

1st Step

Create vpc

VPCs > Create VPC

Create VPC

A VPC is an isolated portion of the AWS cloud populated by AWS objects, such as Amazon EC2 instances. You must specify an IPv4 address range for your VPC. Specify the IPv4 address range as a Classless Inter-Domain Routing (CIDR) block; for example, 10.0.0.016. You cannot specify an IPv4 CIDR block larger than /16. You can optionally associate an IPv6 CIDR block with the VPC.



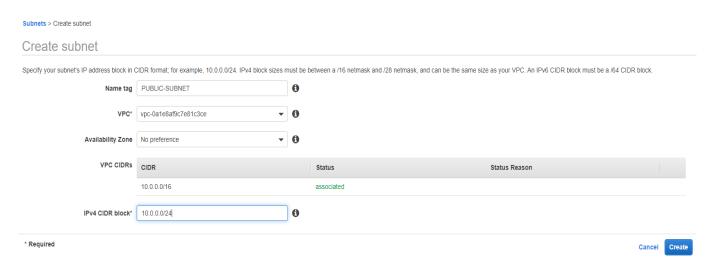
*Required Cancel Create

2nd step

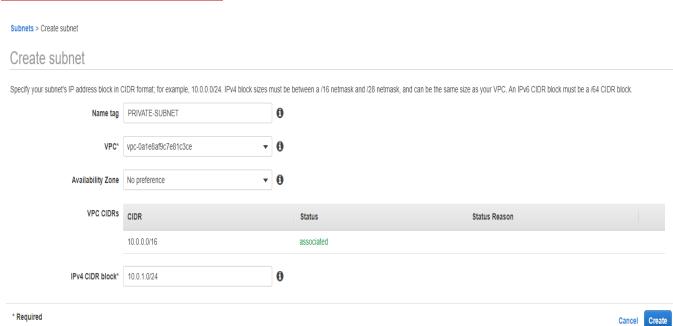
How to two subnet

- 1. Public subnet
- 2. Private subnet

How to create Public subnet



How to create private subnet

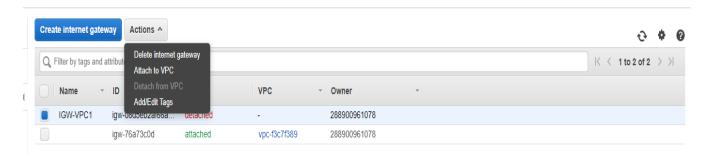


3rd step

How to create Internet Gateway



How to attach Internet Gateway



How to attach VPC

Internet gateways > Attach to VPC

Attach to VPC

Attach an internet gateway to a VPC to enable communication with the internet. Specify the VPC you would like to attach below.

