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E18CSE029

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

## 1. Creating a VPC

Your VPCs (1/2)

Name	VPC ID	State	IPv4 CIDR	IPv4 CIDR (Network border group)	IPv4 pool	DHCP options set	Main route table	Main network ACL
Lab3VPC	vpc-d0e03230439089	Available	10.0.0.0/16	-	-	dhcp-bu537976	vrtb-00311c0846433046	acl-0A50a0d070a2040F
-	vpc-e0d011a07	Available	172.31.0.0/16	-	-	dhcp-bu537976	vrtb-023a0006	acl-02714732a

vpc-d0e03230439089 / Lab3VPC

Details

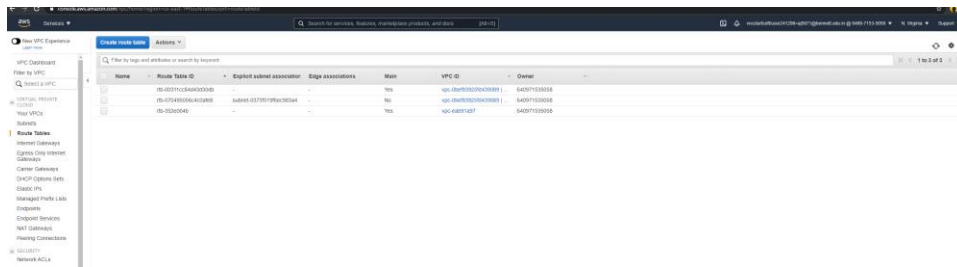
Details	State	DNS hostnames	DNS resolution
VPC ID: vpc-d0e03230439089	Available	Enabled	Enabled
Tenancy: Default		DHCP options set: dhcp-bu537976	Main route table: vrtb-00311c0846433046
Default VPC: No		IPv4 CIDR: 10.0.0.0/16	Main network ACL: acl-0A50a0d070a2040F
Owner ID: 448077133058			IPv4 CIDR (Network border group): -

## 2. VPC details

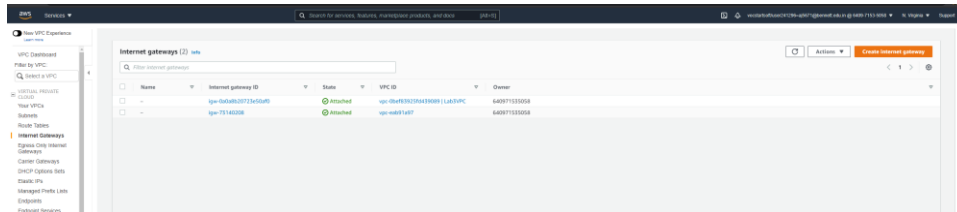
Subnets (7)

Name	Subnet ID	State	VPC	IPv4 CIDR	IPv4 CIDR	Available IPv4 addresses	Availability Zone	Availability Zone ID	Network border group
-	subnet-07189940	Available	vpc-e0d011a07	172.31.32.0/20	-	4091	us-east-1c	vpc01-a05	us-east-1
-	subnet-75d0a76	Available	vpc-e0d011a07	172.31.84.0/20	-	4091	us-east-1f	vpc01-a05	us-east-1
-	subnet-79a53358	Available	vpc-e0d011a07	172.31.80.0/20	-	4091	us-east-1a	vpc01-a02	us-east-1
-	subnet-00a00a30	Available	vpc-e0d011a07	172.31.16.0/20	-	4091	us-east-1a	vpc01-a04	us-east-1
Lab3EB01-public	subnet-03795706ac03344	Available	vpc-d0e03230439089 (Lab3VPC)	10.0.0.0/24	-	251	us-east-1a	vpc01-a02	us-east-1
-	subnet-04850263	Available	vpc-e0d011a07	172.31.0.0/20	-	4091	us-east-1a	vpc01-a01	us-east-1
-	subnet-00a00a30	Available	vpc-e0d011a07	172.31.48.0/20	-	4091	us-east-1a	vpc01-a03	us-east-1

