

Add new tag

You can add 49 more tags.

5

Cancel | Create NAT gateway

6- Create router to manage traffic