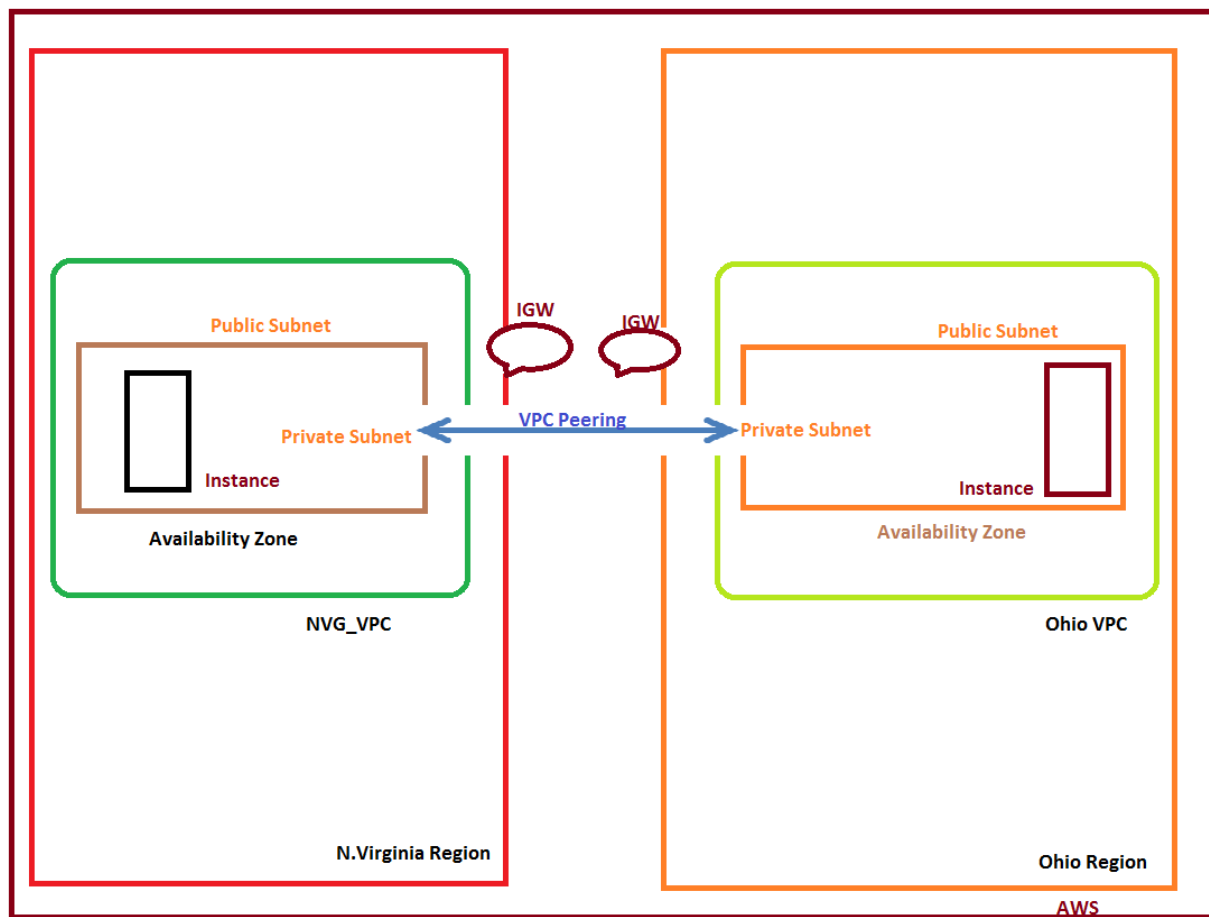


Lab 12

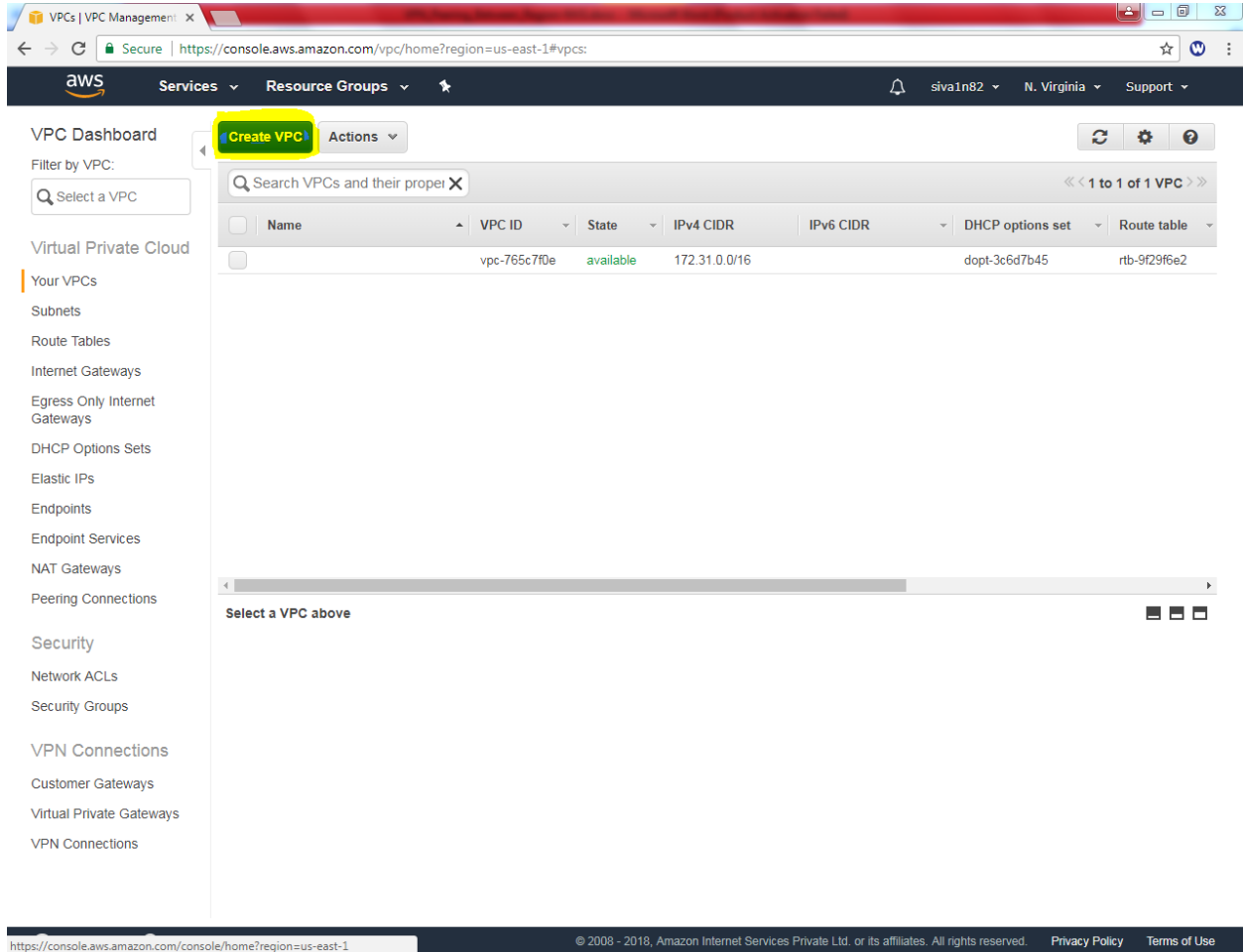
VPC Peering Lab – 1 of 3



Scenario:

In AWS, regions are not communicate by default. Our scenario is to connect private networks between two regions by configuring VPC Peering.

In VPC Dashboard, click create VPC



The screenshot shows the AWS VPC Dashboard in a web browser. The browser's address bar displays the URL `https://console.aws.amazon.com/vpc/home?region=us-east-1#vpcs`. The AWS navigation bar at the top includes the 'Services' dropdown, 'Resource Groups', and user information for 'siva1n82' in 'N. Virginia'. The left-hand navigation pane lists various VPC-related services, including 'Your VPCs', 'Subnets', 'Route Tables', 'Internet Gateways', 'Egress Only Internet Gateways', 'DHCP Options Sets', 'Elastic IPs', 'Endpoints', 'Endpoint Services', 'NAT Gateways', 'Peering Connections', 'Security', 'Network ACLs', 'Security Groups', 'VPN Connections', 'Customer Gateways', 'Virtual Private Gateways', and 'VPN Connections'. The main content area is titled 'VPC Dashboard' and features a 'Create VPC' button, which is highlighted with a yellow box. Below this button is a search bar labeled 'Search VPCs and their properties'. A table lists the existing VPCs, with one VPC shown: 'vpc-765c7f0e' in an 'available' state, with IPv4 CIDR '172.31.0.0/16', DHCP options set 'dopt-3c6d7b45', and route table 'rtb-9f29f6e2'. The bottom of the page shows the footer with the URL `https://console.aws.amazon.com/console/home?region=us-east-1`, copyright information '© 2008 - 2018, Amazon Internet Services Private Ltd. or its affiliates. All rights reserved.', and links to 'Privacy Policy' and 'Terms of Use'.

While create VPC, **Name tag** as “Sansbound_VPC” and **IPv4 CIDR Block** as 10.0.0.0/16

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, 10.0.0.0/16. You cannot specify an IPv4 CIDR block larger than /16. You can optionally associate an Amazon-provided IPv6 CIDR block with the VPC.