VPC* vpc-0a1e8af9c7e81c3ce|

* Required

* Required

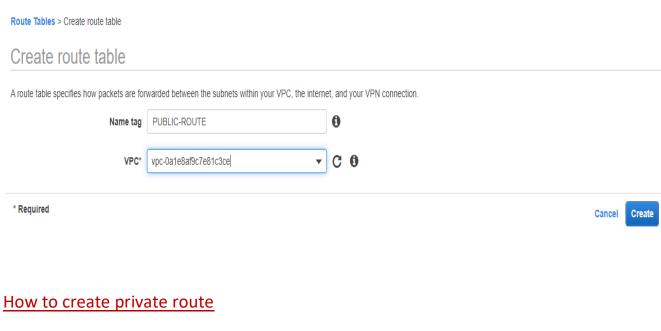
* Cancel Attach

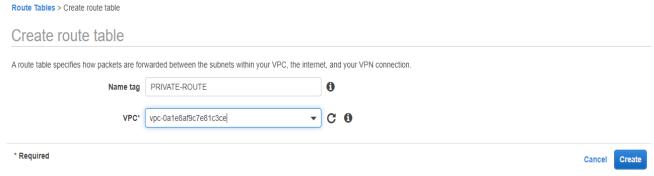
4th step

How to create two custom route table

- 1. Public –route
- 2. Private-route

How to create public route

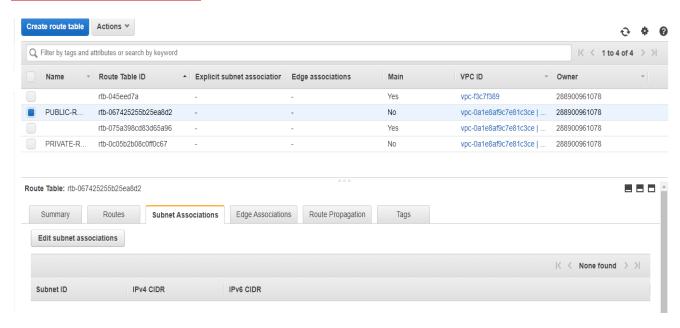




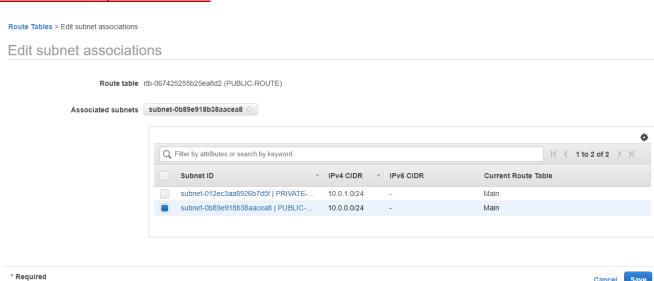
5th step

How to edit subnet associations

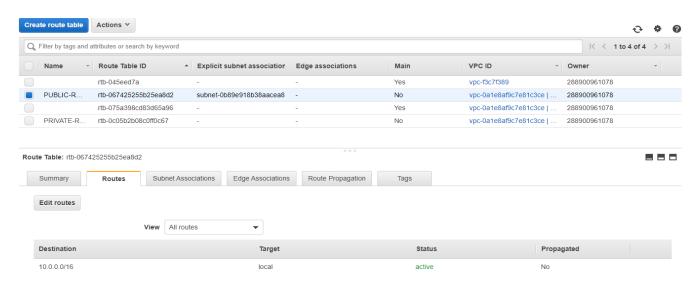
How to click public-route



How to select public-subnet



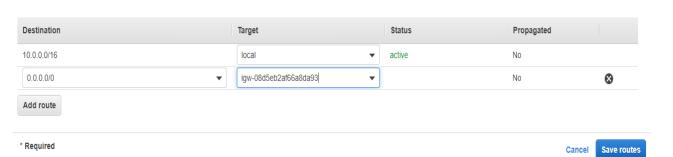
How to click routes



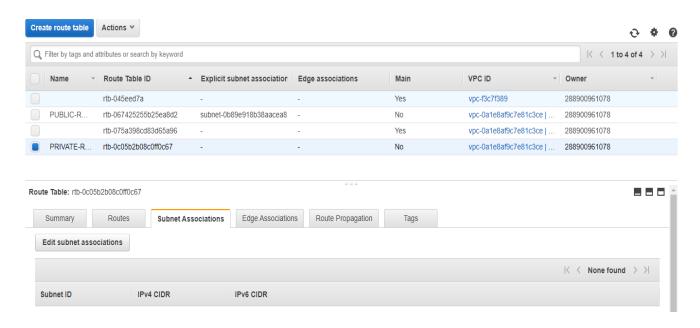
How to click edit routes

Route Tables > Edit routes

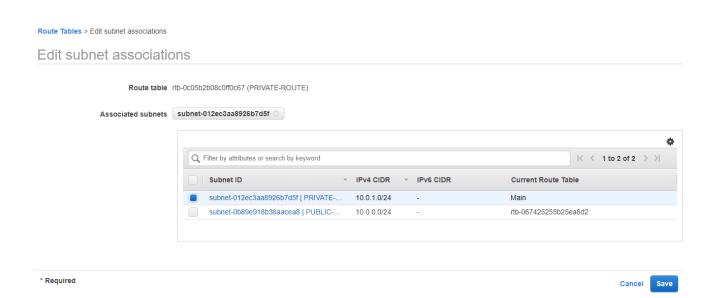
Edit routes



How to click private route

