

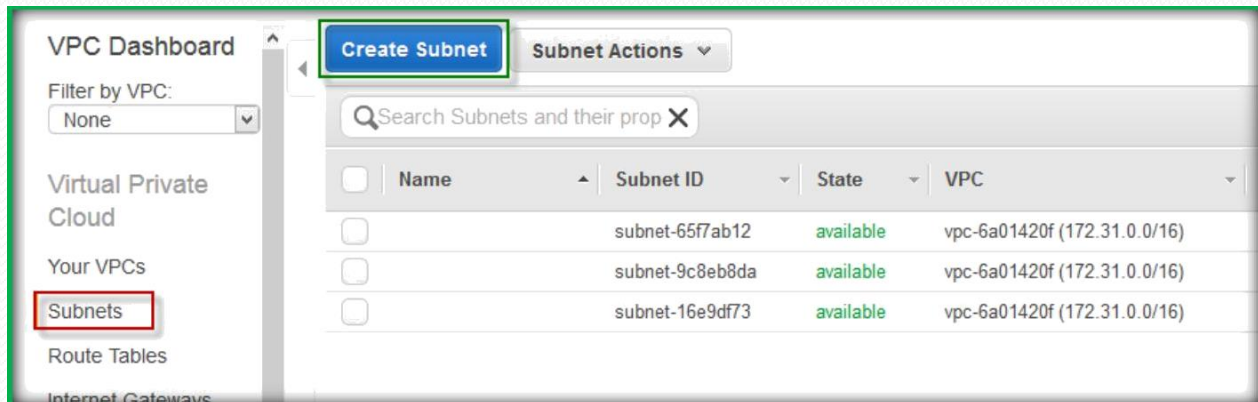


# CUSTOM VPC CREATION

Once you logged in to AWS management console go to VPC.  
Choose Your VPCs from left navigation pane then click on Create VPC.

On Create VPC dialog box, add name tag, specify CIDR block, choose Tenancy  
then click on Yes Create.

Choose Subnets from left navigation page, then select Create Subnet.



Add a name tag, choose VPC from VPC drop down list, choose AZ from AZ drop down list, specify CIDR block for your subnet, then click on yes Create.

The 'Create Subnet' dialog box is shown. It contains the following fields and values:

- Name tag:** Test-Pub-2a
- VPC:** vpc-01b4e364 (10.20.0.0/16) | Test
- Availability Zone:** ap-southeast-2a
- CIDR block:** 10.20.1.0/24

At the bottom right, there are two buttons: 'Cancel' and 'Yes, Create'. The 'Yes, Create' button is highlighted with a red box.

Like same way try to create more subnets differ them with public and private.

The screenshot shows the 'Create Subnet' dialog box. It contains the following fields and options:

- Name tag:** Test-Pvt-2b
- VPC:** vpc-01b4e364 (10.20.0.0/16) | Test
- Availability Zone:** ap-southeast-2b
- CIDR block:** 10.20.4.0/24

