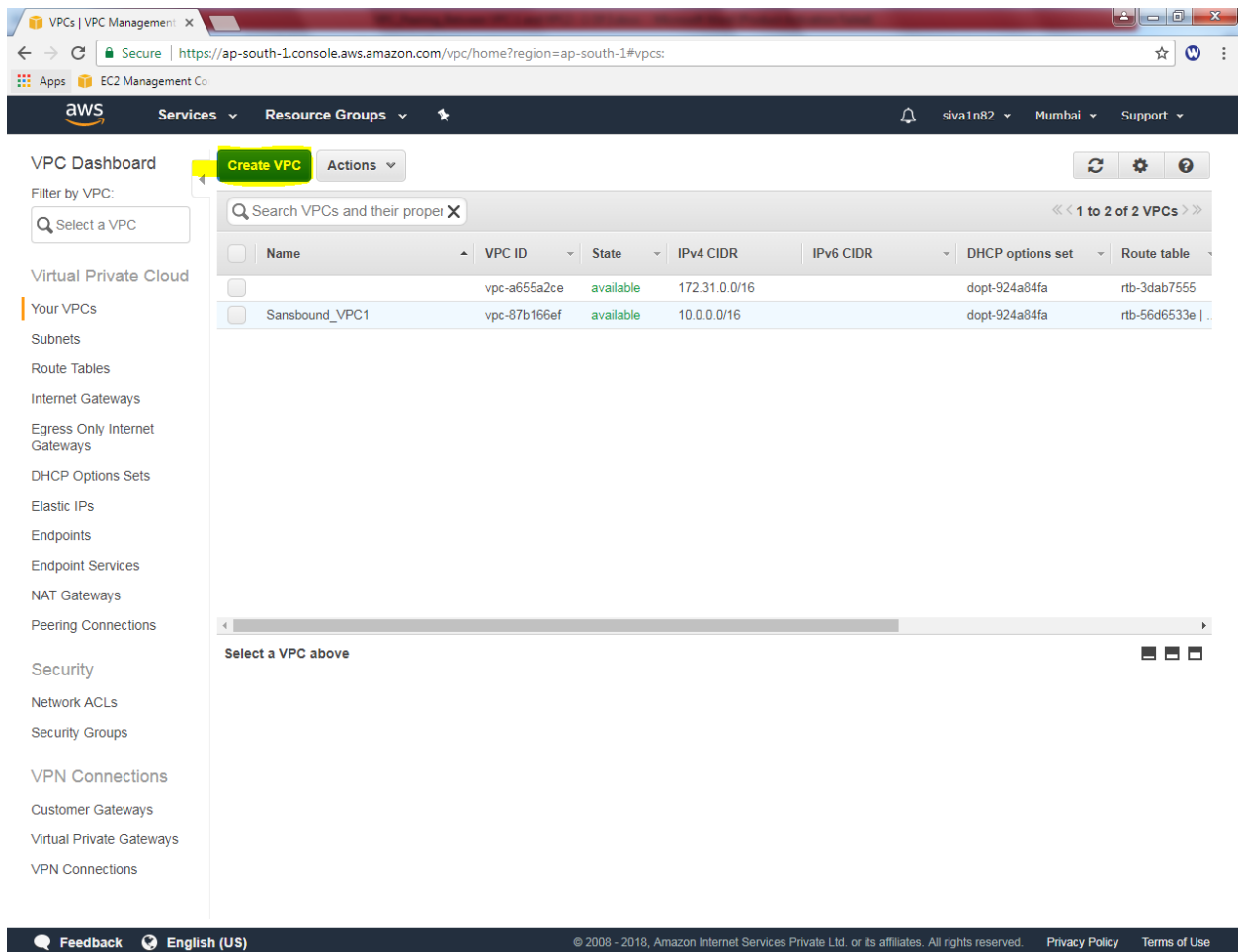


Lab 13

Configure VPC Peering Between two VPC's – 2 of 3

We need to create VPC2 in Mumbai region,

Click “create VPC”.



VPCs | VPC Management

Secure | <https://ap-south-1.console.aws.amazon.com/vpc/home?region=ap-south-1#vpcs:>

Apps EC2 Management Co

aws Services Resource Groups

siva1n82 Mumbai Support

VPC Dashboard

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 VPC Actions

Search VPCs and their proper X

<< 1 to 2 of 2 VPCs >>

<input type="checkbox"/>	Name	VPC ID	State	IPv4 CIDR	IPv6 CIDR	DHCP options set	Route table
<input type="checkbox"/>		vpc-a655a2ce	available	172.31.0.0/16		dopt-924a84fa	rtb-3dab7555
<input type="checkbox"/>	Sansbound_VPC1	vpc-87b166ef	available	10.0.0.0/16		dopt-924a84fa	rtb-56d6533e ..

Select a VPC above

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While creating VPC, name tag as “Sansbound_VPC2”.

IPv4 CIDR block as 192.168.0.0/16 subnet

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](#)

click “Yes, create”.

Then we need to create subnet for the Sansbound_VPC2.

In VPC Dashboard, click Subnet, then click “create subnet”.

While creating subnet,

Name tag as “Sansbound_VPC2_Public_Subnet”.

VPC as Sansbound_VPC2.

Availability Zone – 1B (Optional)

IPv4 CIDR Block – 192.168.2.0/24 subnet.

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
	192.168.0.0/16	associated	

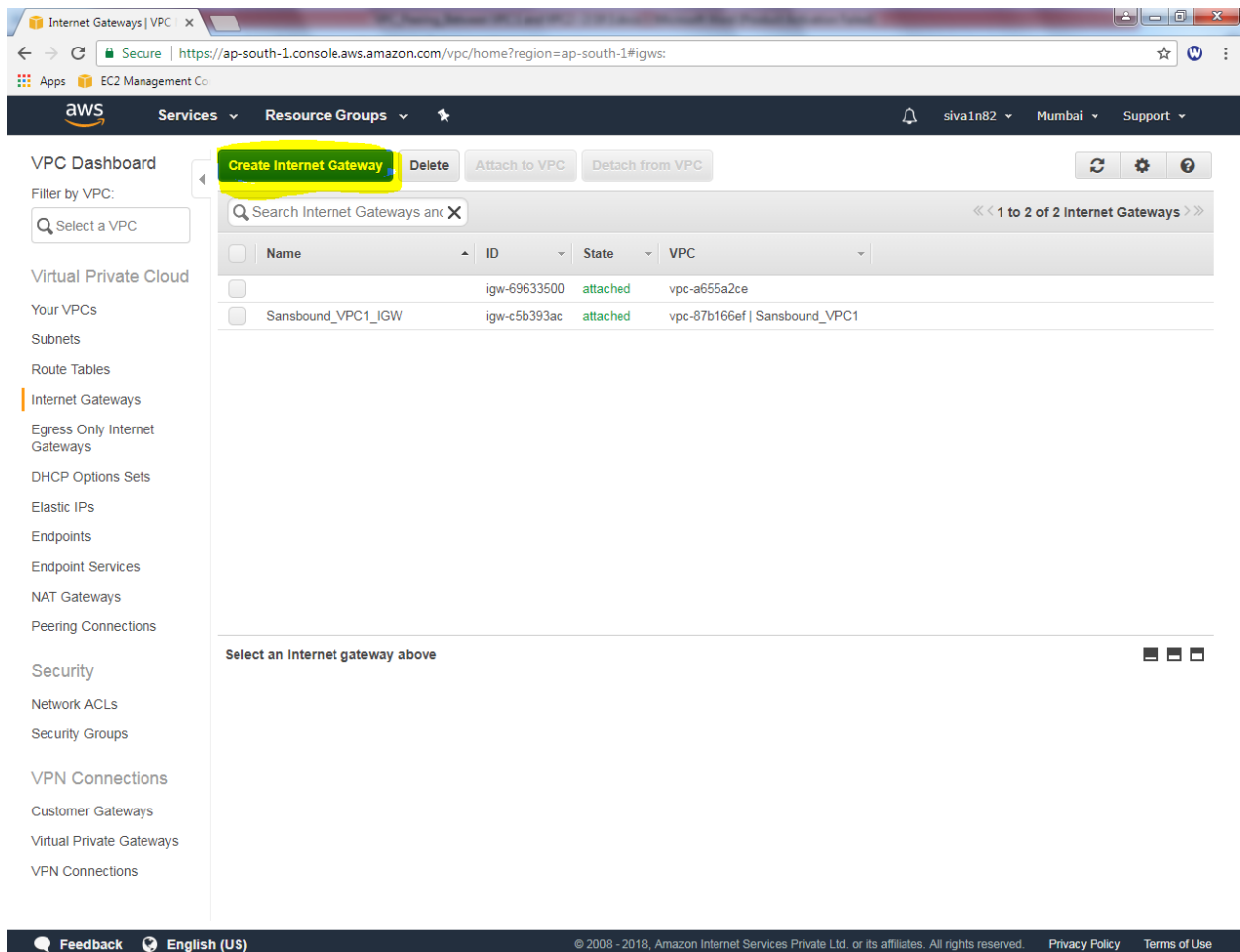
Availability Zone

IPv4 CIDR block

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

Click “Yes, create”.

