

# Arnav Bansal

## E18CSE028

### Lab 3

Step 2: VPC with a Single Public Subnet

IPv4 CIDR block: 10.0.0.0/16 (65531 IP addresses available)

IPv6 CIDR block: ☒ No IPv6 CIDR Block  
☐ Amazon provided IPv6 CIDR block  
☐ IPv6 CIDR block owned by me

VPC name: Lab3VPC

Public subnet's IPv4 CIDR: 10.0.0.0/24 (251 IP addresses available)

Availability Zone: us-east-1a

Subnet name: Lab3EB01-public

You can add more subnets after AWS creates the VPC.

Service endpoints:

Enable DNS hostnames: ☒ Yes ☐ No

Hardware tenancy: Default

Finalizing... 100%

#### 1. Creating a VPC

Your VPCs (1/2)

Name	VPC ID	Status	IPv4 CIDR	IPv4 CIDR (Network border group)	IPv4 pool	DHCP options set	Main route table	Main network ACL
Lab3VPC	vpc-d9e89323d9439089	Available	10.0.0.0/16	-	-	dhcp-bu537976	vrtb-0311c0b4d5d35b6	acl-05a7a0d092620a0f
-	vpc-ea08f1a07	Available	172.31.0.0/16	-	-	dhcp-bu537976	vrtb-323a00b6	acl-03714732a

vpc-d9e89323d9439089 / Lab3VPC

Details

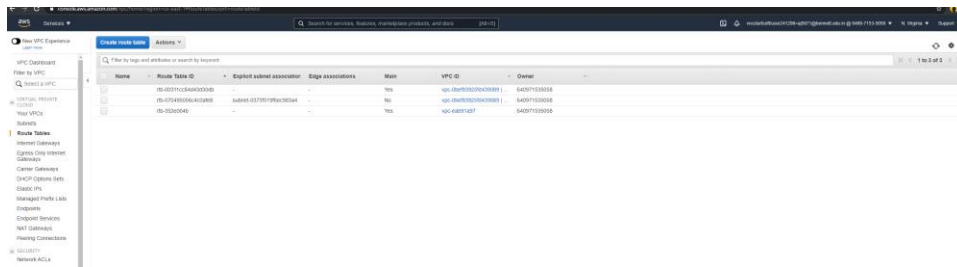
VPC ID	vpc-d9e89323d9439089	Status	Available	DNS hostnames	Enabled	DNS resolution	Enabled
Tenancy	Default	DHCP options set	dhcp-bu537976	Main route table	vrtb-0311c0b4d5d35b6	Main network ACL	acl-05a7a0d092620a0f
Default VPC	No	IPv4 CIDR	10.0.0.0/16	IPv4 pool	-	IPv4 CIDR (Network border group)	-
Owner ID	648077133058						

#### 2. VPC details

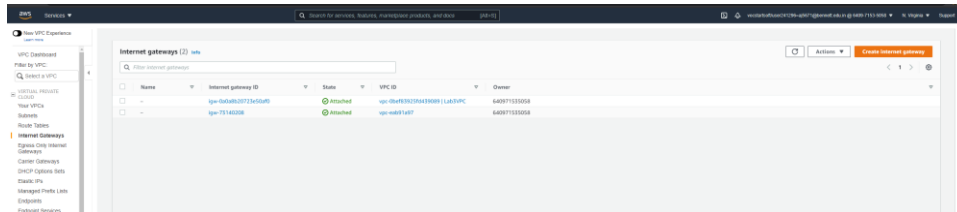
Subnets (7)

Name	Subnet ID	Status	VPC	IPv4 CIDR	IPv4 CIDR	Available IPv4 addresses	Availability Zone	Availability Zone ID	Network border group
-	subnet-7f899d0	Available	vpc-ea08f1a07	172.31.32.0/20	-	4091	us-east-1a	vpc1-a05	us-east-1
-	subnet-75d6e76	Available	vpc-ea08f1a07	172.31.84.0/20	-	4091	us-east-1b	vpc1-a05	us-east-1
-	subnet-79a3538	Available	vpc-ea08f1a07	172.31.80.0/20	-	4091	us-east-1a	vpc1-a02	us-east-1
-	subnet-6b8a030	Available	vpc-ea08f1a07	172.31.16.0/20	-	4091	us-east-1a	vpc1-a04	us-east-1
Lab3EB01-public	subnet-03795796ac03d4	Available	vpc-d9e89323d9439089 / Lab3VPC	10.0.0.0/24	-	251	us-east-1a	vpc1-a02	us-east-1
-	subnet-a485263	Available	vpc-ea08f1a07	172.31.0.0/20	-	4091	us-east-1a	vpc1-a01	us-east-1
-	subnet-00060107	Available	vpc-ea08f1a07	172.31.48.0/20	-	4091	us-east-1a	vpc1-a03	us-east-1