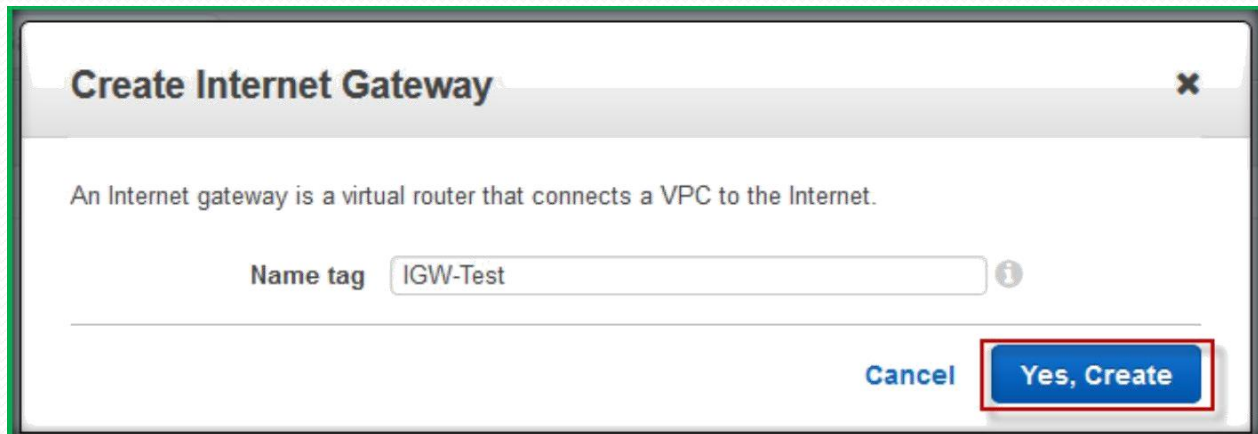
At the bottom right, there are two buttons: 'Cancel' and 'Yes, Create' (which is highlighted with a red box).

Choose Internet gateways from the left navigation page, then click on Create Internet Gateway.

The screenshot shows the AWS VPC Dashboard. On the left sidebar, the 'Internet Gateways' link is highlighted with a red box. In the main content area, the 'Create Internet Gateway' button is highlighted with a green box. Below the buttons, there is a search bar and a table of existing Internet Gateways.

	Name	ID	State	VPC
<input type="checkbox"/>		igw-8c8b0ce9	attached	vpc-6a01420f (172.31.0.0/16)

Specify a name tag then choose Yes, Create.



**Create Internet Gateway** ✕

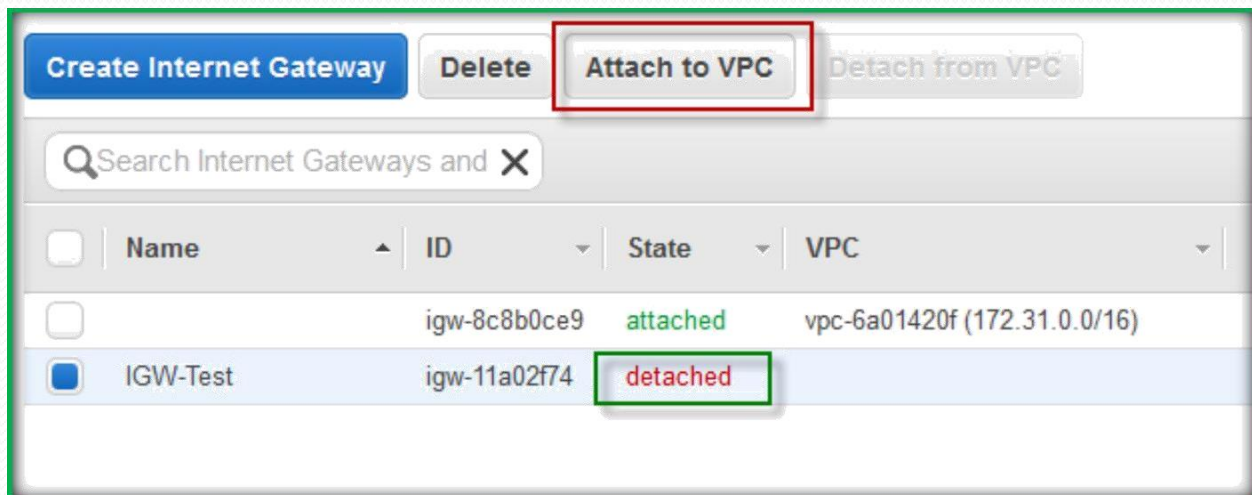
An Internet gateway is a virtual router that connects a VPC to the Internet.

Name tag  i

Cancel **Yes, Create**

Once Internet Gateway created, it will be in detached state, we need to manually attach it to our VPC.