Name tag ⓘ

IPv4 CIDR block* ⓘ

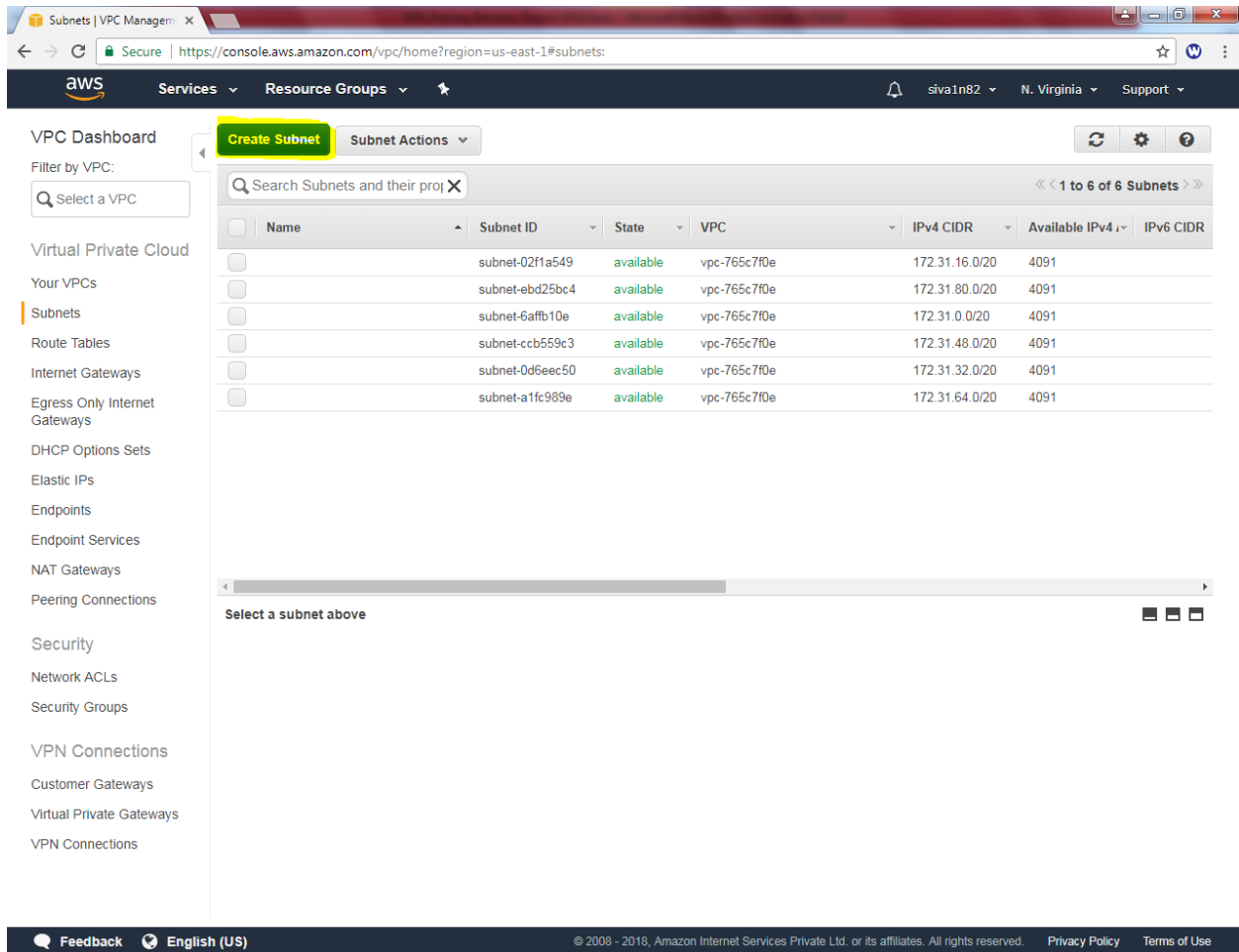
IPv6 CIDR block* ☒ No IPv6 CIDR Block ⓘ
☐ Amazon provided IPv6 CIDR block

Tenancy ⓘ

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

Then click “Create”.

Then we need to create subnet for the VPC.



The screenshot shows the AWS Management Console interface for the VPC Subnets page. The browser address bar displays the URL: <https://console.aws.amazon.com/vpc/home?region=us-east-1#subnets:>. The console header includes the AWS logo, navigation tabs for Services, Resource Groups, and a user profile section for 'siva1n82' in the 'N. Virginia' region. The left-hand navigation pane lists various VPC-related services, with 'Subnets' currently selected. The main content area features a 'VPC Dashboard' with a 'Filter by VPC' dropdown set to 'Select a VPC'. A 'Create Subnet' button is highlighted in yellow. Below this is a search bar and a table listing six subnets. The table columns are: Name, Subnet ID, State, VPC, IPv4 CIDR, Available IPv4, and IPv6 CIDR. All subnets are in the 'available' state and are associated with the 'vpc-765c7f0e' VPC. The bottom of the console shows a footer with 'Feedback', 'English (US)', and copyright information for 2008-2018.

Name	Subnet ID	State	VPC	IPv4 CIDR	Available IPv4	IPv6 CIDR
	subnet-02f1a549	available	vpc-765c7f0e	172.31.16.0/20	4091	
	subnet-ebd25bc4	available	vpc-765c7f0e	172.31.80.0/20	4091	
	subnet-6affb10e	available	vpc-765c7f0e	172.31.0.0/20	4091	
	subnet-ccb559c3	available	vpc-765c7f0e	172.31.48.0/20	4091	
	subnet-0d6eec50	available	vpc-765c7f0e	172.31.32.0/20	4091	
	subnet-a1fc989e	available	vpc-765c7f0e	172.31.64.0/20	4091	

While creating subnet, **Name tag** as Sansbound_Public_subnet, **VPC** as “Sansbound VPC” **Availability zone** – 1B (Optional) and **IPv4 CIDR Block** as 10.0.2.0/24.

Create Subnet ✕

Use the CIDR format to specify your subnet's IP address block (e.g., 10.0.0.0/24). Note that block sizes must be between a /16 netmask and /28 netmask. Also, note that a subnet can be the same size as your VPC. An IPv6 CIDR block must be a /64 CIDR block.

Name tag ⓘ

VPC ⓘ

VPC CIDRs

CIDR	Status	Status Reason
10.0.0.0/16	associated	

Availability Zone ⓘ

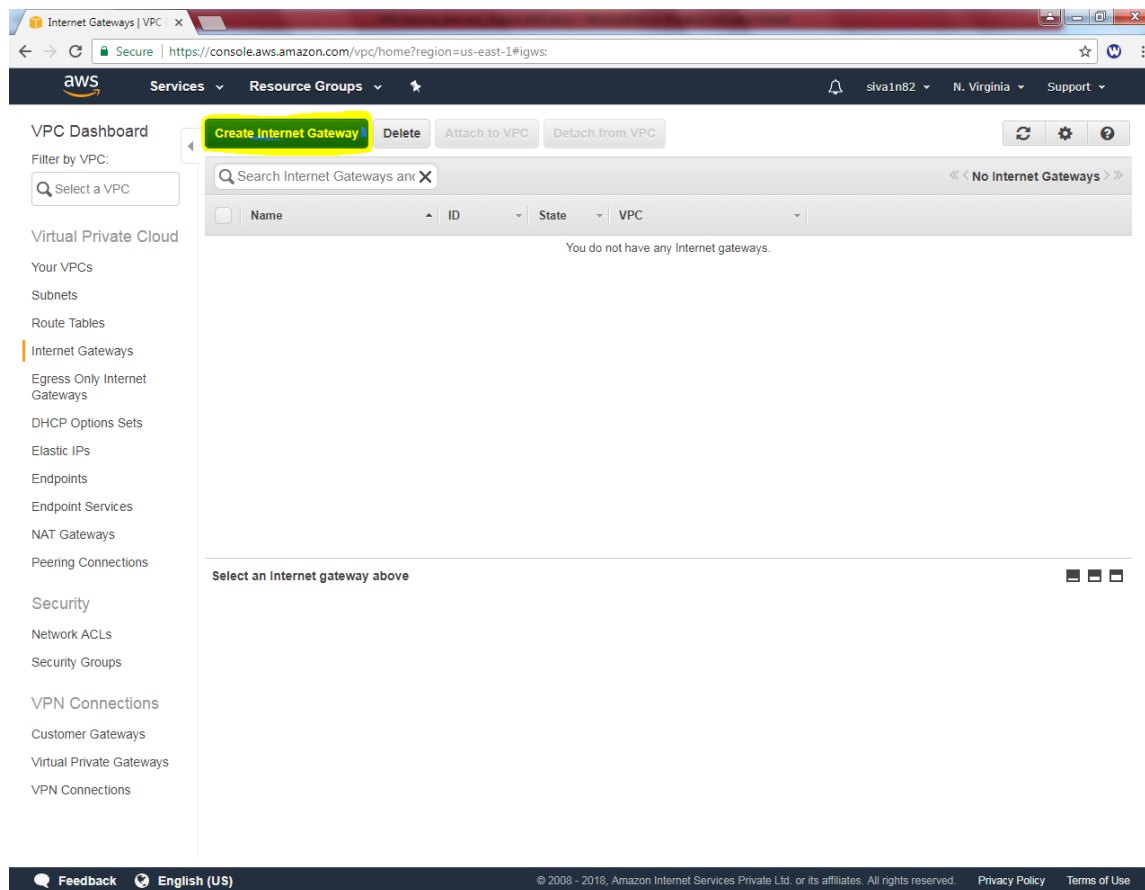
IPv4 CIDR block ⓘ

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

Then click “Yes, create”.

We need to create internet gateway to access the internet and connect the server publicly.

Click “Create Internet Gateway”



In **Name tag** “Sansbound IGW” and then click “Yes, create”.

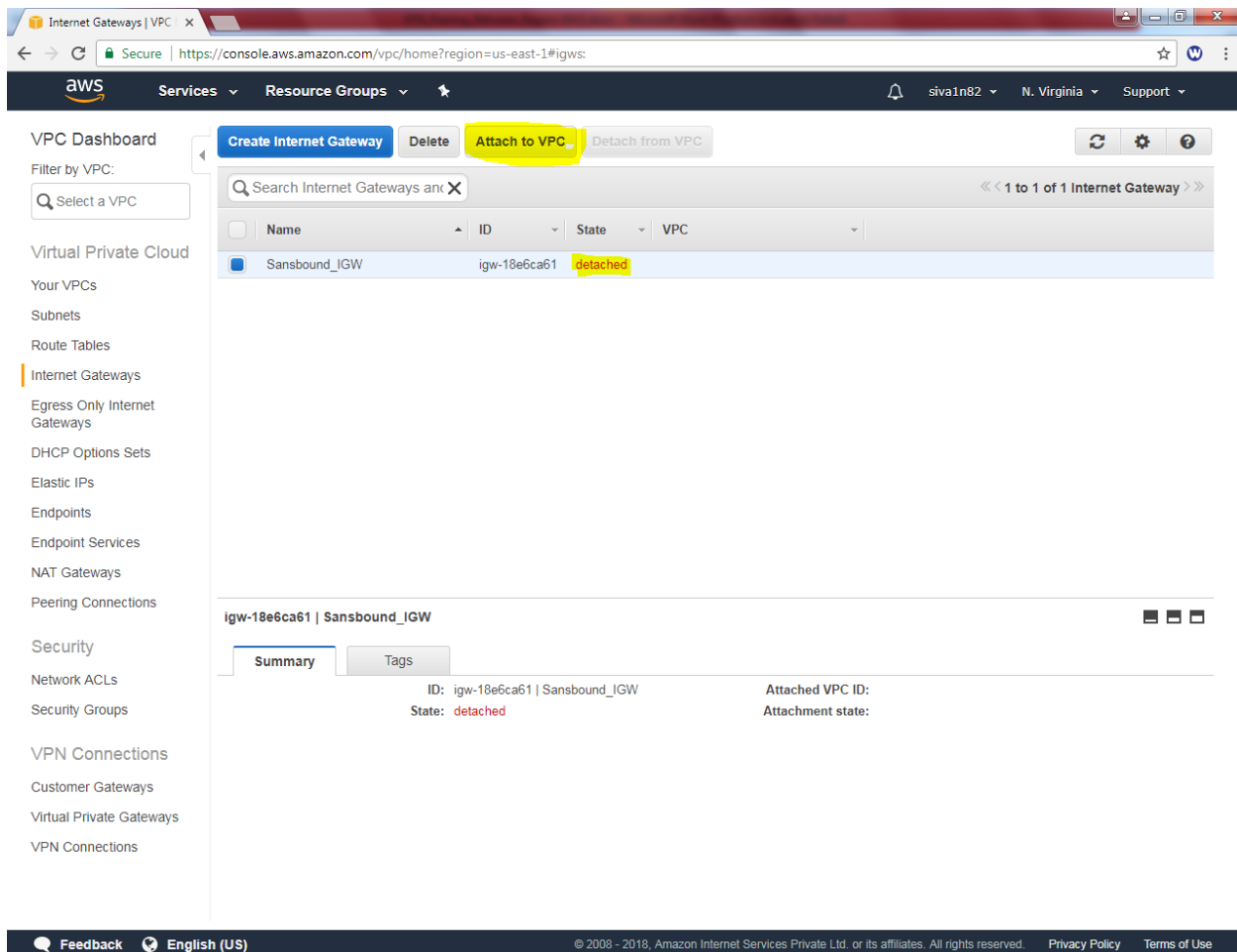
Create Internet Gateway ✕

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

Name tag i

Cancel Yes, Create

In Internet gateway, it's in detached state, we need to attach the VPC.