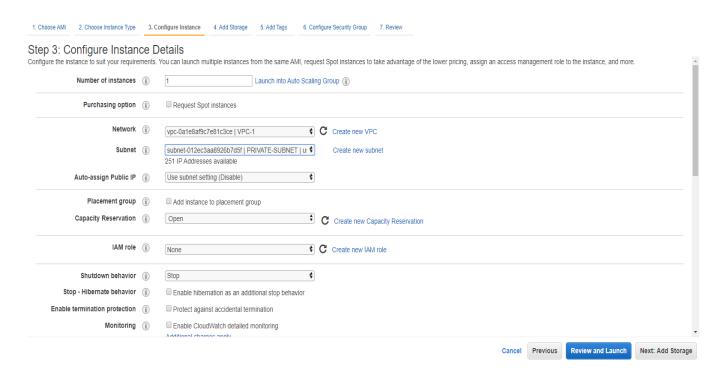


How to select private subnet



How to create two instance

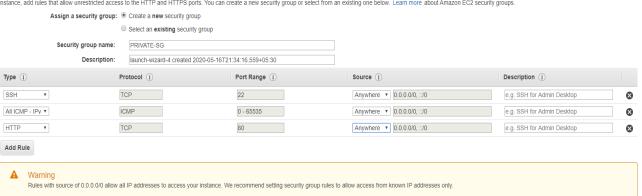
1st instance



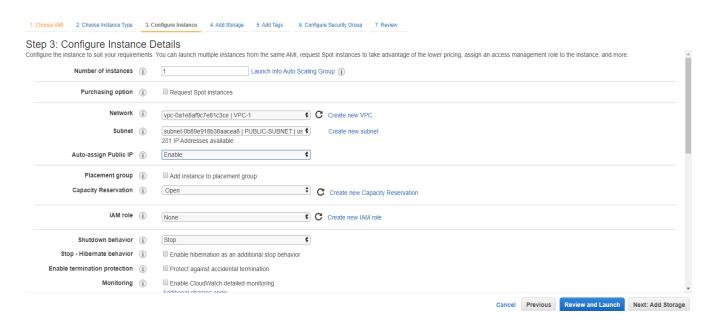
How to create security group

Step 6: Configure Security Group

A security group is a set of firewall rules that control the traffic for your instance. On this page, you can add rules to allow specific traffic to reach your instance. For example, if you want to set up a web server and allow Intermet traffic to reach your instance. Add rules that allow unrestricted access to the HTTP and HTTPS ports. You can create a new security group or select from an existing one below. Learn more about Amazon EC2 security groups.