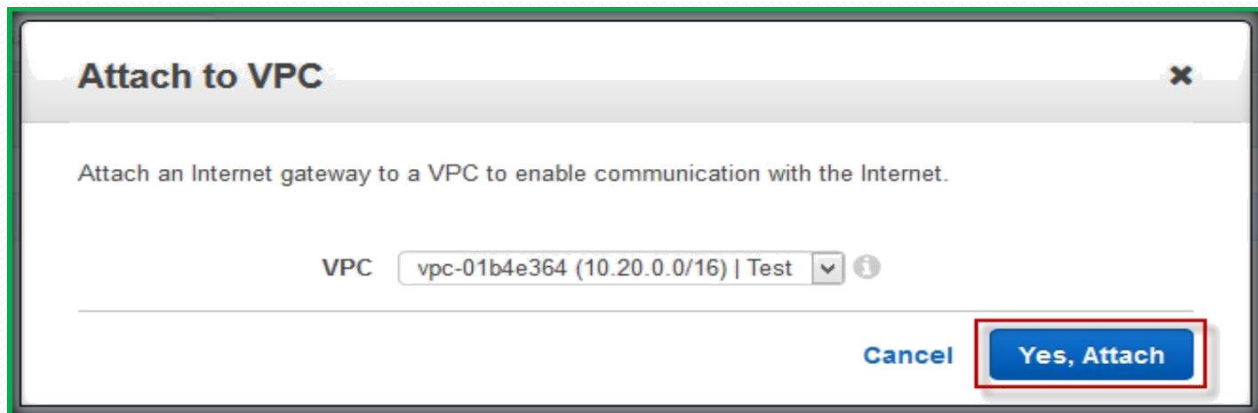
To do that choose Internet Gateway, select Attach to VPC button.



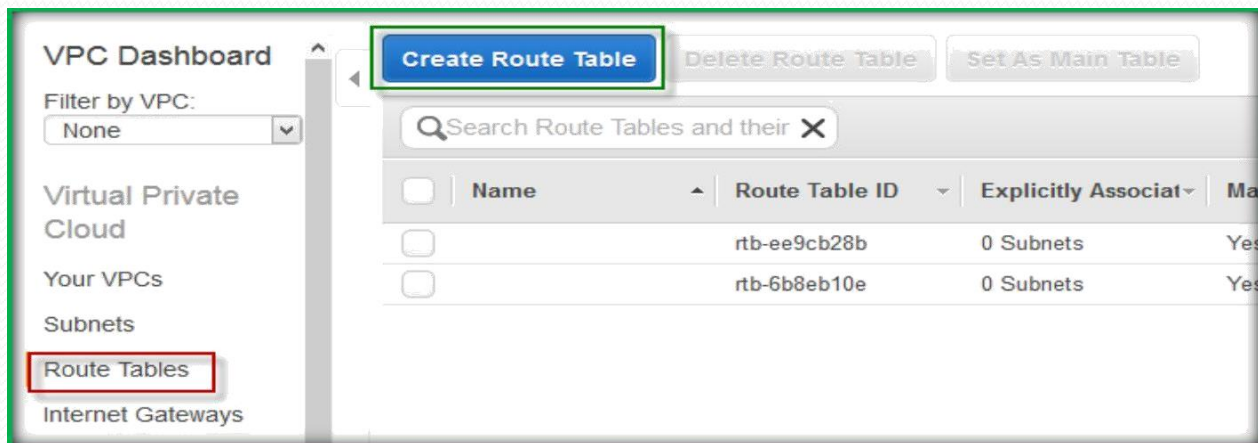
Create Internet Gateway Delete **Attach to VPC** Detach from VPC

<input type="checkbox"/>	Name	ID	State	VPC
<input type="checkbox"/>		igw-8c8b0ce9	attached	vpc-6a01420f (172.31.0.0/16)
<input checked="" type="checkbox"/>	IGW-Test	igw-11a02f74	detached	