The screenshot shows the AWS Management Console interface. The top navigation bar includes the AWS logo, 'Services', 'Resource Groups', and user information. The left sidebar shows the 'VPC Dashboard' with a search filter and a list of VPC-related services. The main content area displays the 'Internet Gateways' section for the VPC 'Sansbound_IGW'. A table lists the gateway with columns for Name, ID, State, and VPC. The gateway 'Sansbound_IGW' (ID: igw-18e6ca61) is shown with a state of 'detached'. Below the table, the 'Summary' tab for the gateway is active, showing the ID, Name, and State (detached). The 'Attached VPC ID' and 'Attachment state' are also displayed.

Name	ID	State	VPC
Sansbound_IGW	igw-18e6ca61	detached	

igw-18e6ca61 | Sansbound_IGW

Summary | Tags

ID: igw-18e6ca61 | Sansbound_IGW
State: detached

Attached VPC ID:
Attachment state:

Click "Yes, attach".

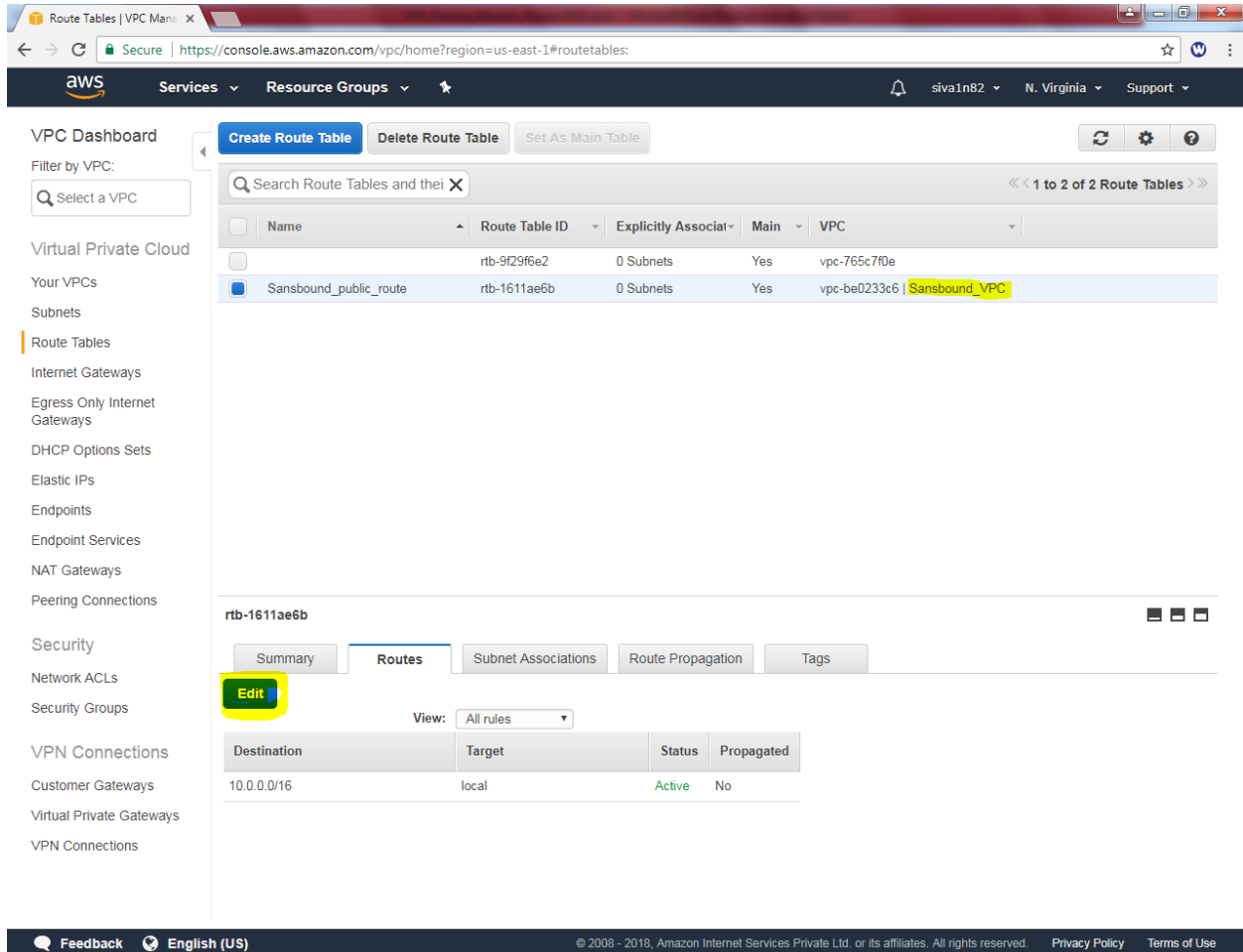
Attach to VPC ✕

Attach an Internet gateway to a VPC to enable communication with the Internet.

VPC vpc-be0233c6 | Sansbound_VPC ⓘ

Cancel Yes, Attach

In Routing table, click Need to the rename the Sansbound VPC table as Sansbound Public route.



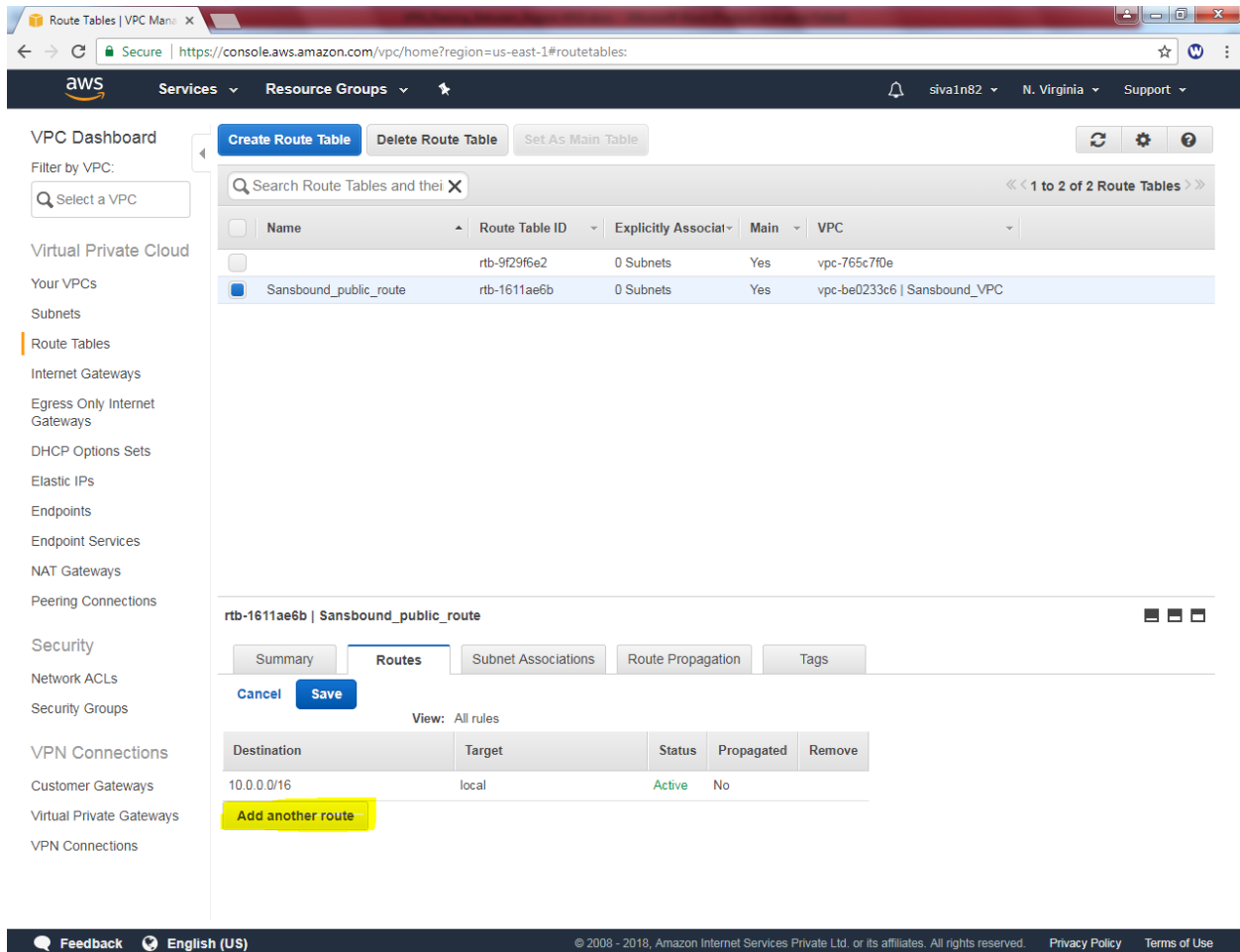
The screenshot shows the AWS Management Console interface for Route Tables. The left sidebar contains a navigation menu with categories like VPC Dashboard, Virtual Private Cloud, Security, and VPN Connections. The main content area displays a list of Route Tables. The table has columns: Name, Route Table ID, Explicitly Associated, Main, and VPC. Two route tables are listed: 'rtb-9f29f6e2' and 'Sansbound_public_route' (selected). Below the table, the details for 'rtb-1611ae6b' are shown, including tabs for Summary, Routes, Subnet Associations, Route Propagation, and Tags. The 'Routes' tab is active, showing a single route with destination '10.0.0.0/16' and target 'local'. The 'Edit' button is highlighted in the top left of the route details section.

Name	Route Table ID	Explicitly Associated	Main	VPC
	rtb-9f29f6e2	0 Subnets	Yes	vpc-765c7f0e
<input checked="" type="checkbox"/> Sansbound_public_route	rtb-1611ae6b	0 Subnets	Yes	vpc-be0233c6 Sansbound_VPC

Destination	Target	Status	Propagated
10.0.0.0/16	local	Active	No

Then click “edit” option in route

Click “Add another route” option in route.



The screenshot shows the AWS Management Console interface for Route Tables. The left sidebar contains a navigation menu with categories like Virtual Private Cloud, Security, and VPN Connections. The main content area displays a list of route tables. The 'Sansbound_public_route' is selected, and its details are shown below. The 'Routes' tab is active, showing a table with one route. The 'Add another route' button is highlighted in yellow.