Then we need to create an internet gateway, click “create Internet Gateway”.



The screenshot displays the AWS Management Console interface for the 'Internet Gateways' section. The 'Create Internet Gateway' button is highlighted in yellow. The page shows a table with two internet gateways:

Name	ID	State	VPC
	igw-69633500	attached	vpc-a655a2ce
Sansbound_VPC1_IGW	igw-c5b393ac	attached	vpc-87b166ef Sansbound_VPC1

The page also includes a sidebar with navigation links for various AWS services, a search bar, and a footer with feedback and language options.

While creating internet gateway Name tag as “Sansbound_VPC2_IGW”.

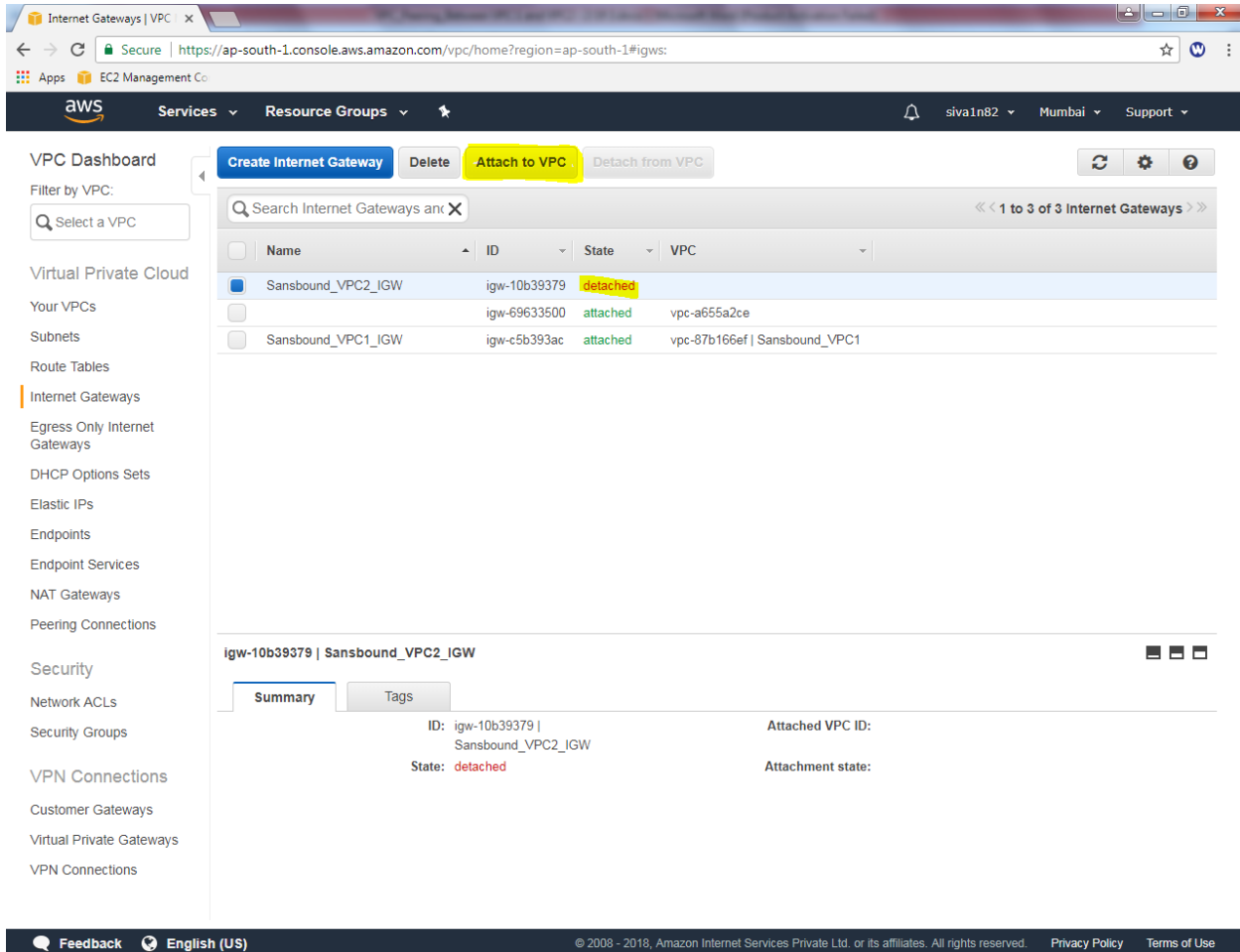
Create Internet Gateway ✕

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

Name tag i

Cancel **Yes, Create**

It shows, IGW in detached state, we need to attach VPC.



Name	ID	State	VPC
Sansbound_VPC2_IGW	igw-10b39379	detached	
Sansbound_VPC2_IGW	igw-69633500	attached	vpc-a655a2ce
Sansbound_VPC1_IGW	igw-c5b393ac	attached	vpc-87b166ef Sansbound_VPC1

igw-10b39379 | Sansbound_VPC2_IGW

Summary | Tags

ID: igw-10b39379 | Sansbound_VPC2_IGW
State: **detached**

Attached VPC ID:
Attachment state:

Attach to VPC

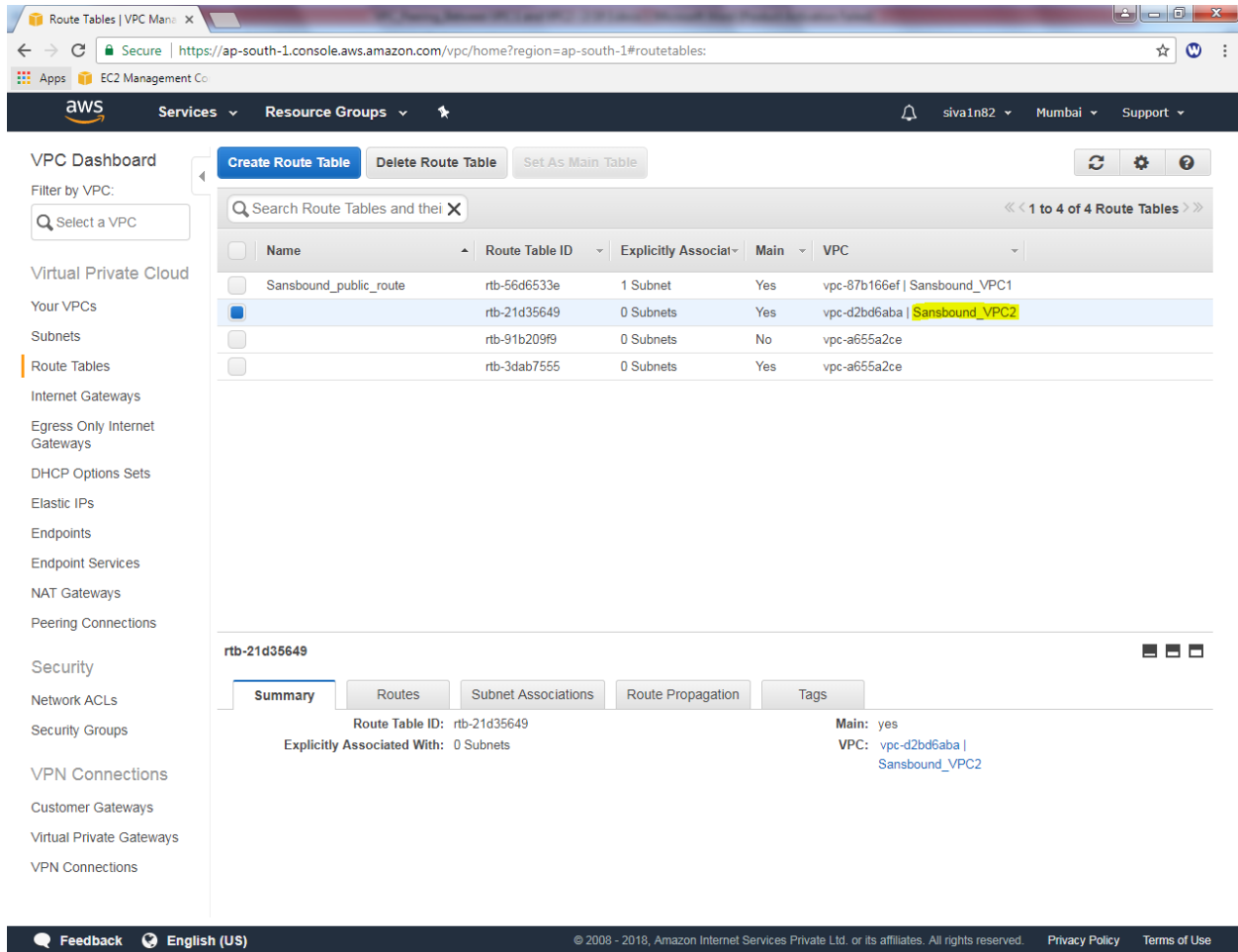
Attach an Internet gateway to a VPC to enable communication with the Internet.