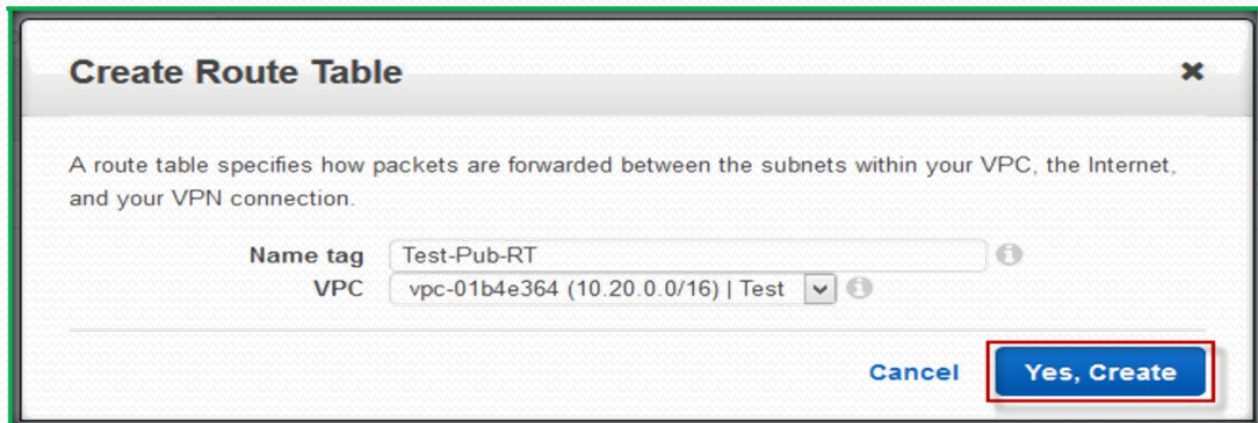
On Attach to VPC dialog box choose your VPC, then click on Yes, Attach



Each subnet in VPC must be associated with Route Table.  
Choose Route Tables from the left navigation pane, click on Create Route Table.



On Create Route Table dialog box, specify a name tag, choose your VPC from VPC drop down list, then click on Yes, Create.



**Create Route Table** ✕

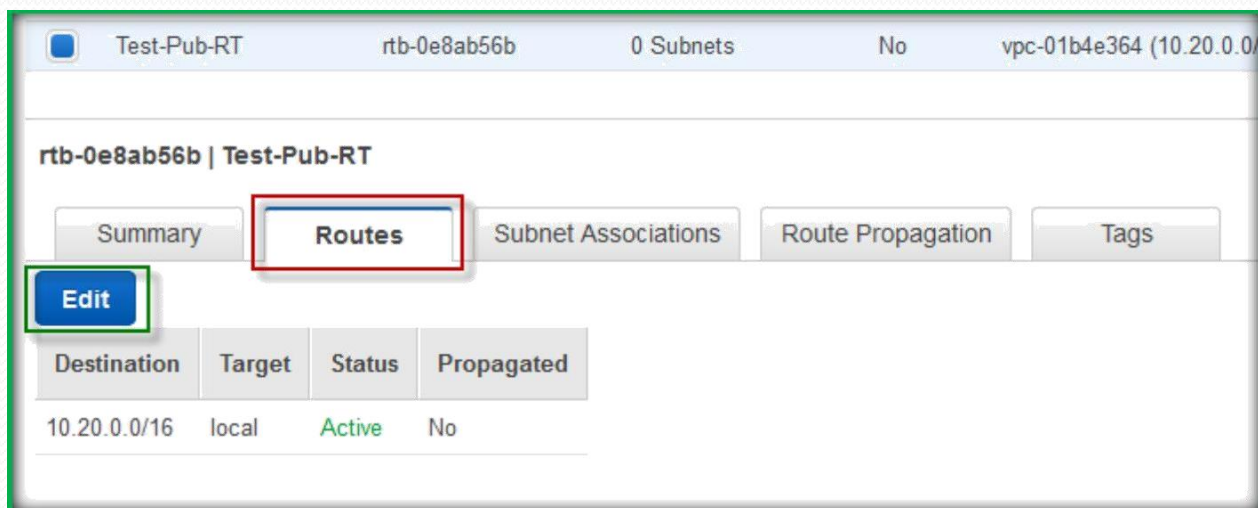
A route table specifies how packets are forwarded between the subnets within your VPC, the Internet, and your VPN connection.

