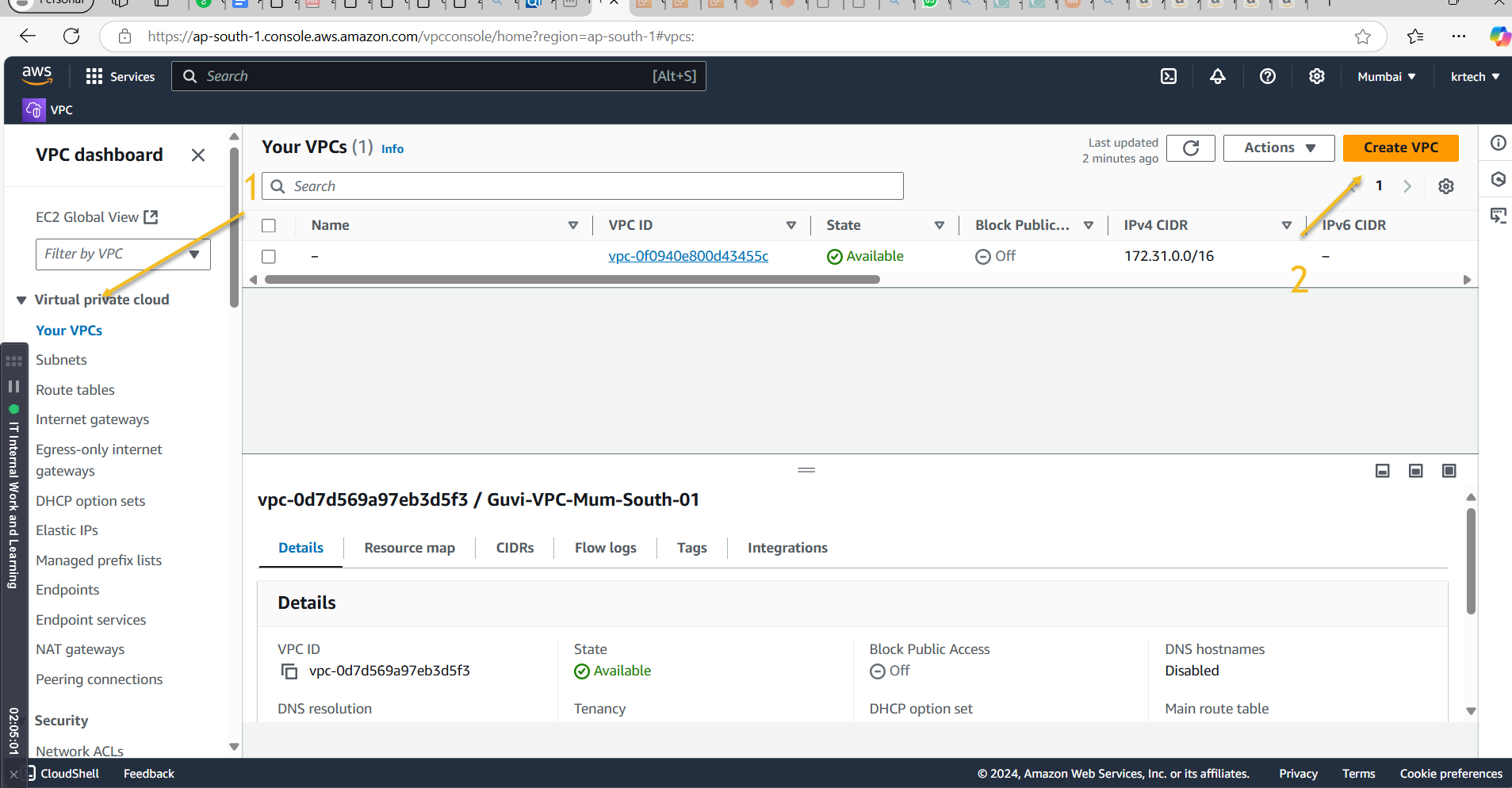
Task -5

Set up a VPC with an Internet gateway, create a public subnet with 256 IP addresses, a private subnet with 256 IP addresses, make a route table connecting the Internet gateway and the subnets, and launch a Linux EC2 instance by using the above VPC and public subnet.