VPC vpc-d2bd6aba | Sansbound_VPC2

Cancel Yes, Attach

Click “Yes, Attach”.

Rename the Sansbound_VPC1 route table as sansbound_VPC2_public_route.



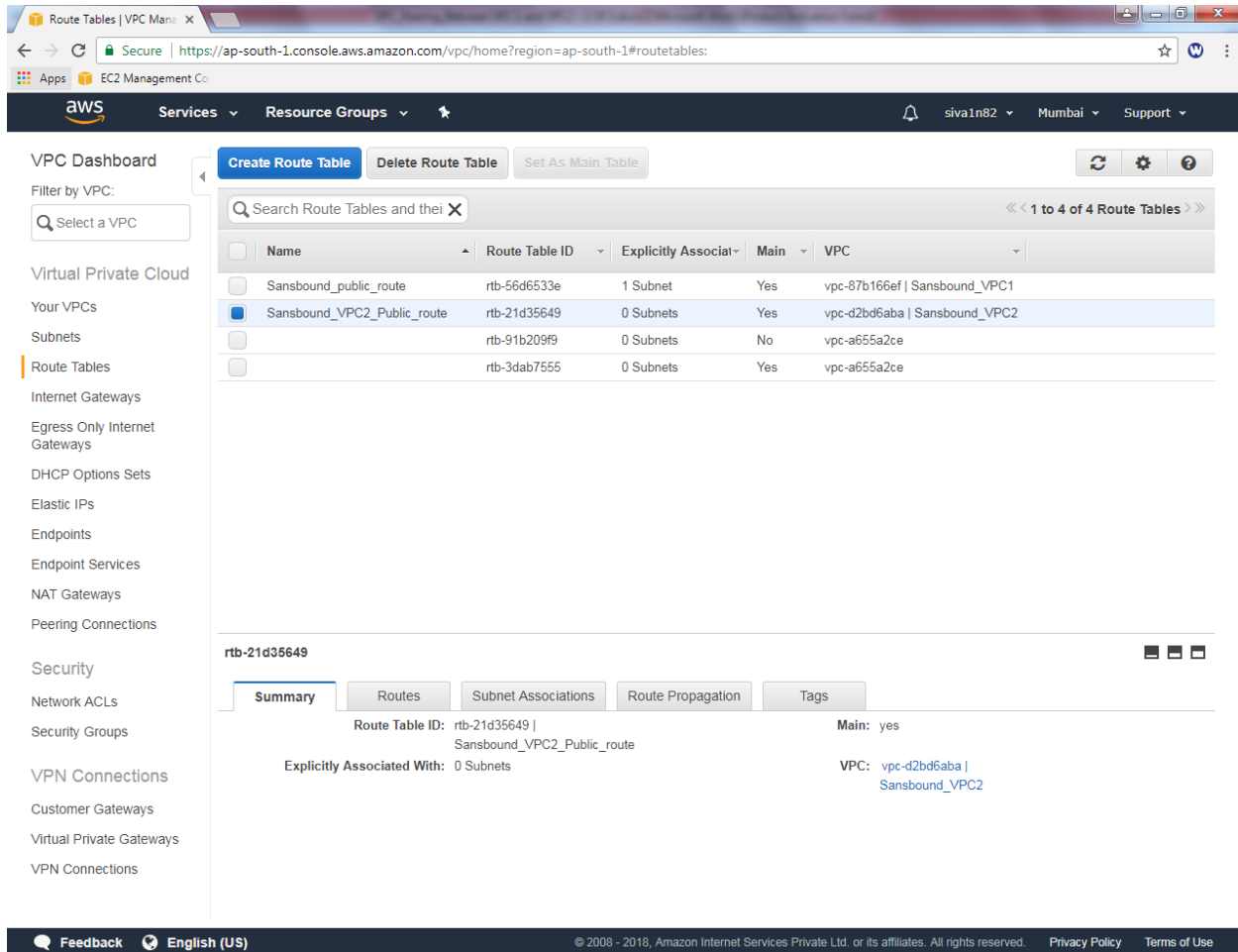
The screenshot shows the AWS Management Console interface for the VPC Dashboard. The left sidebar contains navigation links for various AWS services. The main content area displays a list of route tables. The route table 'Sansbound_VPC2' is selected, and its details are shown in the 'Summary' tab.

Route Tables List:

Name	Route Table ID	Explicitly Associat	Main	VPC
Sansbound_public_route	rtb-56d6533e	1 Subnet	Yes	vpc-87b166ef Sansbound_VPC1
Sansbound_VPC2	rtb-21d35649	0 Subnets	Yes	vpc-d2bd6aba Sansbound_VPC2
	rtb-91b209f9	0 Subnets	No	vpc-a655a2ce
	rtb-3dab7555	0 Subnets	Yes	vpc-a655a2ce

Route Table Details (rtb-21d35649):

- Route Table ID: rtb-21d35649
- Main: yes
- Explicitly Associated With: 0 Subnets
- VPC: vpc-d2bd6aba | Sansbound_VPC2



The screenshot displays the AWS Management Console interface for the VPC Dashboard. The left-hand navigation pane lists various VPC resources, with 'Route Tables' currently selected. The main content area shows a table of route tables. The table has columns for Name, Route Table ID, Explicitly Associated, Main, and VPC. The selected route table, 'Sansbound_VPC2_Public_route' (ID: rtb-21d35649), is highlighted. Below the table, the 'Summary' tab is active, providing details about the route table's configuration.

Name	Route Table ID	Explicitly Associated	Main	VPC
Sansbound_public_route	rtb-56d6533e	1 Subnet	Yes	vpc-87b166ef Sansbound_VPC1
Sansbound_VPC2_Public_route	rtb-21d35649	0 Subnets	Yes	vpc-d2bd6aba Sansbound_VPC2
	rtb-91b209f9	0 Subnets	No	vpc-a655a2ce
	rtb-3dab7555	0 Subnets	Yes	vpc-a655a2ce