Name tag  ⓘ

VPC  ⓘ

[Cancel](#) [Yes, Create](#)

Once created choose the Route Table, under Routes click on Edit button.



Test-Pub-RT    rtb-0e8ab56b    0 Subnets    No    vpc-01b4e364 (10.20.0.0/16)

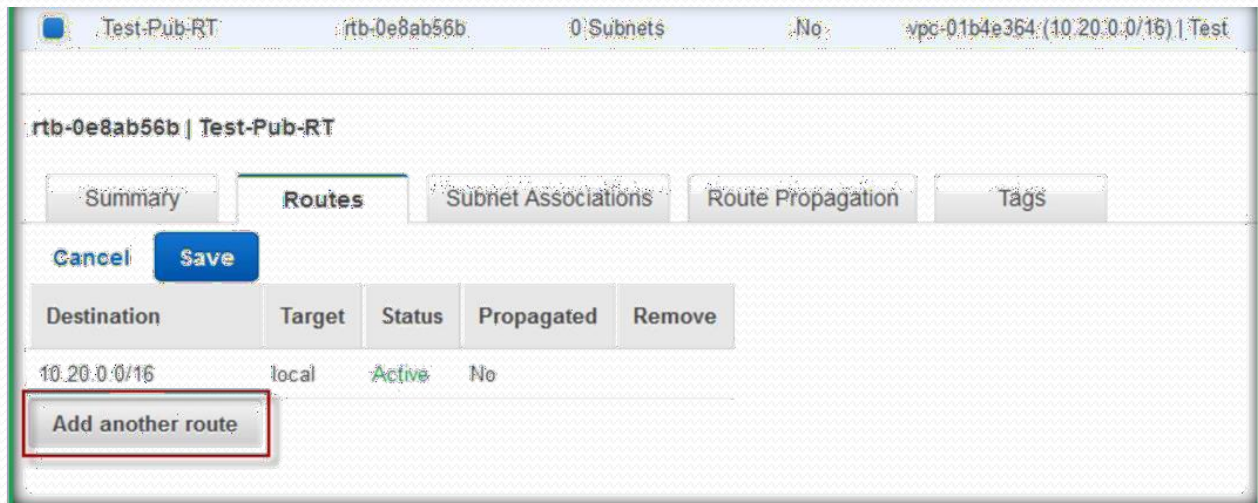
**rtb-0e8ab56b | Test-Pub-RT**

[Summary](#) [Routes](#) [Subnet Associations](#) [Route Propagation](#) [Tags](#)