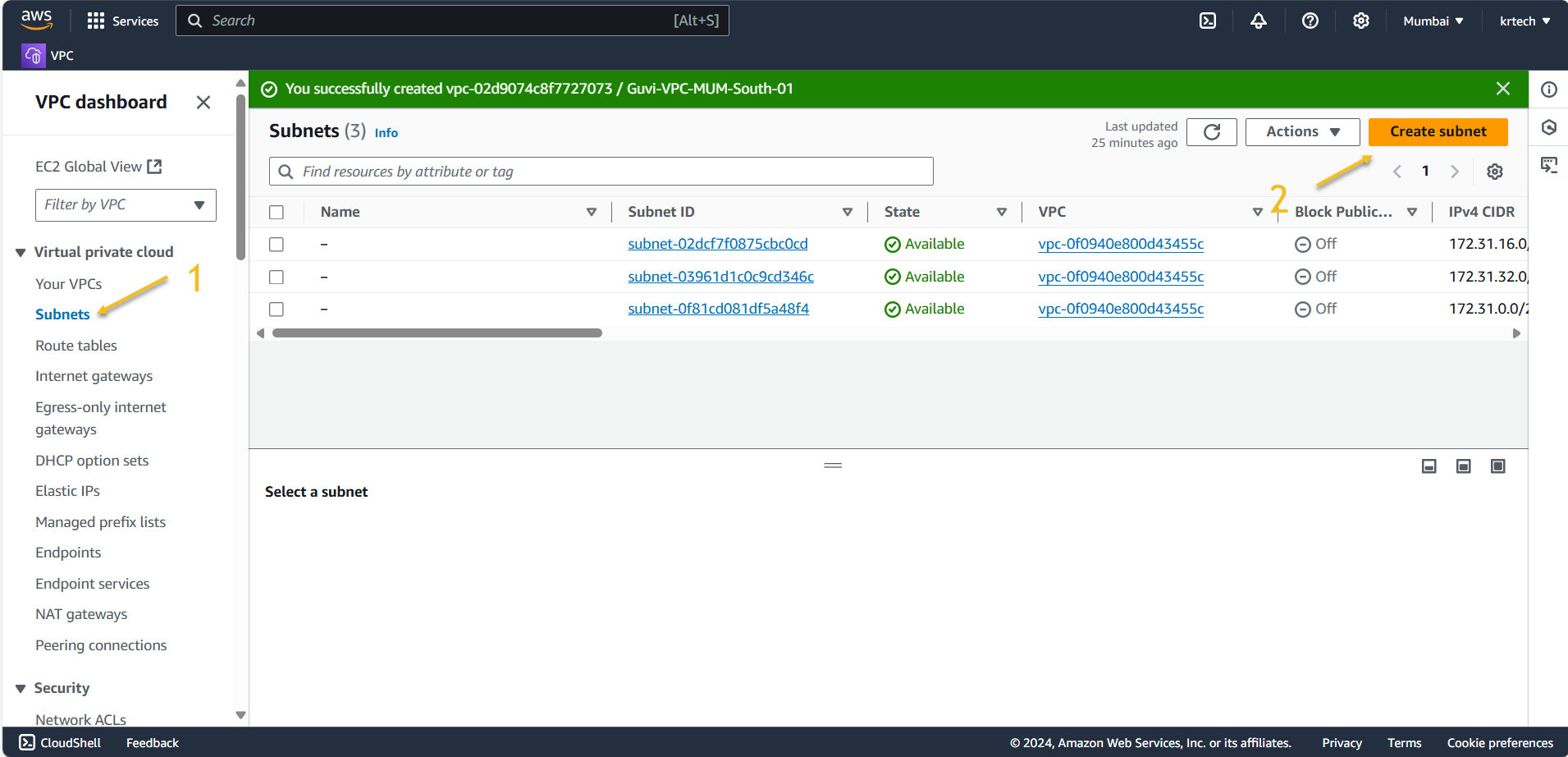
1. Create VPC.