rtb-21d35649

Summary | Routes | Subnet Associations | Route Propagation | Tags

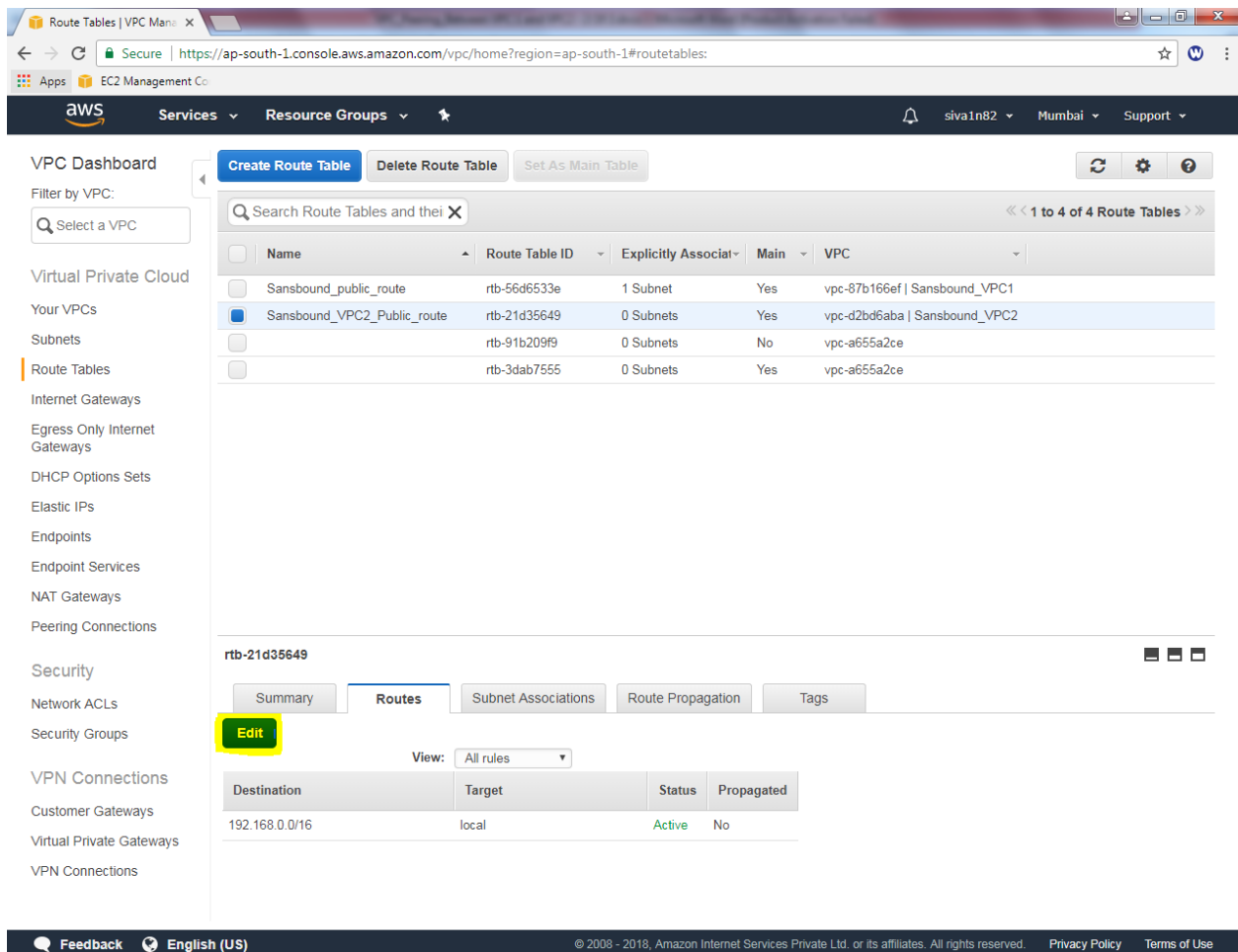
Route Table ID: rtb-21d35649 | Sansbound_VPC2_Public_route

Main: yes

Explicitly Associated With: 0 Subnets

VPC: vpc-d2bd6aba | Sansbound_VPC2

InSanbound_VPC2_Public_route table, select route tab then click “Edit” option.

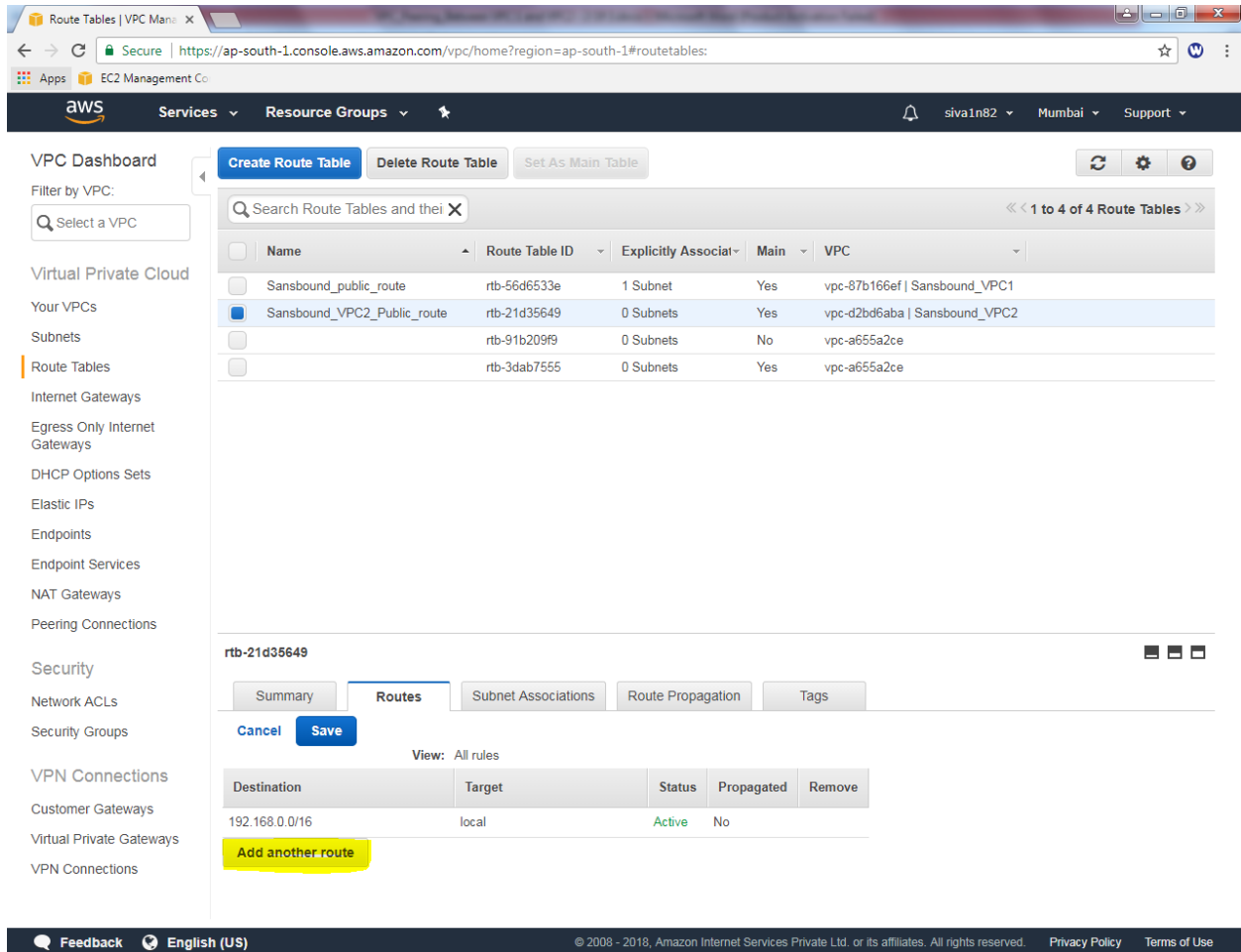


The screenshot displays the AWS Management Console interface for VPC Route Tables. The left-hand navigation pane shows the 'Route Tables' link under the 'Virtual Private Cloud' section, which is highlighted. The main content area shows a list of route tables. The table 'Sansbound_VPC2_Public_route' (ID: rtb-21d35649) is selected. Below the list, the 'Routes' tab is active for this route table, showing a single route with destination 192.168.0.0/16 and target 'local'. The 'Edit' button is highlighted in yellow.

Name	Route Table ID	Explicitly Associat	Main	VPC
Sansbound_public_route	rtb-56d6533e	1 Subnet	Yes	vpc-87b166ef Sansbound_VPC1
Sansbound_VPC2_Public_route	rtb-21d35649	0 Subnets	Yes	vpc-d2bd6aba Sansbound_VPC2
	rtb-91b209f9	0 Subnets	No	vpc-a655a2ce
	rtb-3dab7555	0 Subnets	Yes	vpc-a655a2ce

Destination	Target	Status	Propagated
192.168.0.0/16	local	Active	No

Click “Add another route” button.



The screenshot shows the AWS Management Console interface for the VPC Dashboard. The left sidebar contains navigation links for various AWS services. The main content area displays a list of route tables. The route table 'Sansbound_VPC2_Public_route' (ID: rtb-21d35649) is selected. Below the list, the 'Routes' tab is active, showing a table with one route: Destination 192.168.0.0/16, Target local, Status Active, and Propagated No. The 'Add another route' button is highlighted in yellow.