Route Tables | VPC Manager

Filter by VPC:

Virtual Private Cloud

- Your VPCs
- Subnets
- Route Tables**
- Internet Gateways
- Egress Only Internet Gateways
- DHCP Options Sets
- Elastic IPs
- Endpoints
- Endpoint Services
- NAT Gateways
- Peering Connections

Security

- Network ACLs
- Security Groups

VPN Connections

- Customer Gateways
- Virtual Private Gateways
- VPN Connections

Create Route Table **Delete Route Table** **Set As Main Table**

Search Route Tables and their associated subnets

Name	Route Table ID	Explicitly Associated Subnets	Main	VPC
<input type="checkbox"/>	rtb-9f29f6e2	0 Subnets	Yes	vpc-765c7f0e
<input checked="" type="checkbox"/>	Sansbound_public_route	0 Subnets	Yes	vpc-be0233c6 Sansbound_VPC

rtb-1611ae6b | Sansbound_public_route

Summary **Routes** **Subnet Associations** **Route Propagation** **Tags**

Cancel **Save**

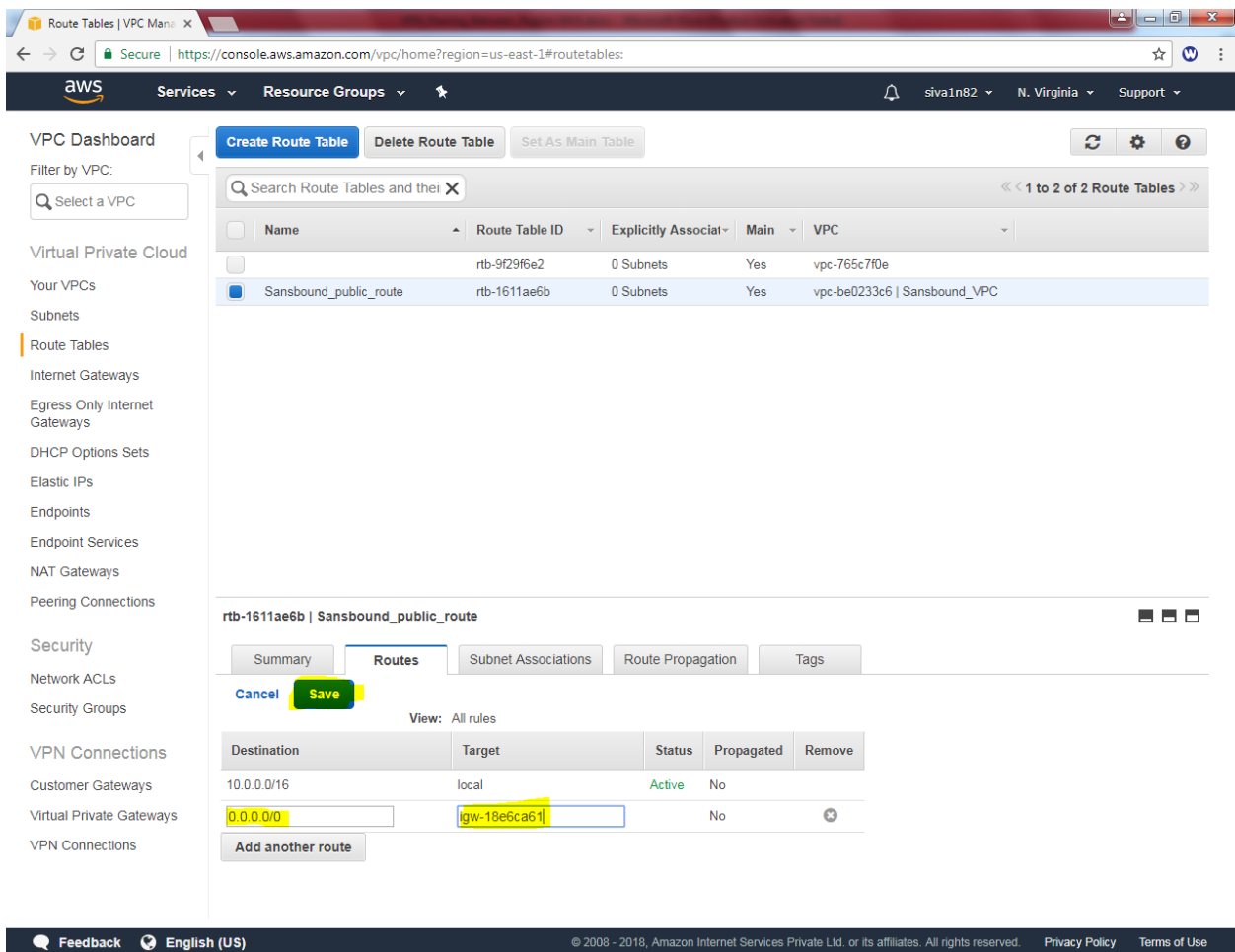
View: All rules

Destination	Target	Status	Propagated	Remove
10.0.0.0/16	local	Active	No	

Add another route

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Add default route 0.0.0.0/0 and select **igw-*** as target.

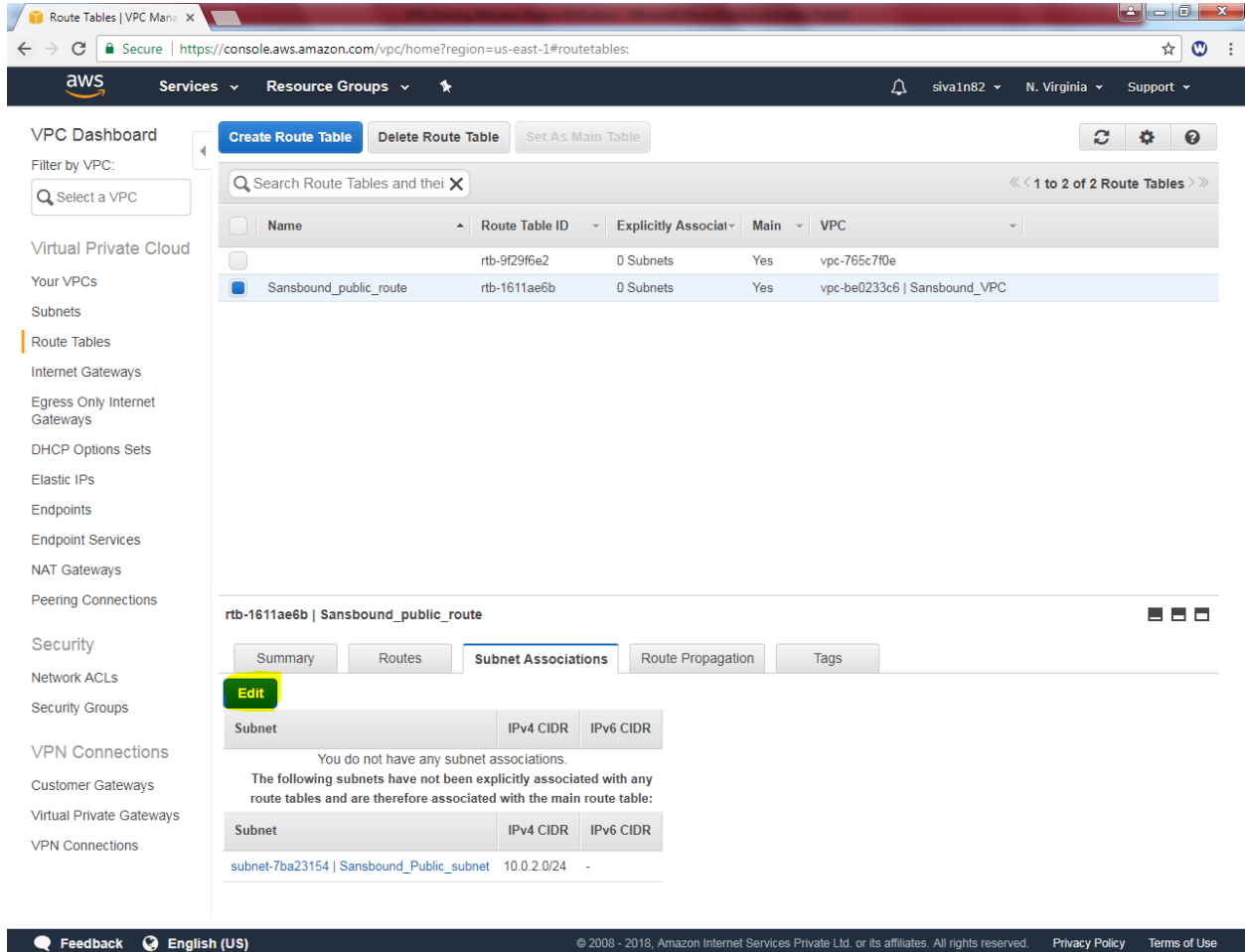


The screenshot shows the AWS Management Console interface for the 'Route Tables' section. The left sidebar contains a navigation menu with categories like VPC Dashboard, Virtual Private Cloud, Security, and VPN Connections. The main content area displays a list of route tables, with 'Sansbound_public_route' (rtb-1611ae6b) selected. Below the list, the 'Routes' tab is active, showing a table of routes. The first route is for destination '10.0.0.0/16' with target 'local' and status 'Active'. A second route is being added with destination '0.0.0.0/0' and target 'igw-18e6ca61'. The 'Add another route' button is visible at the bottom of the route table.

Destination	Target	Status	Propagated	Remove
10.0.0.0/16	local	Active	No	
0.0.0.0/0	igw-18e6ca61	No	No	

Then click “save”.

In “Subnet associations” click edit option.