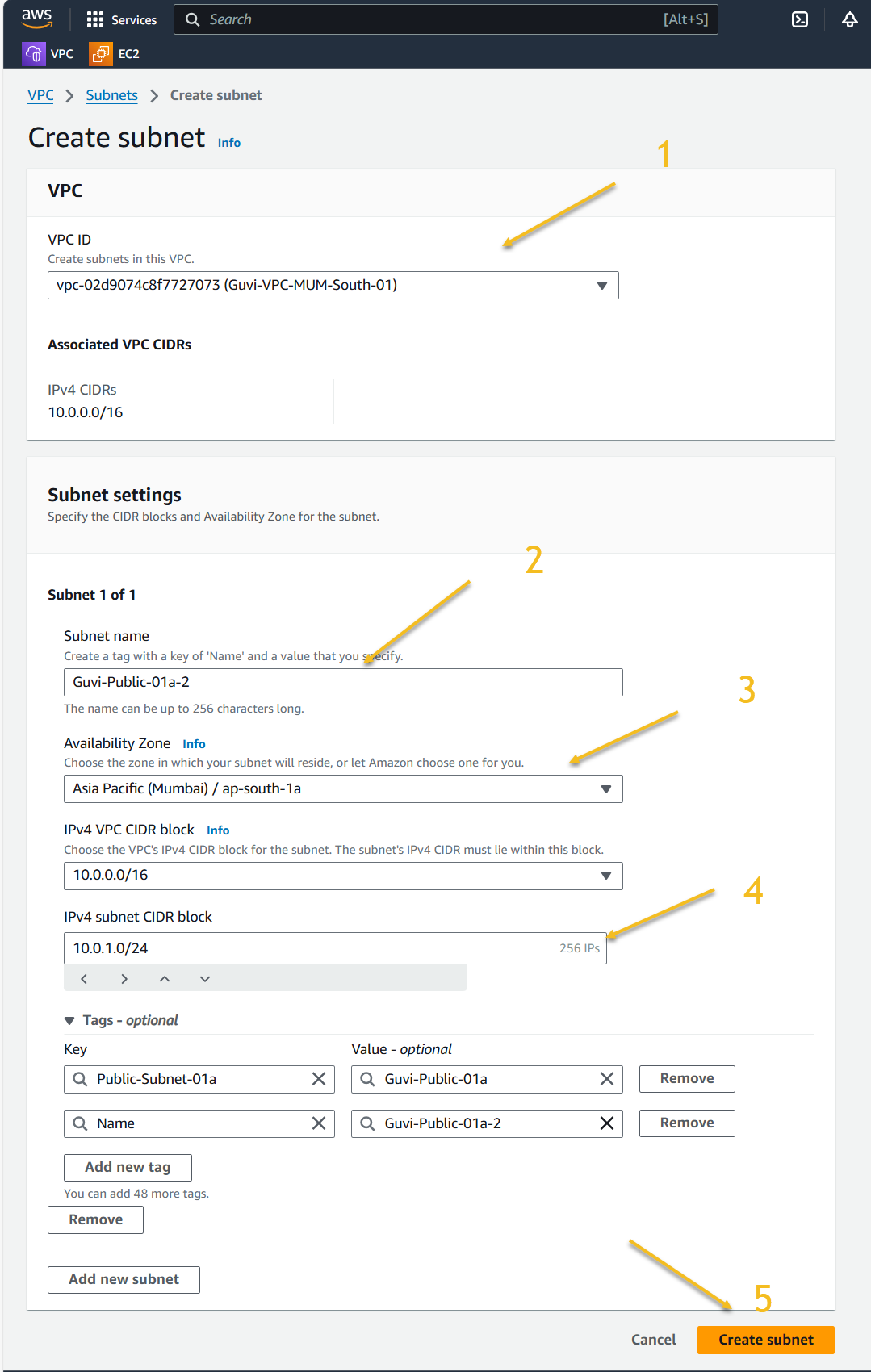
Give a name, Mention the IPv4 CIDR as 10.0.0.0/16, and the hit create.