VPC Dashboard

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

Route Tables

Search Route Tables and their VPCs

Name	Route Table ID	Explicitly Associated Subnets	Main	VPC
Sansbound_public_route	rtb-56d6533e	1 Subnet	Yes	vpc-87b166ef Sansbound_VPC1
Sansbound_VPC2_Public_route	rtb-21d35649	0 Subnets	Yes	vpc-d2bd6aba Sansbound_VPC2
	rtb-91b209f9	0 Subnets	No	vpc-a655a2ce
	rtb-3dab7555	0 Subnets	Yes	vpc-a655a2ce

rtb-21d35649

Summary Routes Subnet Associations Route Propagation Tags

Cancel Save

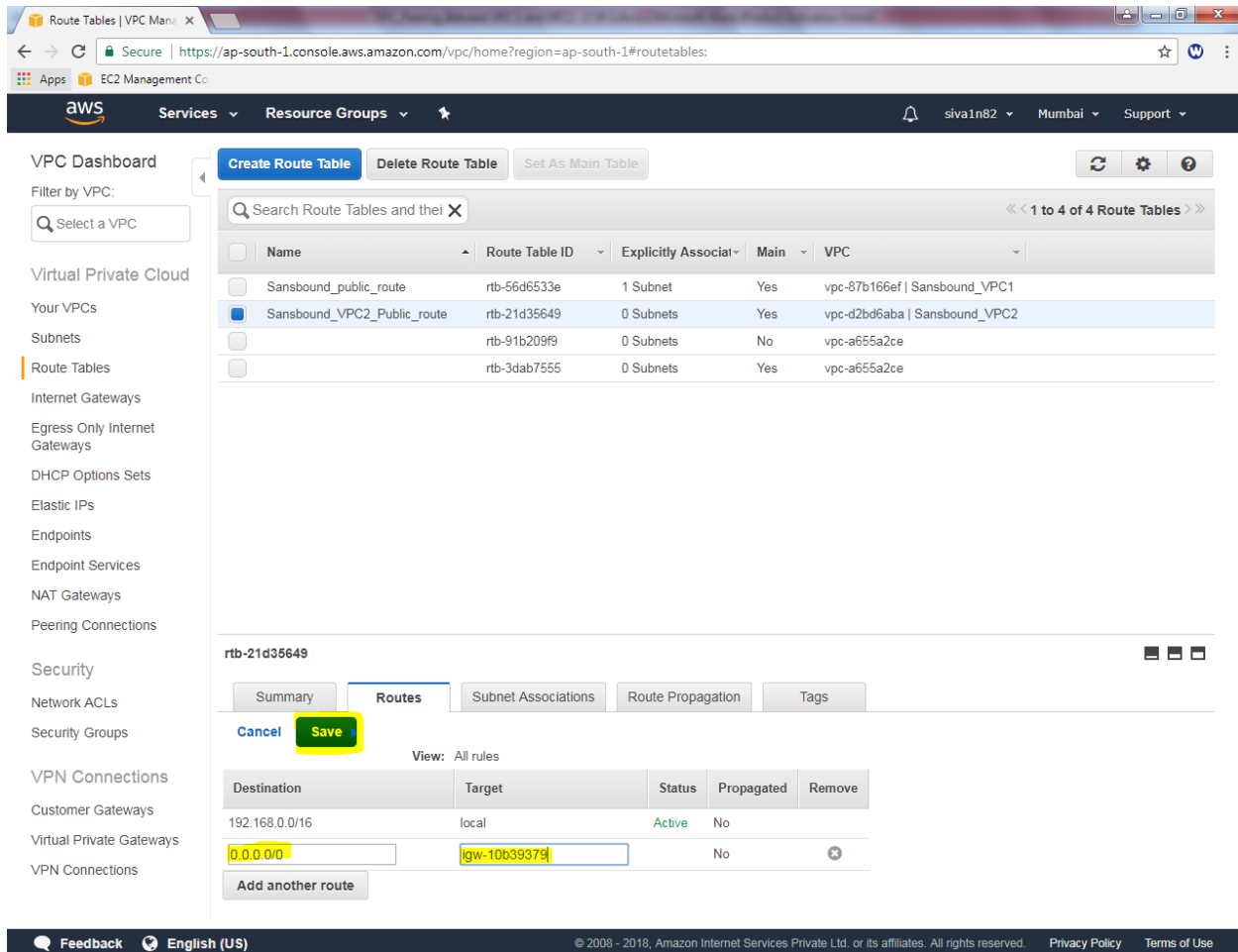
View: All rules

Destination	Target	Status	Propagated	Remove
192.168.0.0/16	local	Active	No	

Add another route

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



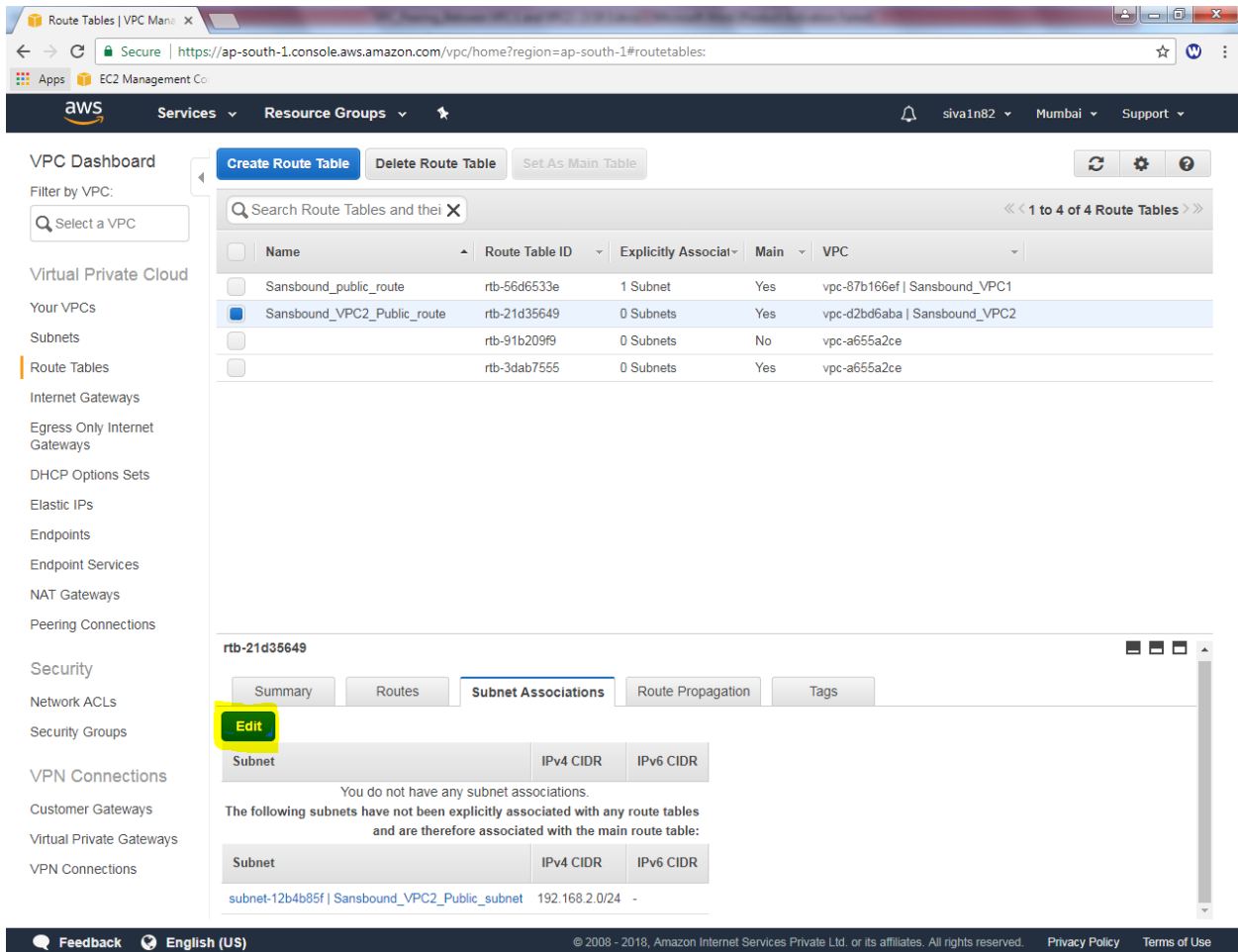
The screenshot shows the AWS Management Console interface. On the left is the 'VPC Dashboard' sidebar with various navigation links. The main content area displays a list of route tables. The 'Sansbound_VPC2_Public_route' (rtb-21d35649) is selected. Below the list, the 'Routes' tab is active, showing a table of routes. A new route is being added with destination '0.0.0.0/0' and target 'igw-10b39379f'. The 'Save' button is highlighted in yellow.

Name	Route Table ID	Explicitly Associat	Main	VPC
Sansbound_public_route	rtb-56d6533e	1 Subnet	Yes	vpc-87b166ef Sansbound_VPC1
Sansbound_VPC2_Public_route	rtb-21d35649	0 Subnets	Yes	vpc-d2bd6aba Sansbound_VPC2
	rtb-91b209f9	0 Subnets	No	vpc-a655a2ce
	rtb-3dab7555	0 Subnets	Yes	vpc-a655a2ce

Destination	Target	Status	Propagated	Remove
192.168.0.0/16	local	Active	No	
0.0.0.0/0	igw-10b39379f	No	No	

Then click "save".

Then we need to associate the subnet. Click “Subnet associations” tab, then click “Edit” option.



The screenshot shows the AWS Management Console interface for VPC Route Tables. The left sidebar lists various VPC resources, with 'Route Tables' selected. The main content area displays a list of route tables. The table below shows the details of the selected route table, 'Sansbound_VPC2_Public_route'.