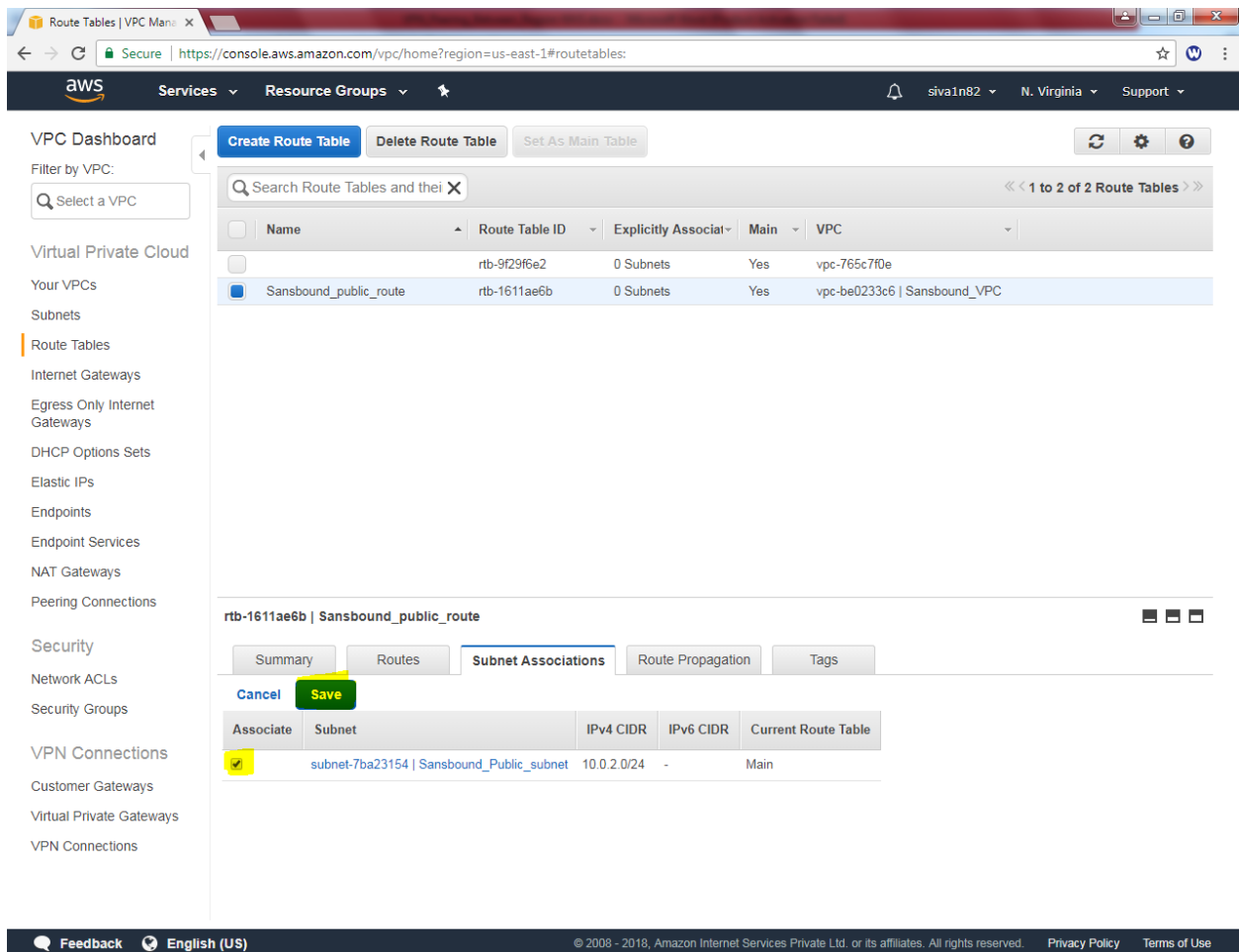


The screenshot shows the AWS Management Console interface for the 'Route Tables' section. The left sidebar contains a navigation menu with categories like VPC Dashboard, Virtual Private Cloud, Security, and VPN Connections. The main content area displays a table of route tables. The selected route table, 'rtb-1611ae6b | Sansbound_public_route', is shown in detail. The 'Subnet Associations' tab is active, displaying a message that no subnet associations exist and a list of subnets not explicitly associated with any route tables. The 'Edit' button is highlighted in yellow.

Name	Route Table ID	Explicitly Associat	Main	VPC
<input type="checkbox"/>	rtb-9f29f6e2	0 Subnets	Yes	vpc-765c7f0e
<input checked="" type="checkbox"/>	Sansbound_public_route	0 Subnets	Yes	vpc-be0233c6 Sansbound_VPC

rtb-1611ae6b Sansbound_public_route								
Summary	Routes	Subnet Associations						
<p>You do not have any subnet associations.</p> <p>The following subnets have not been explicitly associated with any route tables and are therefore associated with the main route table:</p> <table border="1"> <thead> <tr> <th>Subnet</th> <th>IPv4 CIDR</th> <th>IPv6 CIDR</th> </tr> </thead> <tbody> <tr> <td>subnet-7ba23154 Sansbound_Public_subnet</td> <td>10.0.2.0/24</td> <td>-</td> </tr> </tbody> </table>			Subnet	IPv4 CIDR	IPv6 CIDR	subnet-7ba23154 Sansbound_Public_subnet	10.0.2.0/24	-
Subnet	IPv4 CIDR	IPv6 CIDR						
subnet-7ba23154 Sansbound_Public_subnet	10.0.2.0/24	-						

In Subnet associations select check box in “Sansbound Public Subnet”



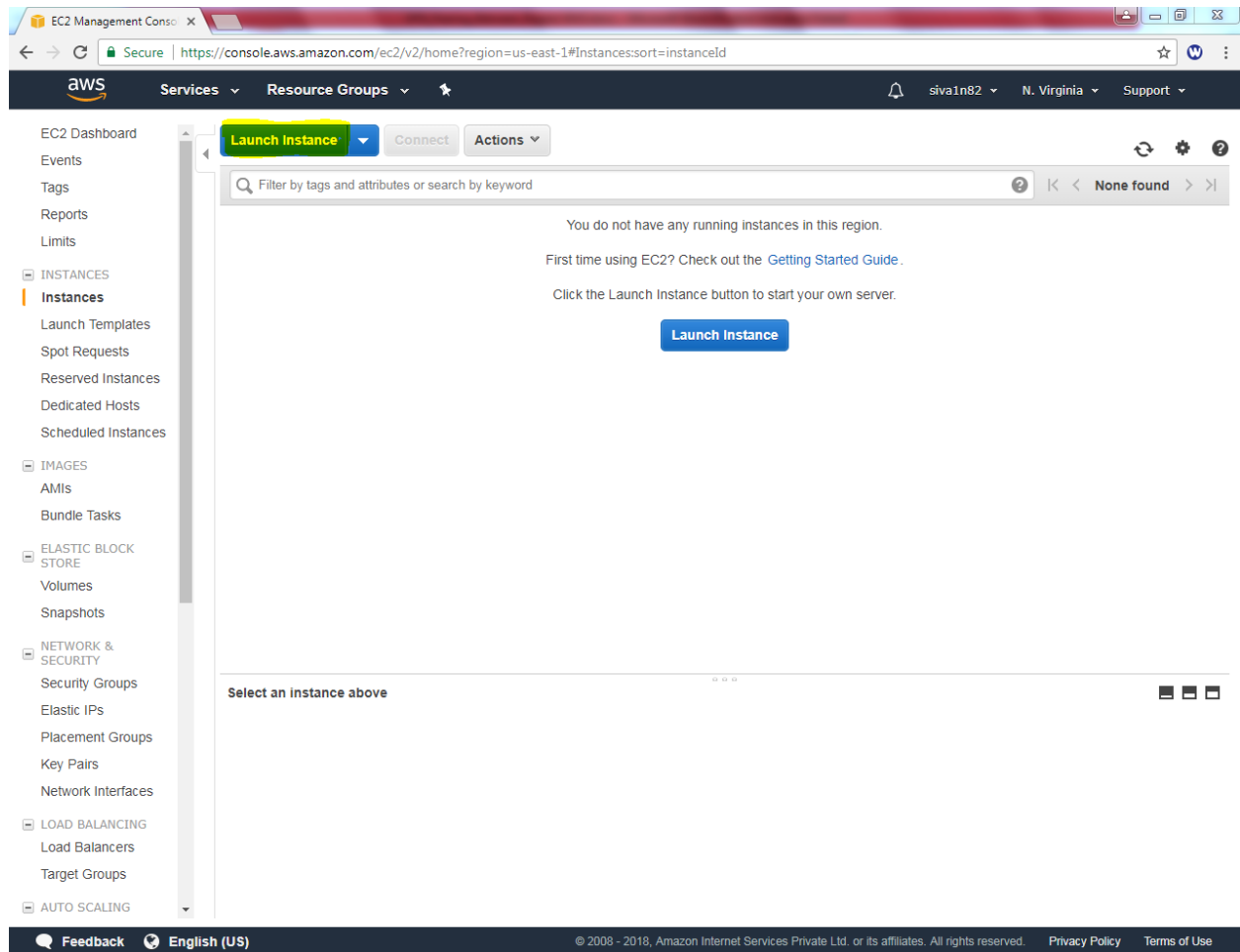
The screenshot shows the AWS Management Console interface for the 'Route Tables' section. The left sidebar contains a navigation menu with options like 'Virtual Private Cloud', 'Your VPCs', 'Subnets', 'Route Tables', etc. The main content area displays a list of route tables. The selected route table, 'rtb-1611ae6b | Sansbound_public_route', is shown in detail. The 'Subnet Associations' tab is active, displaying a table with the following data:

Associate	Subnet	IPv4 CIDR	IPv6 CIDR	Current Route Table
<input checked="" type="checkbox"/>	subnet-7ba23154 Sansbound_Public_subnet	10.0.2.0/24	-	Main

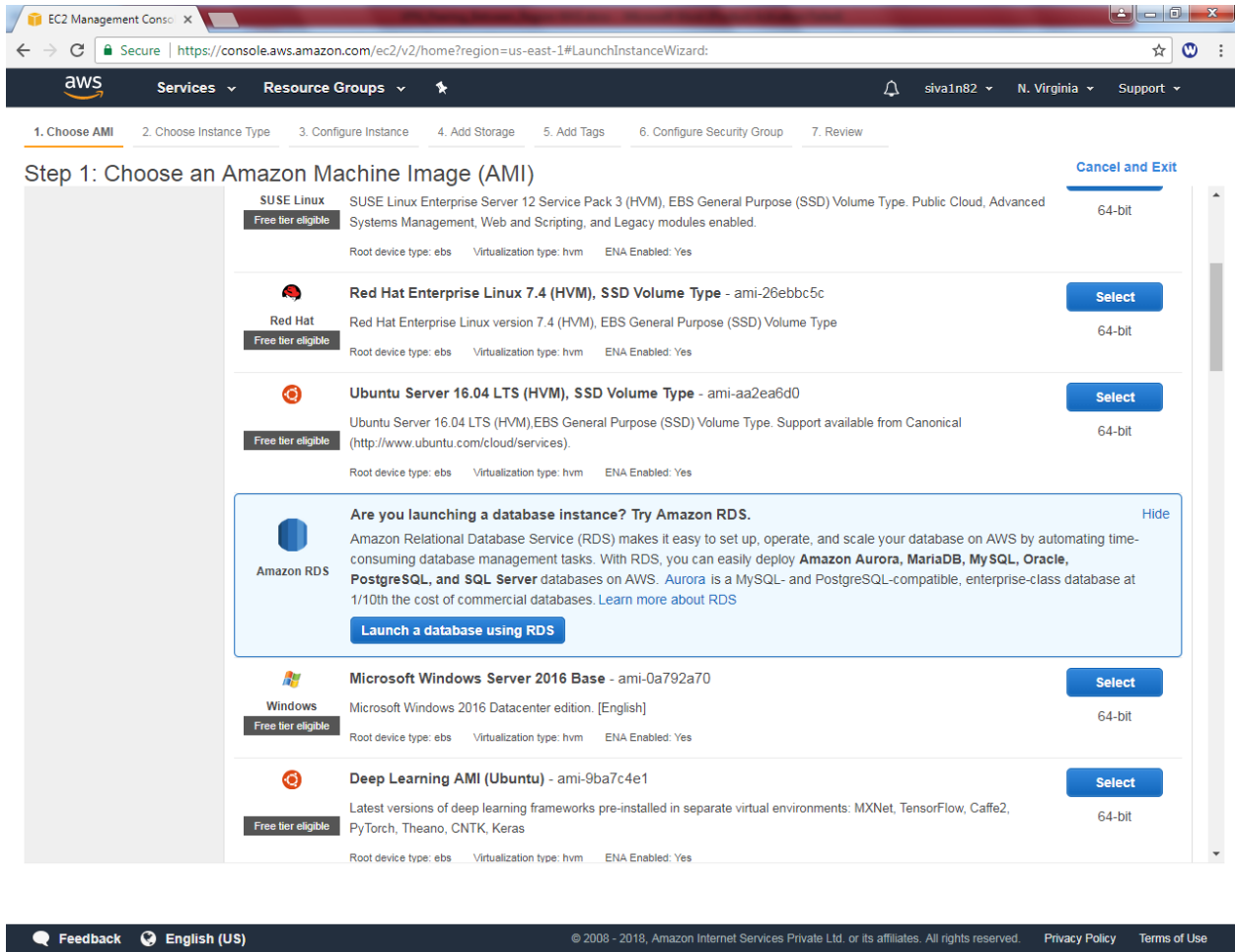
At the top of the 'Subnet Associations' section, there are 'Cancel' and 'Save' buttons. The 'Save' button is highlighted with a yellow box.