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1. create a public subnet with 256 IP addresses.



Create subnet 🡪 select the VPC 🡪Give the subnet name 🡪Select the availability zone 🡪 Assing the IP range we want for the IPv4 subnet 🡪 hit create.



1. a private subnet with 256 IP addresses

do the same steps for Private subnet as well.

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1. make a route table connecting the Internet gateway and the subnets

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Create a Route table 🡪Assign the name 🡪 select the VPC🡪hit create.

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Once the Route table is created, Go to subnet associations🡪edit subnet associations🡪

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Select the subnet which we want to associate with the route table🡪 Save association.

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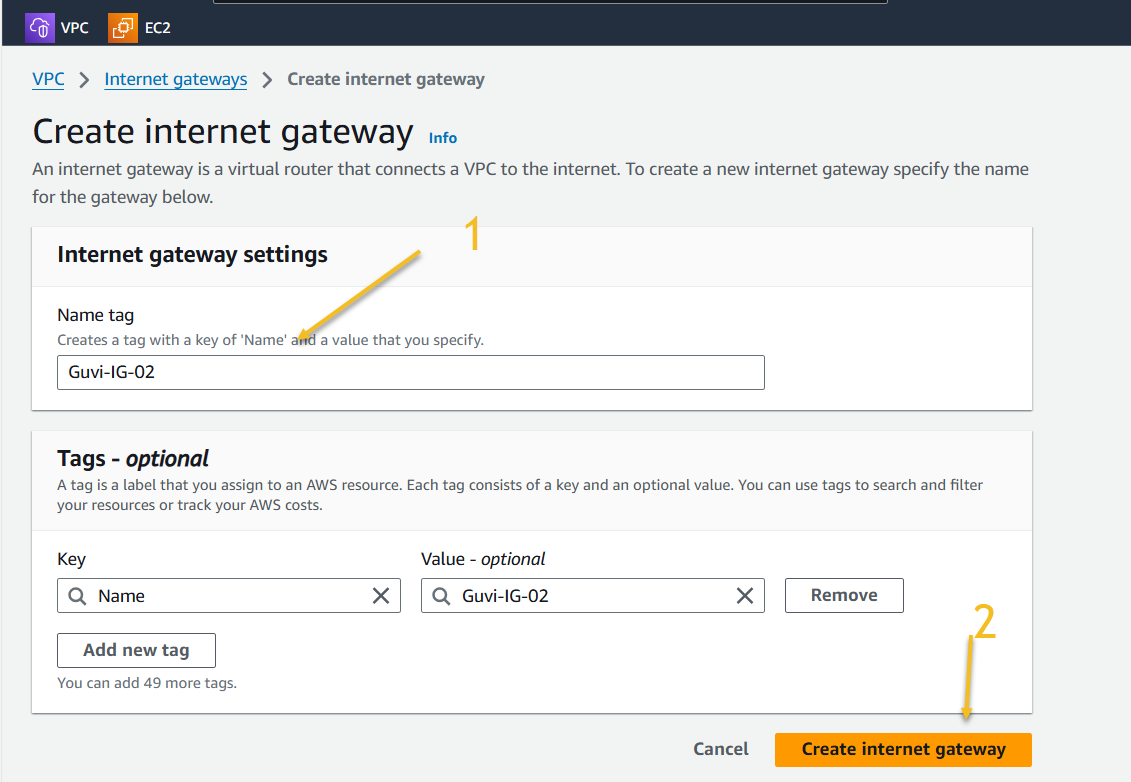
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For connect the VPC with Internet gateway, we need to create the Internet gateway first.

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Give a name to Internet gateway 🡪 Hit create.