Name	Route Table ID	Explicitly Associat	Main	VPC
Sansbound_public_route	rtb-56d6533e	1 Subnet	Yes	vpc-87b166ef Sansbound_VPC1
Sansbound_VPC2_Public_route	rtb-21d35649	0 Subnets	Yes	vpc-d2bd6aba Sansbound_VPC2
	rtb-91b209f9	0 Subnets	No	vpc-a655a2ce
	rtb-3dab7555	0 Subnets	Yes	vpc-a655a2ce

The details for the selected route table 'rtb-21d35649' are shown below, with the 'Subnet Associations' tab active. The 'Edit' button is highlighted in yellow.

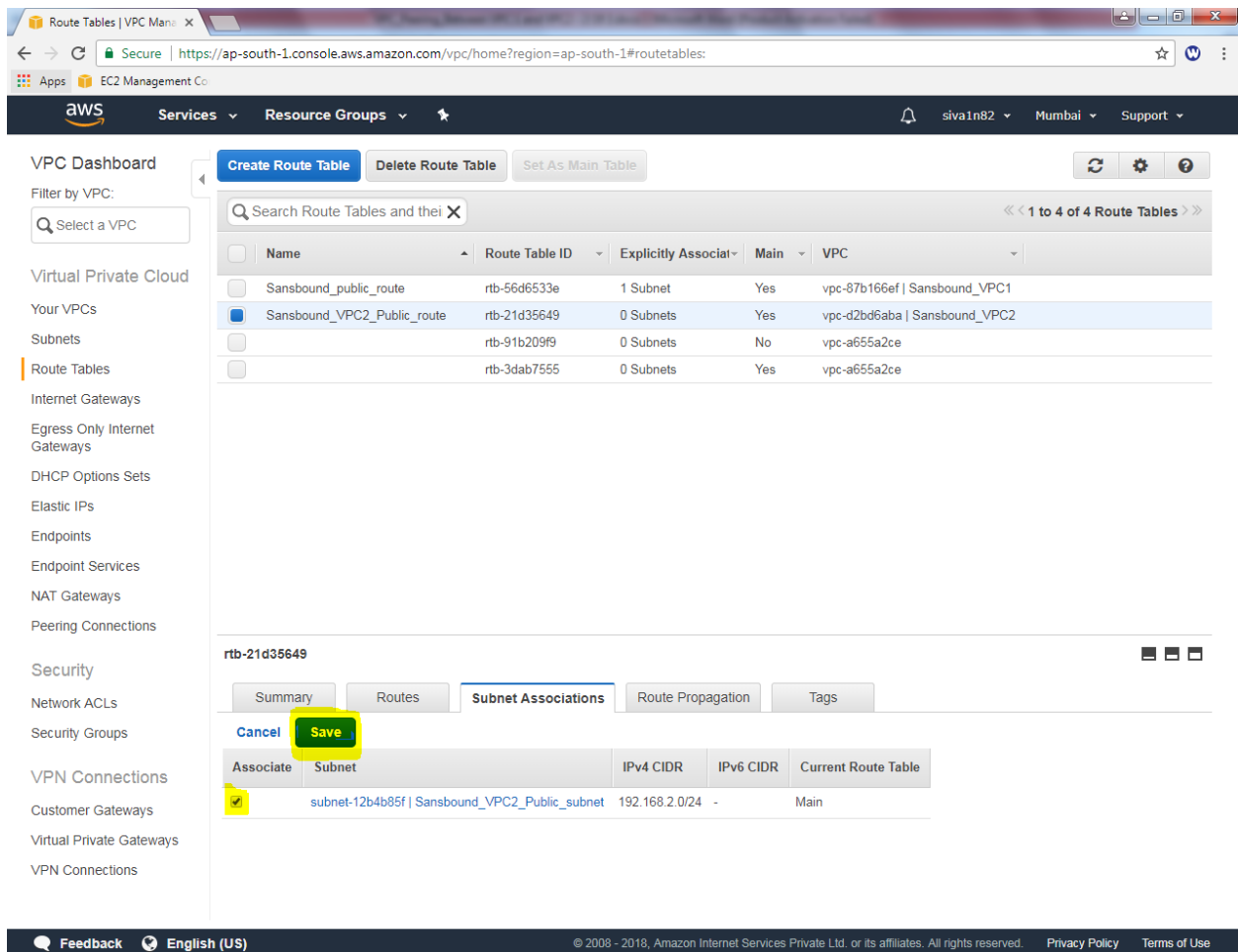
rtb-21d35649

Summary Routes **Subnet Associations** Route Propagation Tags

Edit

Subnet	IPv4 CIDR	IPv6 CIDR
You do not have any subnet associations.		
The following subnets have not been explicitly associated with any route tables and are therefore associated with the main route table:		
subnet-12b4b85f Sansbound_VPC2_Public_subnet	192.168.2.0/24	-

Select option check box option to select “sansbound_VPC2_Public_subnet”.



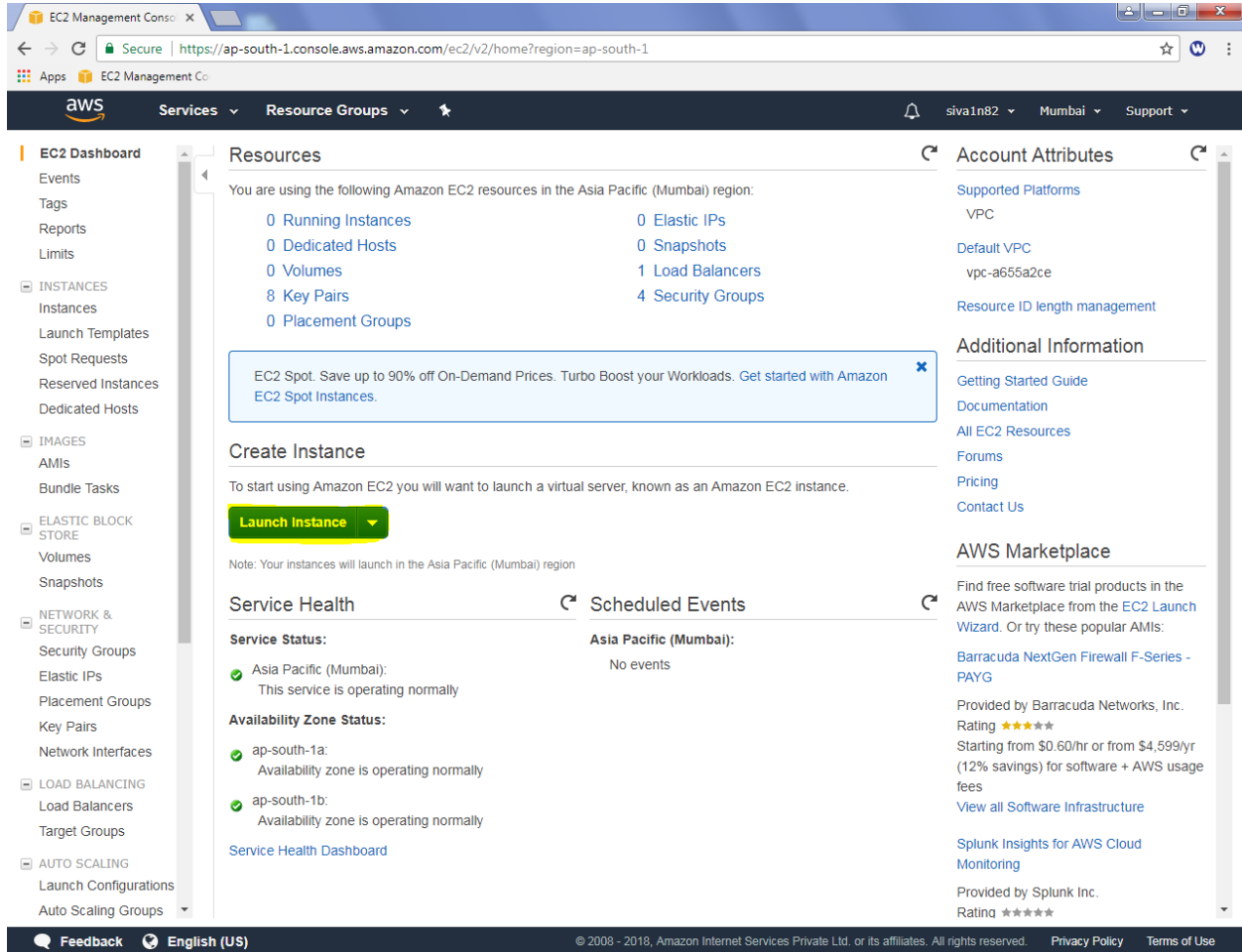
The screenshot shows the AWS Management Console interface for the VPC Dashboard. The left sidebar contains a navigation menu with categories like Virtual Private Cloud, Security, and VPN Connections. The main content area displays a list of route tables. The route table 'Sansbound_VPC2_Public_route' (ID: rtb-21d35649) is selected. Below the list, the 'Subnet Associations' tab is active, showing a table with one association: 'subnet-12b4b85f | Sansbound_VPC2_Public_subnet' with an 'Associate' checkbox checked. A yellow box highlights the 'Save' button in the top left of the association table.