Click “Save”.

Now we need to create an instance (windows 2016) in North Virginia.



Select “Microsoft Windows Server 2016 Base”



EC2 Management Console | <https://console.aws.amazon.com/ec2/v2/home?region=us-east-1#LaunchInstanceWizard>

Services | Resource Groups | siva1n82 | N. Virginia | Support

1. Choose AMI | 2. Choose Instance Type | 3. Configure Instance | 4. Add Storage | 5. Add Tags | 6. Configure Security Group | 7. Review

Step 1: Choose an Amazon Machine Image (AMI)

[Cancel and Exit](#)

OS	AMI ID	Architecture	Root Device Type	Virtualization Type	ENA Enabled
SUSE Linux	SUSE Linux Enterprise Server 12 Service Pack 3 (HVM), EBS General Purpose (SSD) Volume Type. Public Cloud, Advanced Systems Management, Web and Scripting, and Legacy modules enabled.	64-bit	ebs	hvm	Yes
Red Hat	Red Hat Enterprise Linux 7.4 (HVM), SSD Volume Type - ami-26ebbc5c	64-bit	ebs	hvm	Yes
Ubuntu	Ubuntu Server 16.04 LTS (HVM), SSD Volume Type - ami-aa2ea6d0	64-bit	ebs	hvm	Yes
Microsoft Windows	Microsoft Windows Server 2016 Base - ami-0a792a70	64-bit	ebs	hvm	Yes
Deep Learning AMI (Ubuntu)	ami-9ba7c4e1	64-bit	ebs	hvm	Yes

Are you launching a database instance? Try Amazon RDS.

Amazon Relational Database Service (RDS) makes it easy to set up, operate, and scale your database on AWS by automating time-consuming database management tasks. With RDS, you can easily deploy **Amazon Aurora, MariaDB, MySQL, Oracle, PostgreSQL, and SQL Server** databases on AWS. **Aurora** is a MySQL- and PostgreSQL-compatible, enterprise-class database at 1/10th the cost of commercial databases. [Learn more about RDS](#)

[Launch a database using RDS](#)

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EC2 Management Console

[←](#)
[→](#)
[↻](#)

Secure
<https://console.aws.amazon.com/ec2/v2/home?region=us-east-1#LaunchInstanceWizard:>

aws

Services

Resource Groups

siva1n82

N. Virginia

Support

1. Choose AMI

2. Choose Instance Type

3. Configure Instance

4. Add Storage

5. Add Tags

6. Configure Security Group

7. Review

Step 2: Choose an Instance Type

Amazon EC2 provides a wide selection of instance types optimized to fit different use cases. Instances are virtual servers that can run applications. They have varying combinations of CPU, memory, storage, and networking capacity, and give you the flexibility to choose the appropriate mix of resources for your applications. [Learn more](#) about instance types and how they can meet your computing needs.

Filter by: All instance types Current generation [Show/Hide Columns](#)

Currently selected: t2.micro (Variable ECUs, 1 vCPU, 2.5 GHz, Intel Xeon Family, 1 GiB memory, EBS only)

	Family	Type	vCPUs	Memory (GiB)	Instance Storage (GiB)	EBS-Optimized Available	Network Performance	IPv6 Support
<input type="checkbox"/>	General purpose	t2.nano	1	0.5	EBS only	-	Low to Moderate	Yes
<input checked="" type="checkbox"/>	General purpose	t2.micro <small>Free tier eligible</small>	1	1	EBS only	-	Low to Moderate	Yes
<input type="checkbox"/>	General purpose	t2.small	1	2	EBS only	-	Low to Moderate	Yes
<input type="checkbox"/>	General purpose	t2.medium	2	4	EBS only	-	Low to Moderate	Yes
<input type="checkbox"/>	General purpose	t2.large	2	8	EBS only	-	Low to Moderate	Yes
<input type="checkbox"/>	General purpose	t2.xlarge	4	16	EBS only	-	Moderate	Yes
<input type="checkbox"/>	General purpose	t2.2xlarge	8	32	EBS only	-	Moderate	Yes
<input type="checkbox"/>	General purpose	m5.large	2	8	EBS only	Yes	Up to 10 Gigabit	Yes
<input type="checkbox"/>	General purpose	m5.xlarge	4	16	EBS only	Yes	Up to 10 Gigabit	Yes
<input type="checkbox"/>	General purpose	m5.2xlarge	8	32	EBS only	Yes	Up to 10 Gigabit	Yes
<input type="checkbox"/>	General purpose	m5.4xlarge	16	64	EBS only	Yes	Up to 10 Gigabit	Yes

[Cancel](#)
[Previous](#)
[Review and Launch](#)
[Next: Configure Instance Details](#)

Feedback

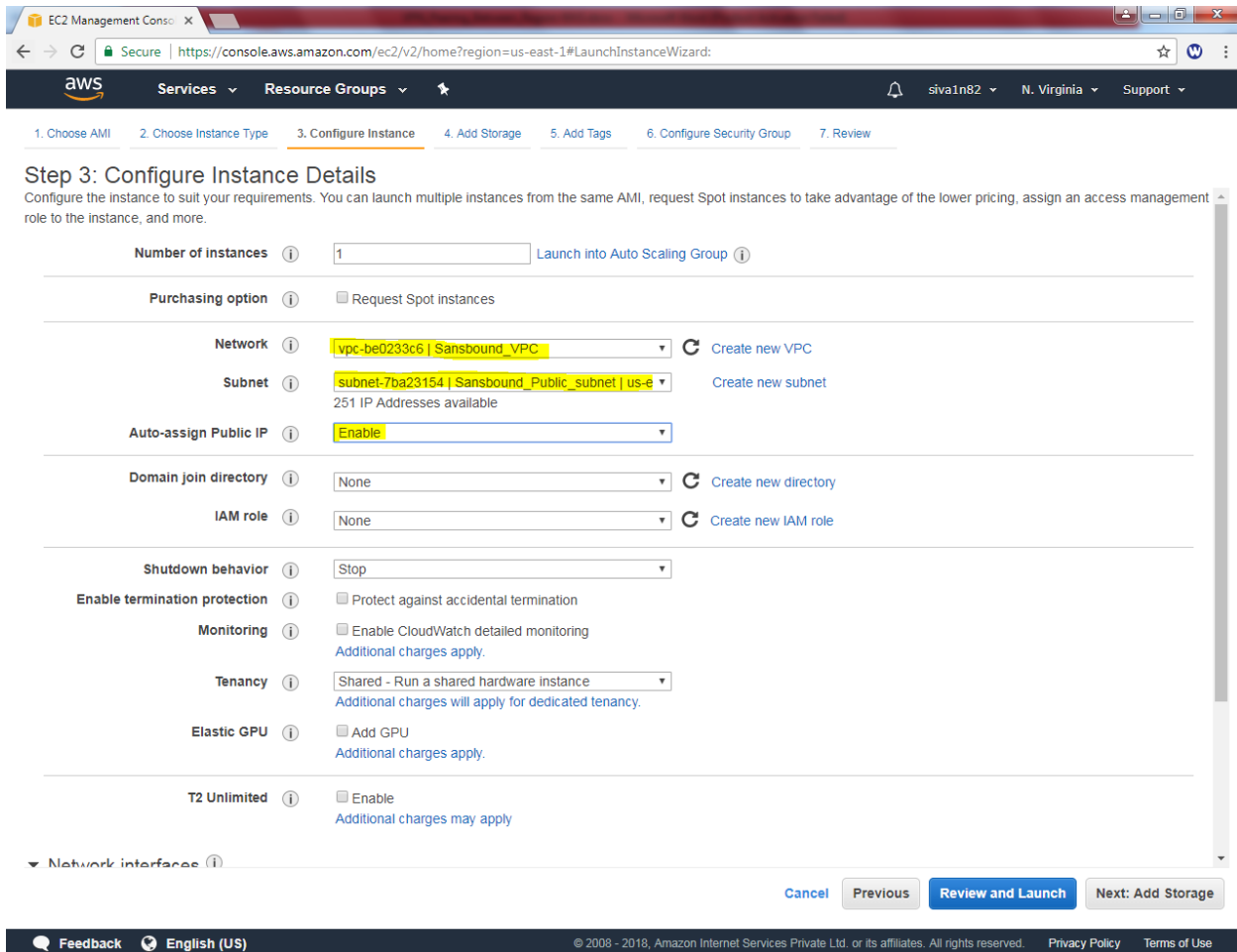
English (US)

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Select VPC as Sansbound_VPC

Select subnet as “Sansbound_Public_Subnet”.

Auto assign Public IP : Enable



EC2 Management Console

Services Resource Groups

1. Choose AMI 2. Choose Instance Type 3. Configure Instance 4. Add Storage 5. Add Tags 6. Configure Security Group 7. Review

Step 3: Configure Instance Details

Configure the instance to suit your requirements. You can launch multiple instances from the same AMI, request Spot instances to take advantage of the lower pricing, assign an access management role to the instance, and more.

Number of instances 1 Launch into Auto Scaling Group

Purchasing option ☐ Request Spot instances

Network vpc-be0233c6 | Sansbound_VPC Create new VPC

Subnet subnet-7ba23154 | Sansbound_Public_subnet | us-e Create new subnet
251 IP Addresses available

Auto-assign Public IP Enable

Domain join directory None Create new directory

IAM role None Create new IAM role

Shutdown behavior Stop

Enable termination protection ☐ Protect against accidental termination

Monitoring ☐ Enable CloudWatch detailed monitoring
Additional charges apply.

Tenancy Shared - Run a shared hardware instance
Additional charges will apply for dedicated tenancy.

Elastic GPU ☐ Add GPU
Additional charges apply.