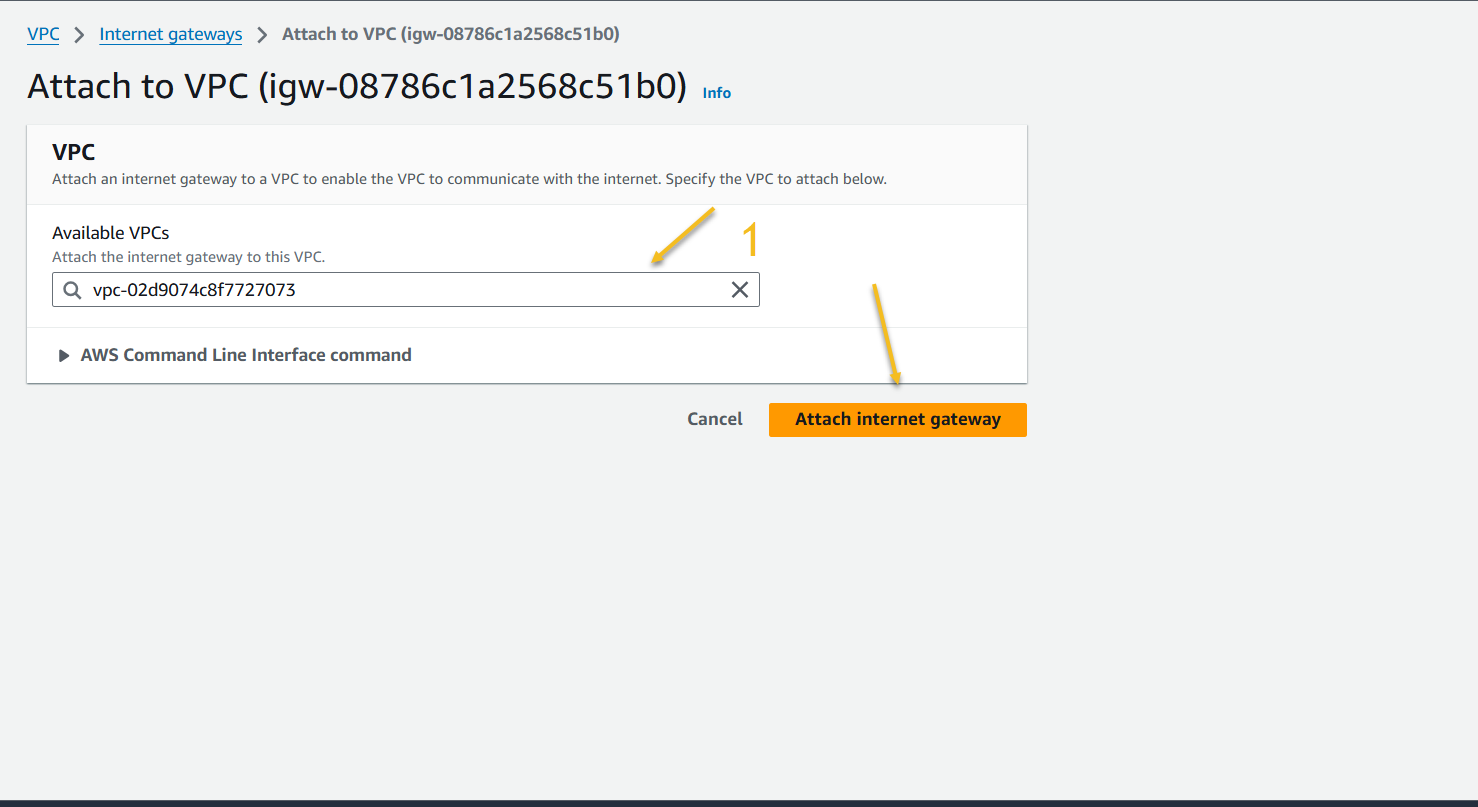


Once it created we need to attach it to VPC – >Goto action “Attach to VPC”

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Select the VPC where we want to connect in Drop down and Attach internet gateway.



Once it attached, we can find the like this.

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After attaching Internet gateway to VPC now, Edit the routes of our public subnet pointed Route table.

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Select add route🡪 select internet gateway 🡪IG id🡪 save changes.