Name	Route Table ID	Explicitly Associat	Main	VPC
Sansbound_public_route	rtb-56d6533e	1 Subnet	Yes	vpc-87b166ef Sansbound_VPC1
Sansbound_VPC2_Public_route	rtb-21d35649	0 Subnets	Yes	vpc-d2bd6aba Sansbound_VPC2
	rtb-91b209f9	0 Subnets	No	vpc-a655a2ce
	rtb-3dab7555	0 Subnets	Yes	vpc-a655a2ce

Associate	Subnet	IPv4 CIDR	IPv6 CIDR	Current Route Table
<input checked="" type="checkbox"/>	subnet-12b4b85f Sansbound_VPC2_Public_subnet	192.168.2.0/24	-	Main

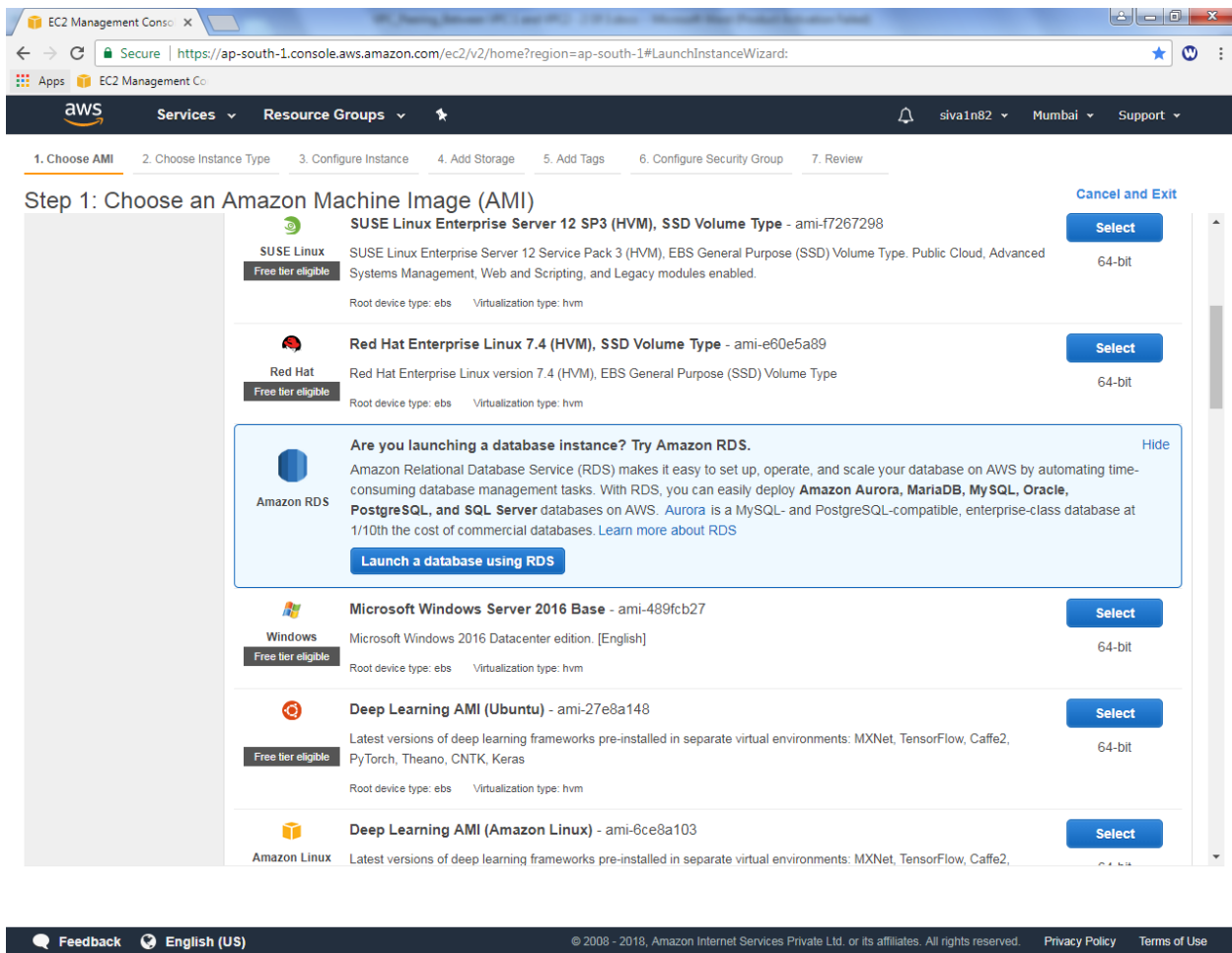
Then click “Save”.

Then we need to create an instance for VPC2. Click “Launch Instance”.



The screenshot shows the AWS Management Console for the EC2 service in the Asia Pacific (Mumbai) region. The left sidebar contains navigation links for EC2 Dashboard, INSTANCES, IMAGES, ELASTIC BLOCK STORE, NETWORK & SECURITY, LOAD BALANCING, and AUTO SCALING. The main content area is divided into three columns. The first column, titled 'Resources', lists various EC2 resources: 0 Running Instances, 0 Elastic IPs, 0 Dedicated Hosts, 0 Snapshots, 0 Volumes, 1 Load Balancers, 8 Key Pairs, 4 Security Groups, and 0 Placement Groups. A blue box highlights the 'Launch Instance' button. The second column, titled 'Create Instance', provides instructions on how to launch an Amazon EC2 instance and includes a 'Launch Instance' button. The third column, titled 'Account Attributes', displays account information such as 'Supported Platforms', 'Default VPC', and 'Resource ID length management'. Below this, there is a section for 'Additional Information' with links to 'Getting Started Guide', 'Documentation', 'All EC2 Resources', 'Forums', 'Pricing', and 'Contact Us'. At the bottom, there is a section for 'AWS Marketplace' featuring 'Barracuda NextGen Firewall F-Series - PAYG' and 'Splunk Insights for AWS Cloud Monitoring'. The footer of the console shows 'Feedback', 'English (US)', and copyright information for Amazon Internet Services Private Ltd.







Select “Microsoft Windows server 2016 Base “option.



The screenshot shows the AWS Management Console interface for the 'Launch Instance Wizard'. The browser address bar indicates the URL: <https://ap-south-1.console.aws.amazon.com/ec2/v2/home?region=ap-south-1#LaunchInstanceWizard>. The console header shows the user is logged in as 'siva1n82' in the 'Mumbai' region. The wizard progress bar indicates the current step is '1. Choose AMI'.

Step 1: Choose an Amazon Machine Image (AMI)