T2 Unlimited ☐ Enable
Additional charges may apply

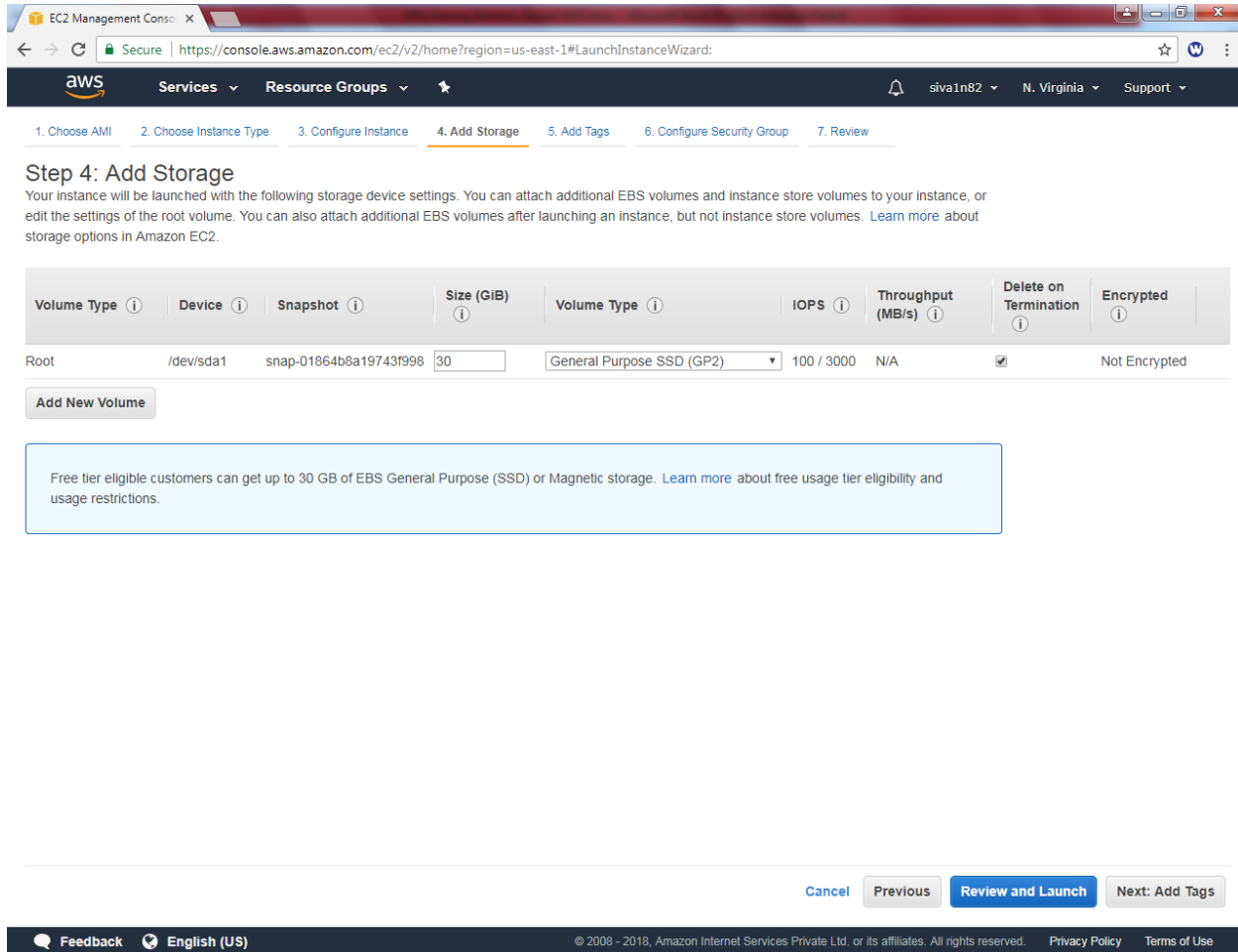
Network interfaces

Cancel Previous Review and Launch Next: Add Storage

Feedback English (US)

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Leave default settings and click “Next”.



The screenshot shows the AWS Management Console interface for the 'Add Storage' step of the EC2 instance launch wizard. The breadcrumb navigation at the top includes: 1. Choose AMI, 2. Choose Instance Type, 3. Configure Instance, 4. Add Storage (highlighted), 5. Add Tags, 6. Configure Security Group, and 7. Review.

Step 4: Add Storage

Your instance will be launched with the following storage device settings. You can attach additional EBS volumes and instance store volumes to your instance, or edit the settings of the root volume. You can also attach additional EBS volumes after launching an instance, but not instance store volumes. [Learn more](#) about storage options in Amazon EC2.

Volume Type	Device	Snapshot	Size (GiB)	Volume Type	IOPS	Throughput (MB/s)	Delete on Termination	Encrypted
Root	/dev/sda1	snap-01864b8a19743f998	30	General Purpose SSD (GP2)	100 / 3000	N/A	<input checked="" type="checkbox"/>	Not Encrypted

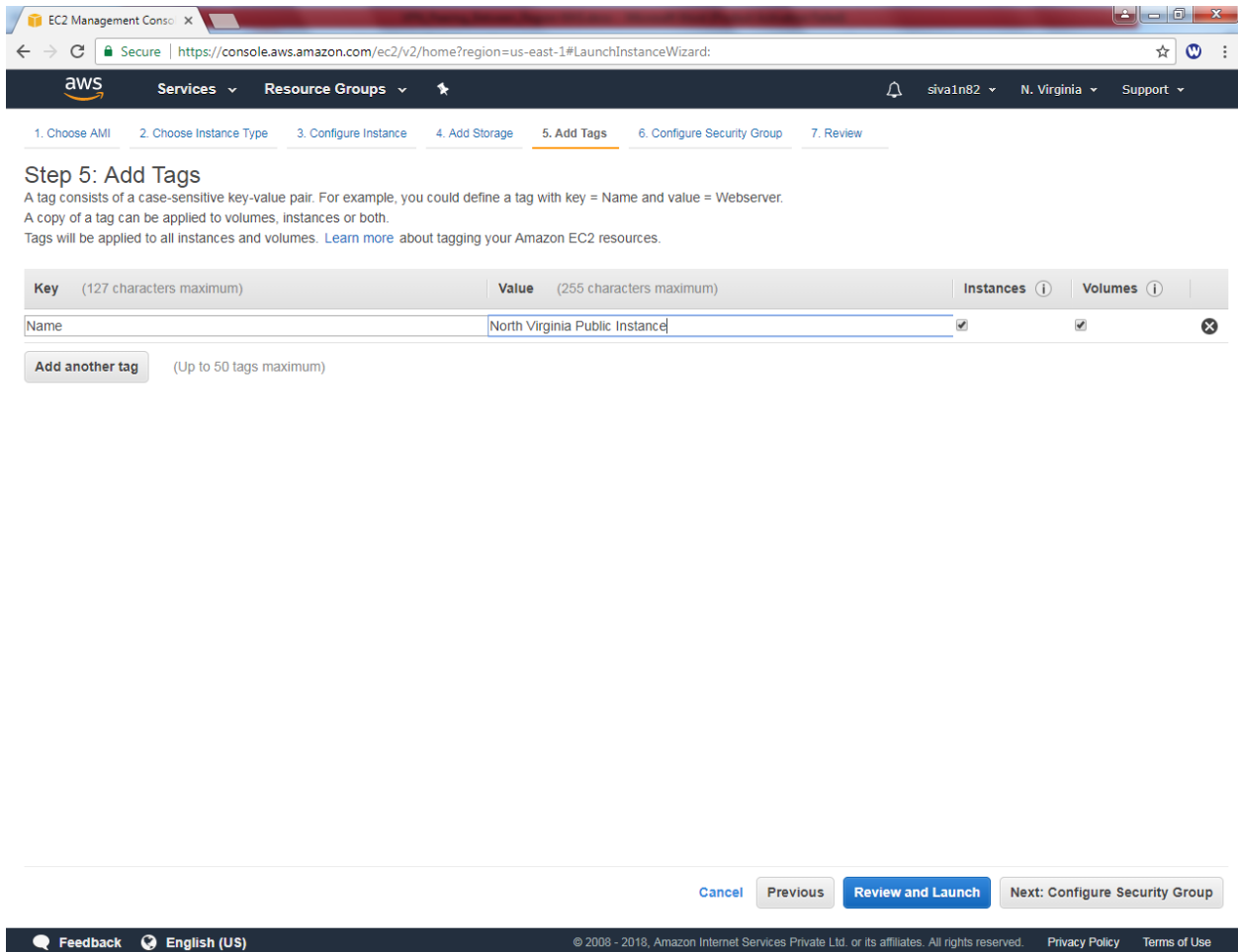
[Add New Volume](#)

Free tier eligible customers can get up to 30 GB of EBS General Purpose (SSD) or Magnetic storage. [Learn more](#) about free usage tier eligibility and usage restrictions.

Navigation buttons at the bottom: [Cancel](#), [Previous](#), [Review and Launch](#) (highlighted), and [Next: Add Tags](#).

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Type key as Name and value as “North Virginia Public instance” and then Click “Next”.



EC2 Management Console

Secure | <https://console.aws.amazon.com/ec2/v2/home?region=us-east-1#LaunchInstanceWizard>

Services | Resource Groups

1. Choose AMI | 2. Choose Instance Type | 3. Configure Instance | 4. Add Storage | **5. Add Tags** | 6. Configure Security Group | 7. Review

Step 5: Add Tags

A tag consists of a case-sensitive key-value pair. For example, you could define a tag with key = Name and value = Webserver.
A copy of a tag can be applied to volumes, instances or both.
Tags will be applied to all instances and volumes. [Learn more](#) about tagging your Amazon EC2 resources.