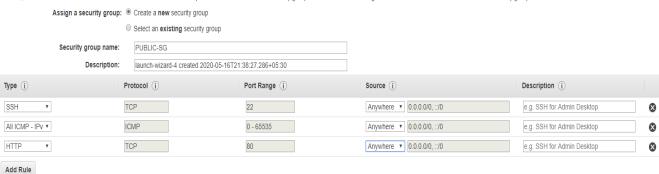
2nd instance

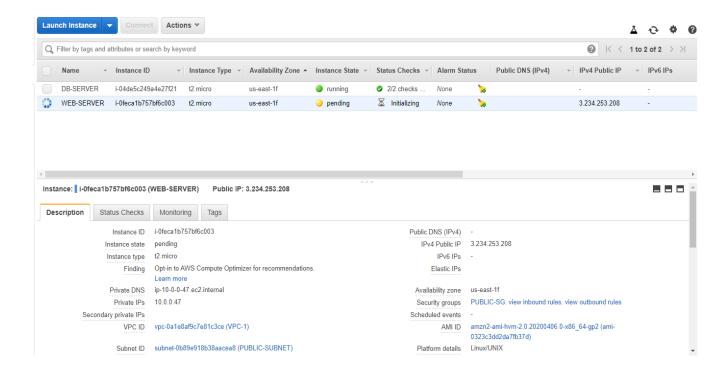


How to create security group

Step 6: Configure Security Group

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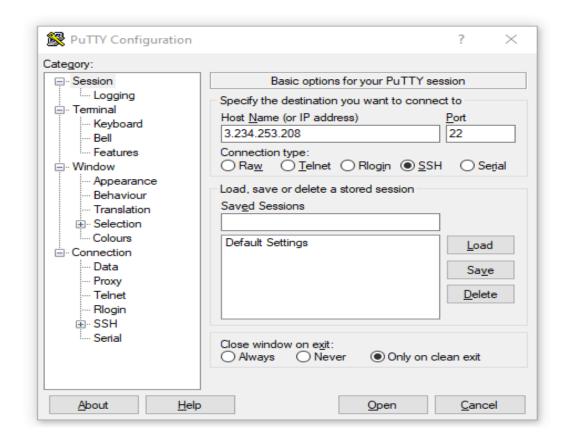
How to open cmd

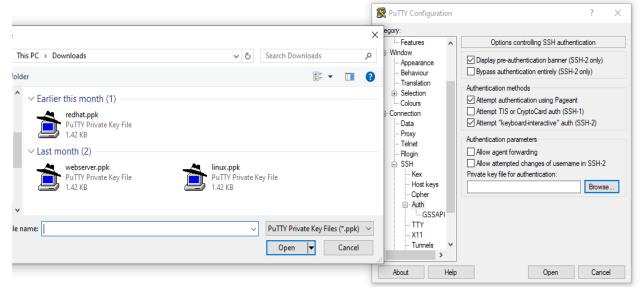
How to ping web server

Cmd > ping 3.234.253.208

How to open putty

How to access web server instance





How to login name

Username :- ec2-user

\$ ping www.google.com

How to ping db-server instance

\$ ping 10.0.1.245

How to ssh db-server

- \$ vi dbserver.pem
- \$ chmod 600 dbserver.pem
- \$ ssh <u>ec2-user@10.0.0.1.245</u> -i dbserver.pem
- \$ ping www.google.com (not ping google.com)

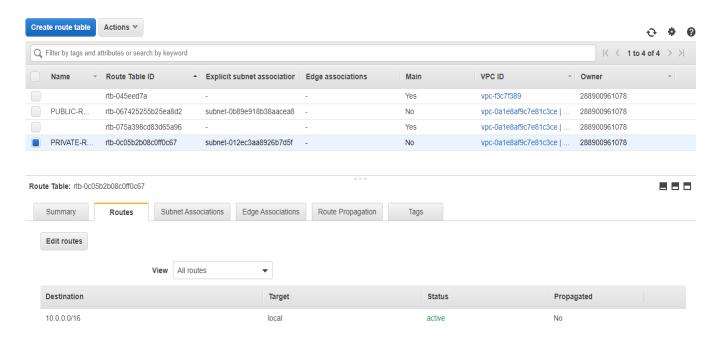
6th step

How to create NAT Gateway

NAT Gateways > Create NAT Gateway											
Create NAT Gateway											
Create a NAT gateway and assign it an El	astic IP address. Learn more.										
Subnet*	subnet-0b89e918b38aacea8 ▼					0					
Elastic IP Allocation ID*	i		•	C	Allocate Elastic IP address	0	0				
	Elastic IP address (34.205.10	4.250) allocated.									
	Key (128 characters maximum)			Value (256 characters maximum)							
		This resource curr	ently has no tags								
	Add Tag 50 remaining	(Up to 50 tags maximum)									
* Required						Cancel	Create a NAT	Gateway			



Go to route table



Edit routes select the target NAT GATEWAY



How to access db-server

\$ ssh <u>ec2-user@10.0.0.1.245</u> -i dbserver.pem

\$ ping www.google.com