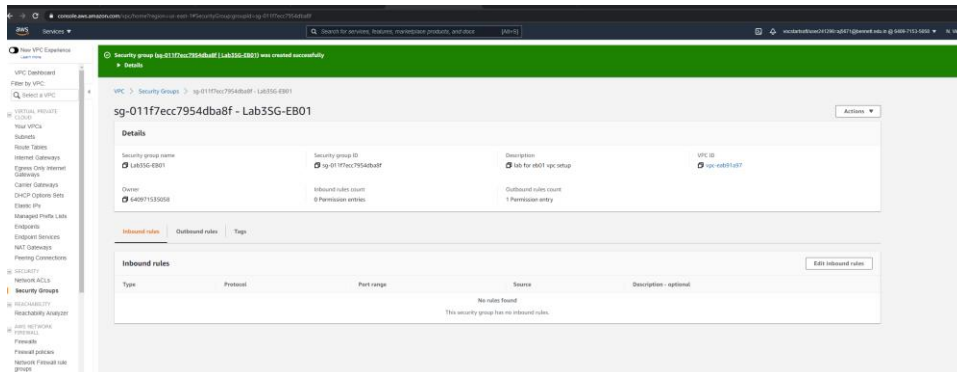
## 3. Available subnets



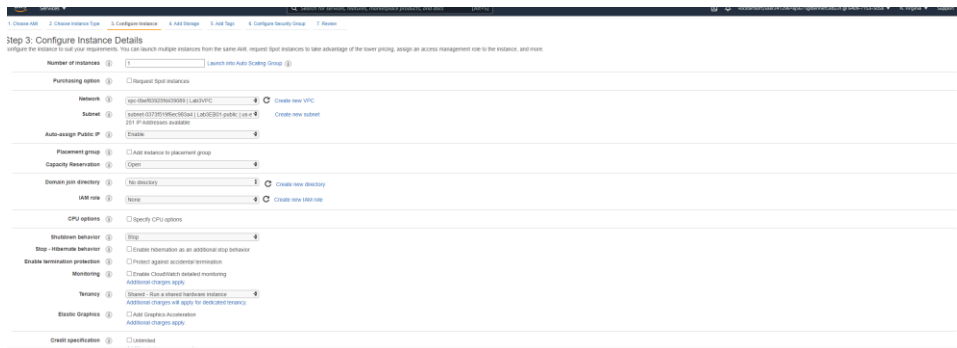
#### 4. Route tables



#### 5. Internet gateways



#### 6. Creating security gateways



#### 7. Configuring ec2 instance

**Launch Status**

**Your instances are now launching**  
The following instance launches have been initiated: [i-0219737078104391](#) [View launch log](#)

**Get notified of estimated charges**  
Create billing alerts to get an email notification when estimated charges on your AWS bill exceed an amount you define (for example, if you exceed the free usage tier)

**How to connect to your instances**

Your instances are launching, and it may take a few minutes until they are in the **running** state, when they will be ready for you to use. Usage hours on your new instances will start immediately and continue to accrue until you stop or terminate your instances. Click **View instances** to monitor your instance status. Once your instances are in the **running** state, you can **connect** to them from the instances screen. Find out how to connect to your instances.

**Here are some helpful resources to get you started**

- How to connect to your Windows instance
- Learn about AWS Free usage tier
- Amazon EC2 User Guide
- Amazon EC2 Microsoft Windows Guide
- Amazon EC2 Discussion Forum

While your instances are launching you can also:

- Create status check alarms to be notified when these instances fail status checks. (Additional charges may apply)
- Create and attach additional EBS volumes. (Additional charges may apply)
- Attach security groups

[View instances](#)

## 8. EC2 INSTANCE SET

EC2 > Security Groups > sg-910f96a7/MSB48uatt - Lab3SG-4801 > Edit inbound rules

**Edit inbound rules** [info](#)

Inbound rules control the incoming traffic that's allowed to reach the instance.

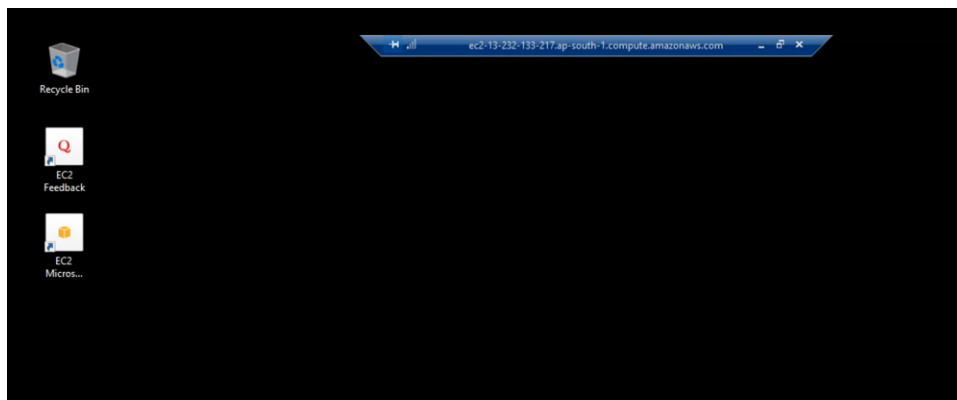
Type	info	Protocol	info	Port range	info	Source	info	Description - optional	info
SSH		TCP		22		Anywhere			Delete
HTTP		TCP		80		Anywhere			Delete

[Add rule](#)

**NOTE:** Any edits made on existing rules will result in the edited rule being deleted and a new rule created with the new details. This will cause traffic that depends on that rule to be dropped for a very brief period of time until the new rule can be created.

[Cancel](#) [Previous changes](#) [Save rules](#)

## 9. Adding security gateway inbound rules



## 10. Instance launched