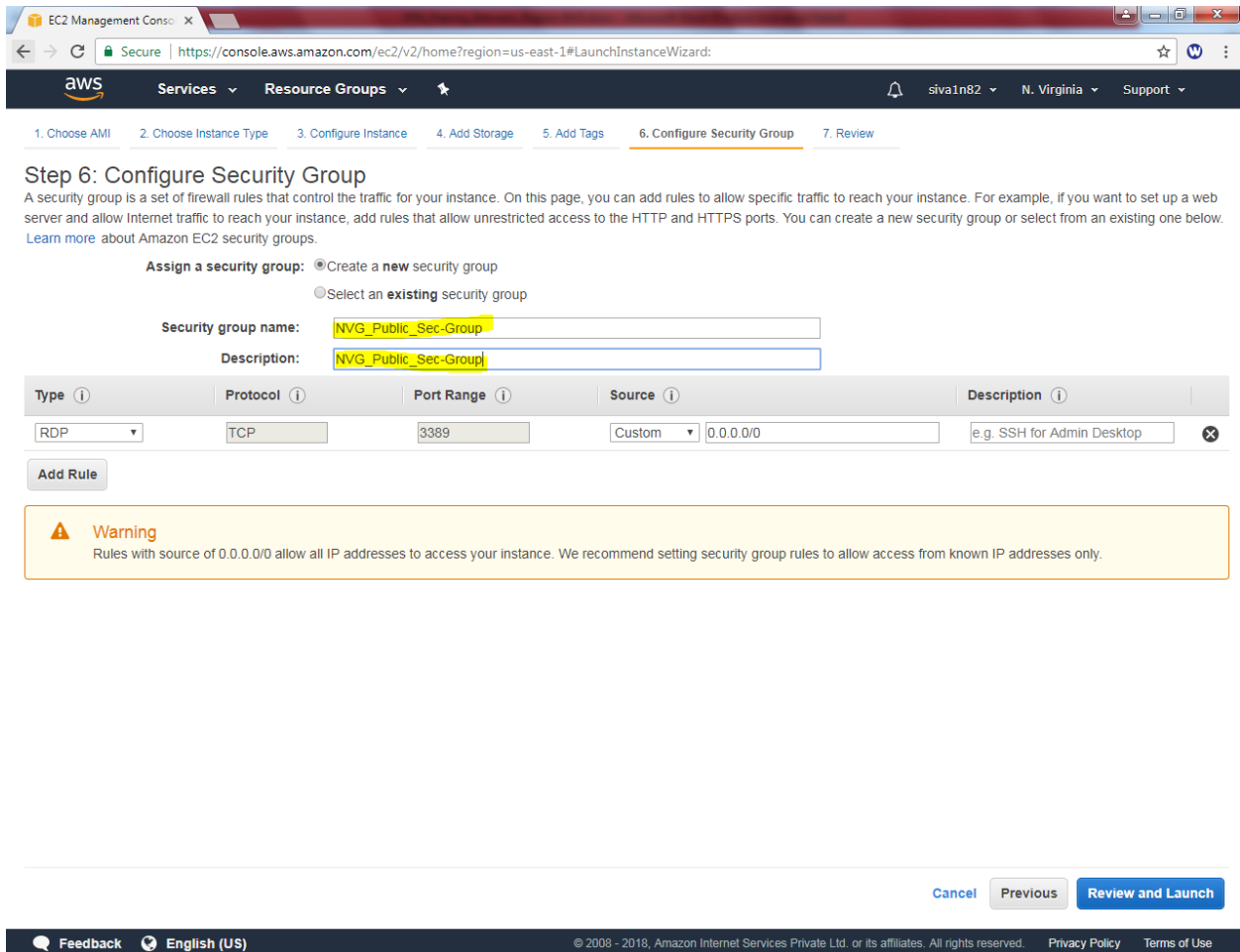
Key (127 characters maximum)	Value (255 characters maximum)	Instances ⓘ	Volumes ⓘ
Name	North Virginia Public Instance	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

[Add another tag](#) (Up to 50 tags maximum)

[Cancel](#) [Previous](#) [Review and Launch](#) [Next: Configure Security Group](#)

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Create a new security group as “NVG_Public_Sec_Group”.



The screenshot shows the AWS Management Console interface for the 'Configure Security Group' step. The breadcrumb trail at the top indicates the steps: 1. Choose AMI, 2. Choose Instance Type, 3. Configure Instance, 4. Add Storage, 5. Add Tags, 6. Configure Security Group (current step), and 7. Review. The page title is 'Step 6: Configure Security Group'. Below the title, there is a brief explanation of security groups and a link to learn more. The 'Assign a security group' section has two radio buttons: 'Create a new security group' (selected) and 'Select an existing security group'. Below this, there are input fields for 'Security group name' and 'Description', both containing the text 'NVG_Public_Sec-Group'. A table below these fields lists existing rules. The table has columns: Type, Protocol, Port Range, Source, and Description. One rule is listed: Type 'RDP', Protocol 'TCP', Port Range '3389', Source 'Custom' with IP '0.0.0.0/0', and Description 'e.g. SSH for Admin Desktop'. An 'Add Rule' button is below the table. A yellow warning box at the bottom states: 'Warning: Rules with source of 0.0.0.0/0 allow all IP addresses to access your instance. We recommend setting security group rules to allow access from known IP addresses only.' At the bottom right, there are three buttons: 'Cancel', 'Previous', and 'Review and Launch'.

EC2 Management Console

Services Resource Groups

1. Choose AMI 2. Choose Instance Type 3. Configure Instance 4. Add Storage 5. Add Tags 6. Configure Security Group 7. Review

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 Internet 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.

Assign a security group: ☒ Create a new security group ☐ Select an existing security group

Security group name: NVG_Public_Sec-Group

Description: NVG_Public_Sec-Group

Type	Protocol	Port Range	Source	Description
RDP	TCP	3389	Custom 0.0.0.0/0	e.g. SSH for Admin Desktop

Add Rule

Warning

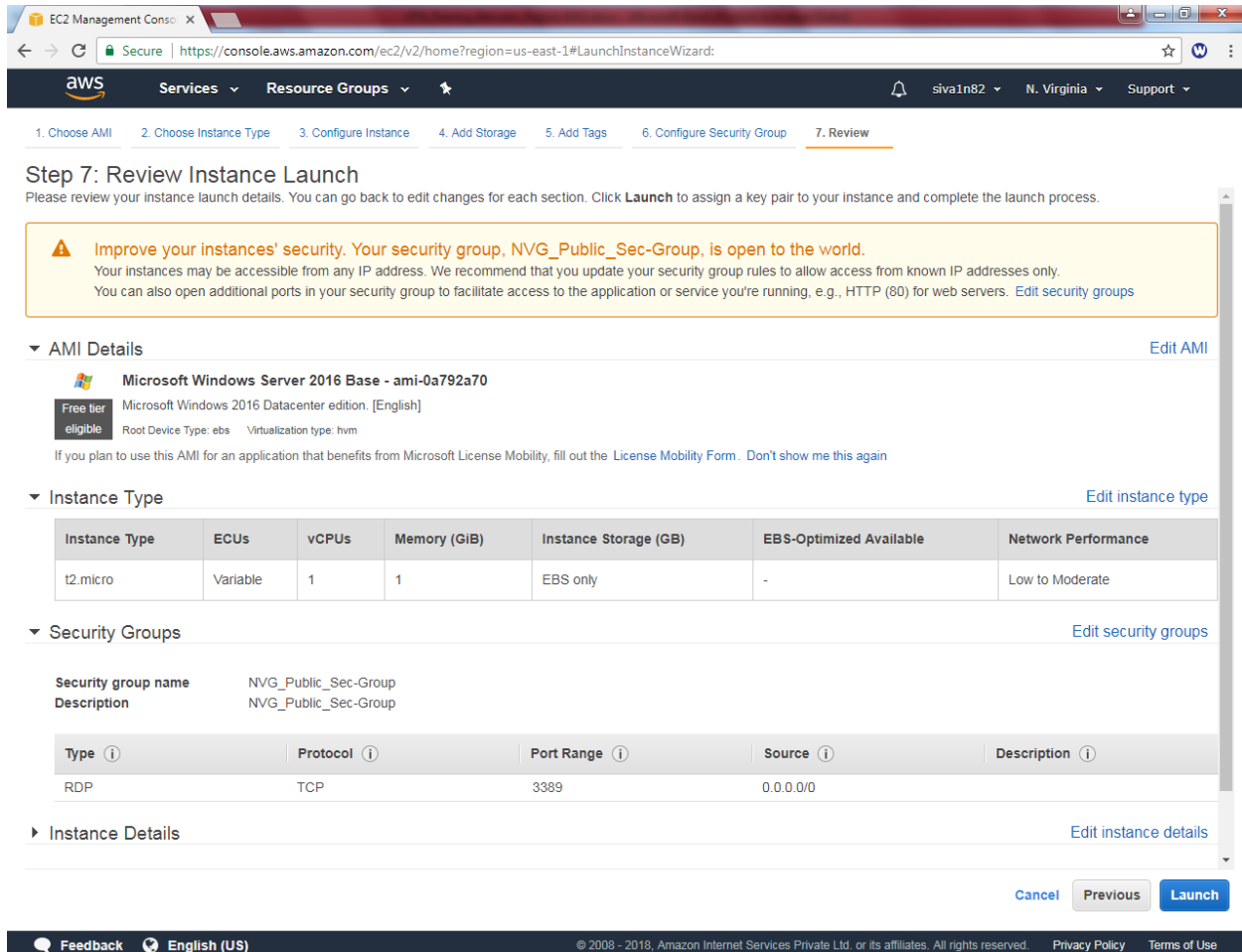
Rules with source of 0.0.0.0/0 allow all IP addresses to access your instance. We recommend setting security group rules to allow access from known IP addresses only.

Cancel Previous **Review and Launch**

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Click “Review and Launch”

Click “Launch”.



EC2 Management Console

Secure | <https://console.aws.amazon.com/ec2/v2/home?region=us-east-1#LaunchInstanceWizard>

Services Resource Groups

1. Choose AMI 2. Choose Instance Type 3. Configure Instance 4. Add Storage 5. Add Tags 6. Configure Security Group 7. Review

Step 7: Review Instance Launch

Please review your instance launch details. You can go back to edit changes for each section. Click **Launch** to assign a key pair to your instance and complete the launch process.

Improve your instances' security. Your security group, **NVG_Public_Sec-Group**, is open to the world. Your instances may be accessible from any IP address. We recommend that you update your security group rules to allow access from known IP addresses only. You can also open additional ports in your security group to facilitate access to the application or service you're running, e.g., HTTP (80) for web servers. [Edit security groups](#)

AMI Details [Edit AMI](#)

Microsoft Windows Server 2016 Base - ami-0a792a70

Free tier eligible Microsoft Windows 2016 Datacenter edition. [English]
Root Device Type: ebs Virtualization type: hvm

If you plan to use this AMI for an application that benefits from Microsoft License Mobility, fill out the [License Mobility Form](#). [Don't show me this again](#)

Instance Type [Edit instance type](#)

Instance Type	ECUs	vCPUs	Memory (GiB)	Instance Storage (GB)	EBS-Optimized Available	Network Performance
t2.micro	Variable	1	1	EBS only	-	Low to Moderate

Security Groups [Edit security groups](#)

Security group name NVG_Public_Sec-Group
Description NVG_Public_Sec-Group

Type	Protocol	Port Range	Source	Description
RDP	TCP	3389	0.0.0.0/0	

Instance Details [Edit instance details](#)

[Cancel](#) [Previous](#) [Launch](#)

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Select an existing key pair or create a new key pair.

Select an existing key pair or create a new key pair ×

A key pair consists of a **public key** that AWS stores, and a **private key file** that you store. Together, they allow you to connect to your instance securely. For Windows AMIs, the private key file is required to obtain the password used to log into your instance. For Linux AMIs, the private key file allows you to securely SSH into your instance.

Note: The selected key pair will be added to the set of keys authorized for this instance. Learn more about [removing existing key pairs from a public AMI](#).

Choose an existing key pair ▼

Select a key pair

siva_nvg ▼

☒ I acknowledge that I have access to the selected private key file (siva_nvg.pem), and that without this file, I won't be able to log into my instance.

Cancel

Launch Instances

Choose an existing key pair and select the key pair.

Then click “Launch instance”.