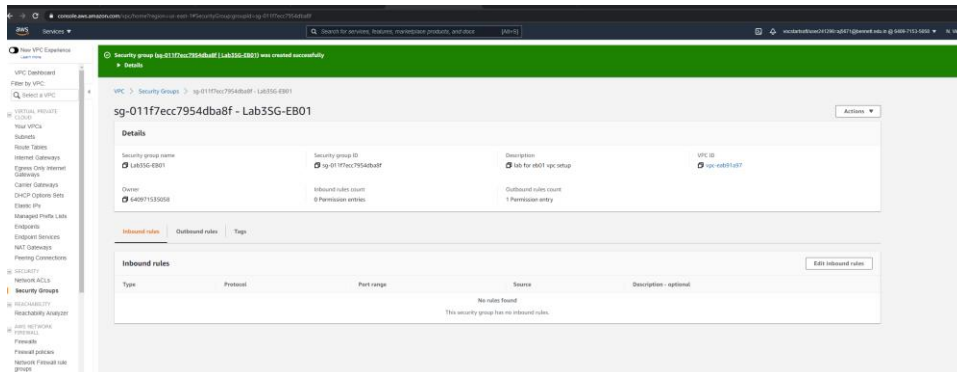
#### 3. Available subnets



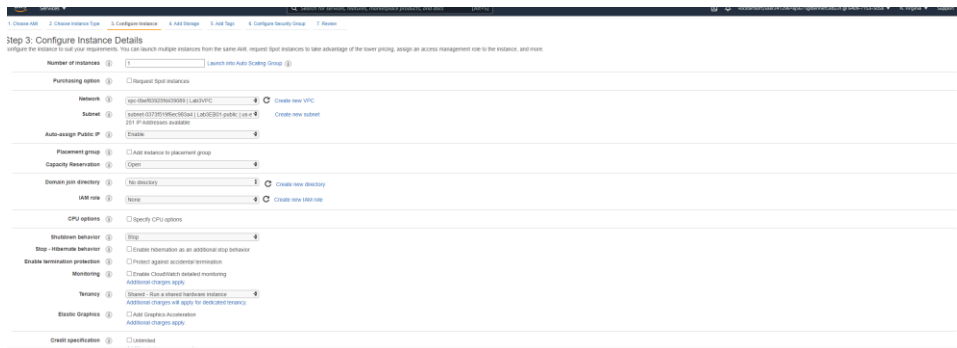
#### 4. Route tables



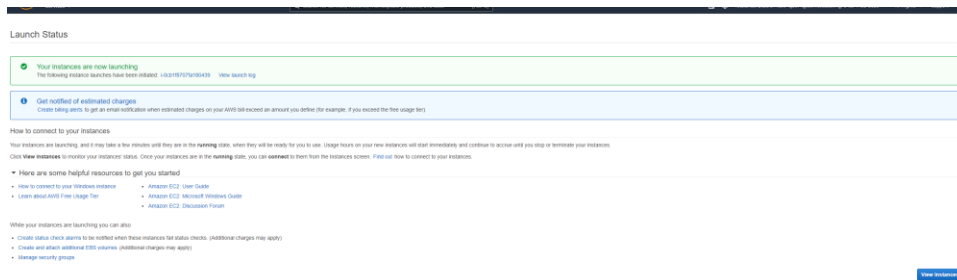
#### 5. Internet gateways



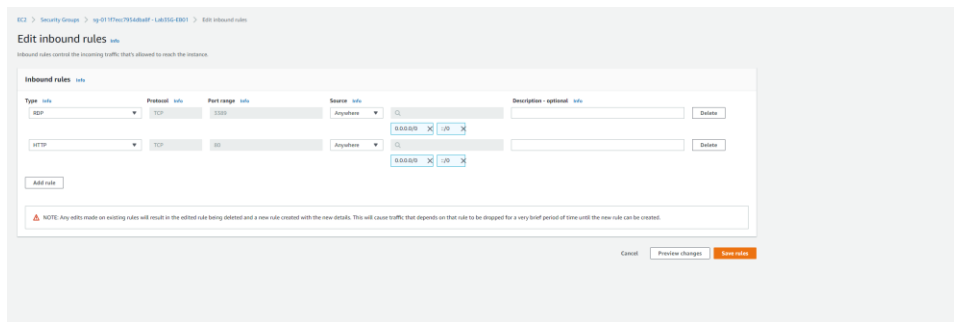
#### 6. Creating security gateways



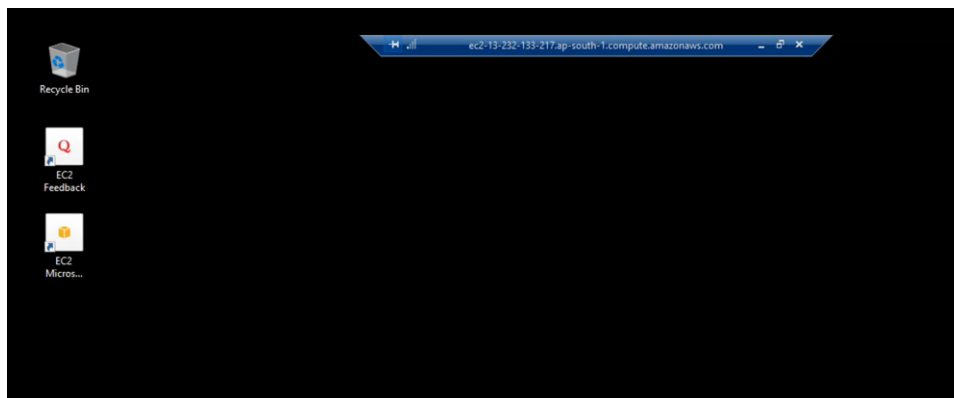
#### 7. Configuring ec2 instance



## 8. EC2 INSTANCE SET



## 9. Adding security gateway inbound rules



## 10. Instance launched