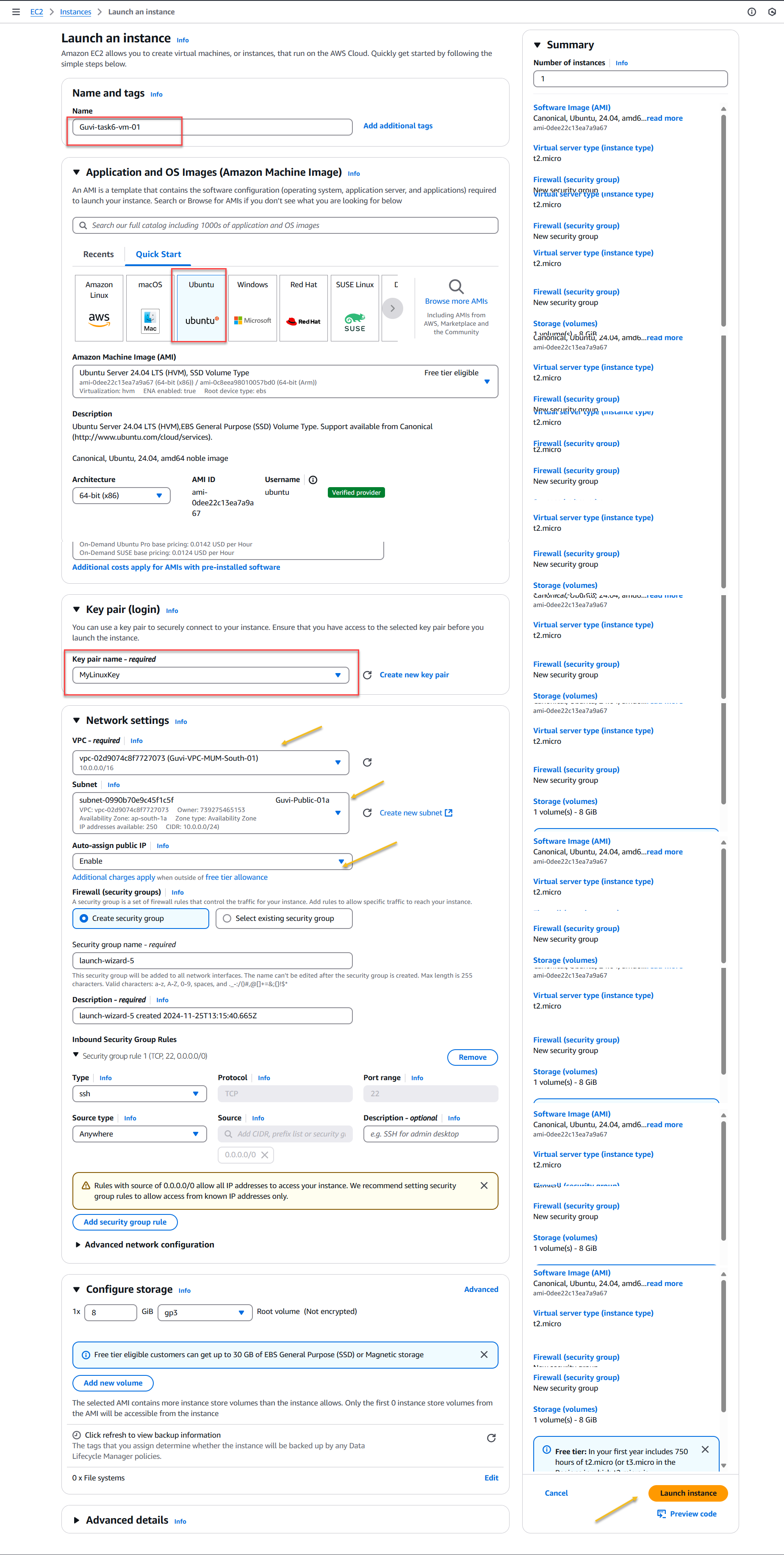
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1. launch a Linux EC2 instance by using the above VPC and public subnet.

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Finally, Launch the instance followed by the steps, Make sure select the created VPC with has Internet gateway attached to it.

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