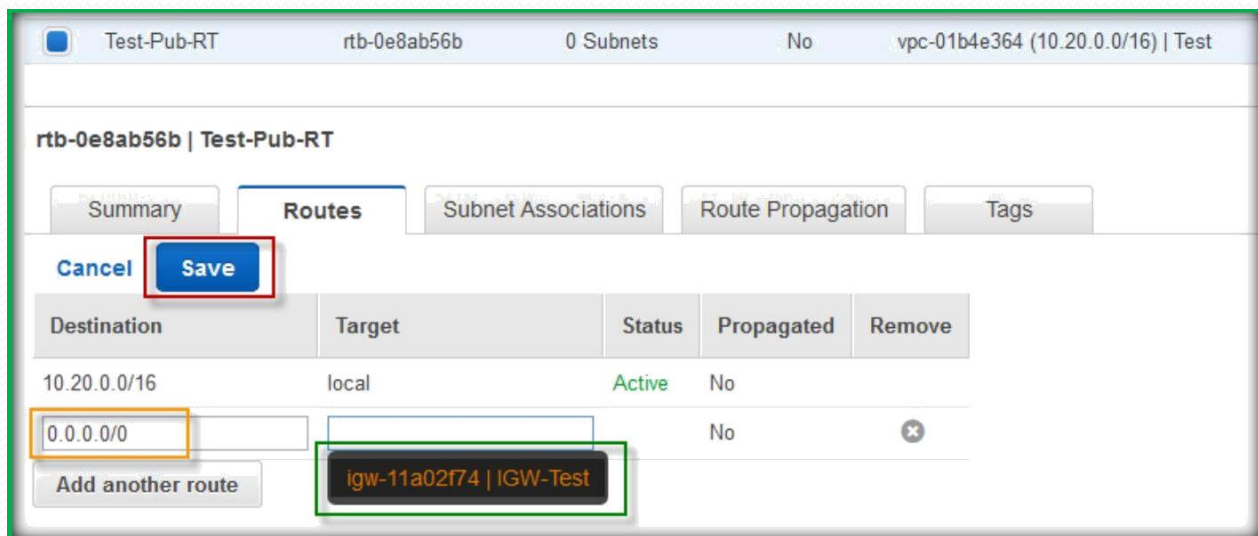
[Edit](#)

Destination	Target	Status	Propagated
10.20.0.0/16	local	Active	No

click on Add another route to create a new rule which we are going to attach to Internet Gateway.

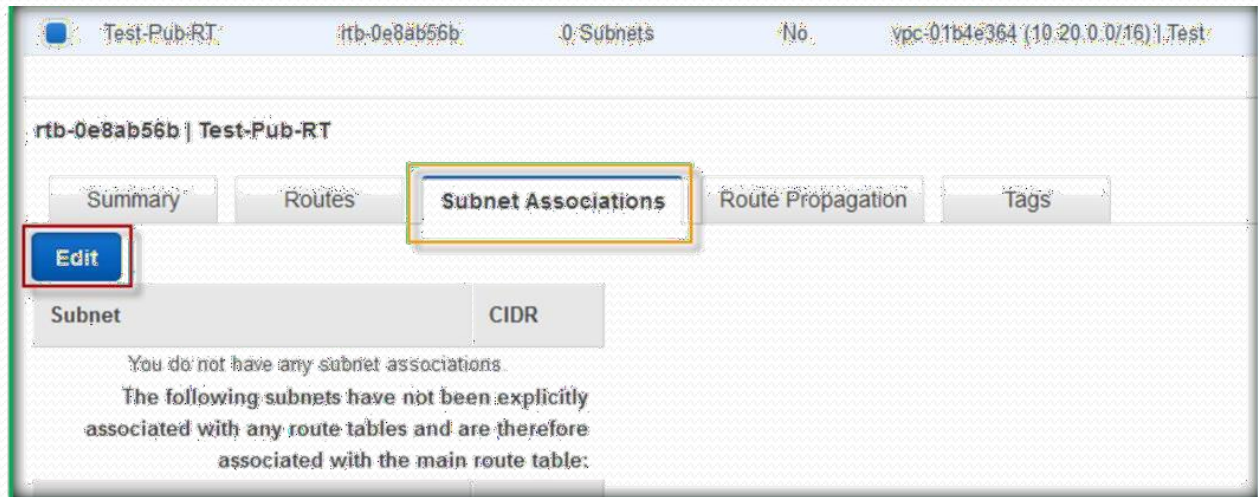


Specify destination as 0.0.0.0/0 and choose target as Internet gateway, then click on Save button to save.



then choose Subnet Associations and click on Edit button to add Subnets to this Route Table.





Under Subnet Associations, select the subnets which you want to attach it and click on Save button.