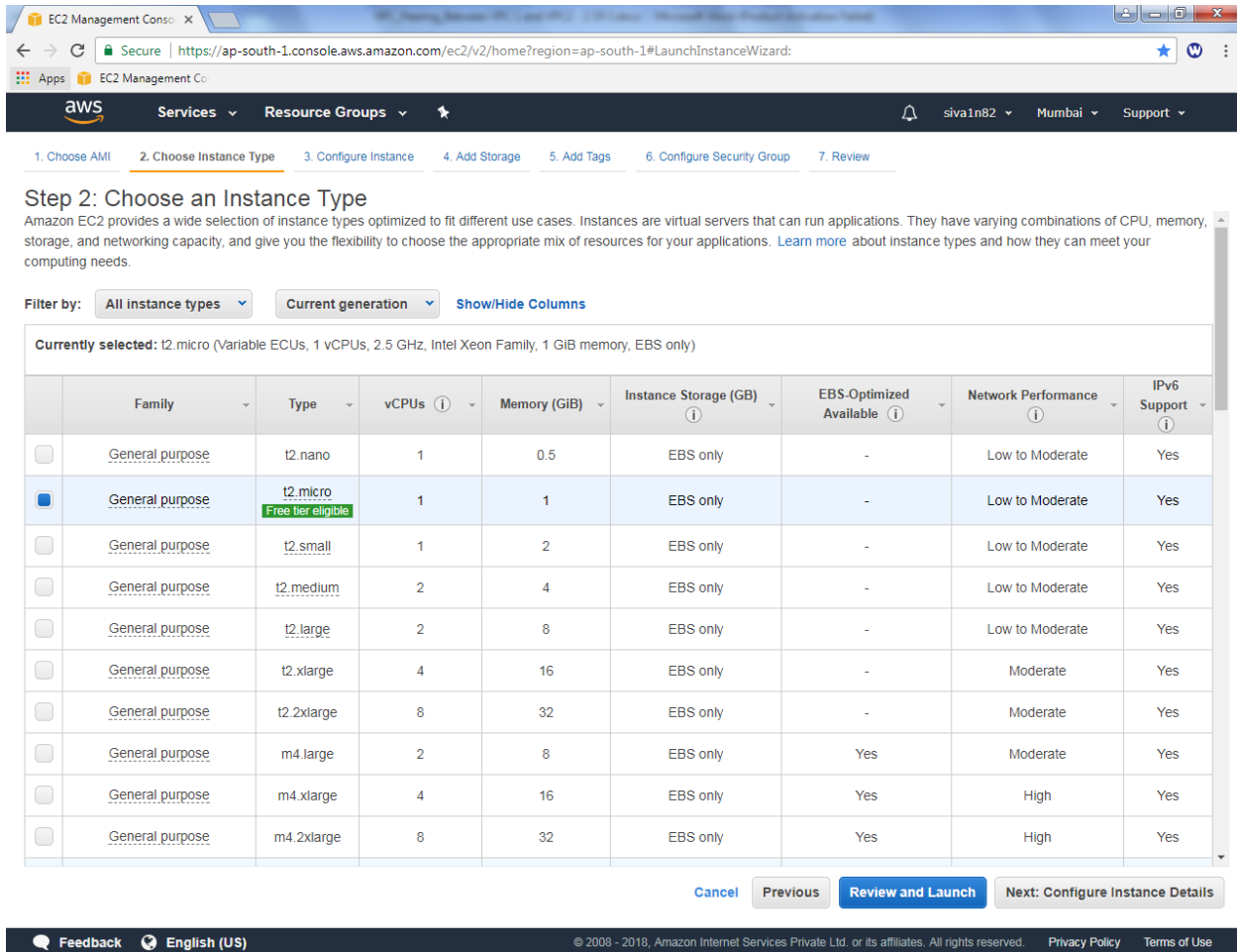
Cancel and Exit

AMI Logo	AMI Name	AMI ID	Architecture
 SUSE Linux Free tier eligible	SUSE Linux Enterprise Server 12 SP3 (HVM), SSD Volume Type	ami-f7267298	64-bit
 Red Hat Free tier eligible	Red Hat Enterprise Linux 7.4 (HVM), SSD Volume Type	ami-e60e5a89	64-bit
 Amazon RDS	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. <i>Aurora</i> is a MySQL- and PostgreSQL-compatible, enterprise-class database at 1/10th the cost of commercial databases. Learn more about RDS		
 Windows Free tier eligible	Microsoft Windows Server 2016 Base	ami-489fcb27	64-bit
 Deep Learning AMI (Ubuntu) Free tier eligible	Deep Learning AMI (Ubuntu)	ami-27e8a148	64-bit
 Amazon Linux	Deep Learning AMI (Amazon Linux)	ami-6ce8a103	64-bit

Each AMI entry includes a 'Select' button and details about the root device type (ebs) and virtualization type (hvm).

At the bottom of the console, there is a footer with 'Feedback', 'English (US)', and copyright information: '© 2008 - 2018, Amazon Internet Services Private Ltd. or its affiliates. All rights reserved. Privacy Policy Terms of Use'.

Select “t2.micro”.



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 vCPUs, 2.5 GHz, Intel Xeon Family, 1 GiB memory, EBS only)

	Family	Type	vCPUs	Memory (GiB)	Instance Storage (GB)	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	m4.large	2	8	EBS only	Yes	Moderate	Yes
<input type="checkbox"/>	General purpose	m4.xlarge	4	16	EBS only	Yes	High	Yes
<input type="checkbox"/>	General purpose	m4.2xlarge	8	32	EBS only	Yes	High	Yes

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

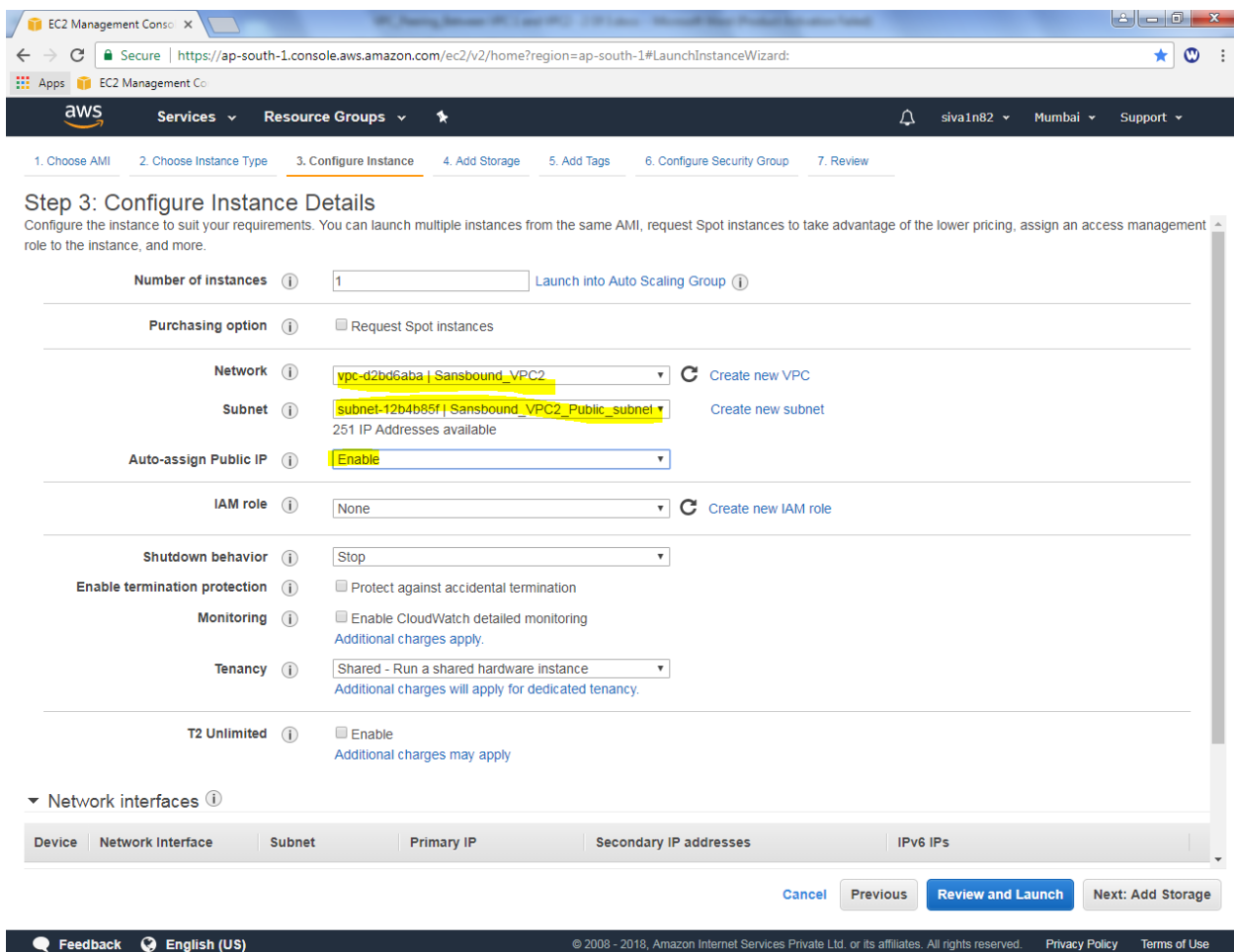
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Click “Next”.

Select network as “Sansbound_VPC2”

Select subnet as Sansbound_VPC2_public_Subnet

Auto-assign Public IP: Enable



EC2 Management Console

Secure | https://ap-south-1.console.aws.amazon.com/ec2/v2/home?region=ap-south-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 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-d2bd6aba | Sansbound_VPC2 [Create new VPC](#)

Subnet subnet-12b4b85f | Sansbound_VPC2_public_subnet [Create new subnet](#)
251 IP Addresses available

Auto-assign Public IP Enable

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.](#)

T2 Unlimited ☐ Enable
[Additional charges may apply](#)

Network interfaces

Device	Network Interface	Subnet	Primary IP	Secondary IP addresses	IPv6 IPs
--------	-------------------	--------	------------	------------------------	----------

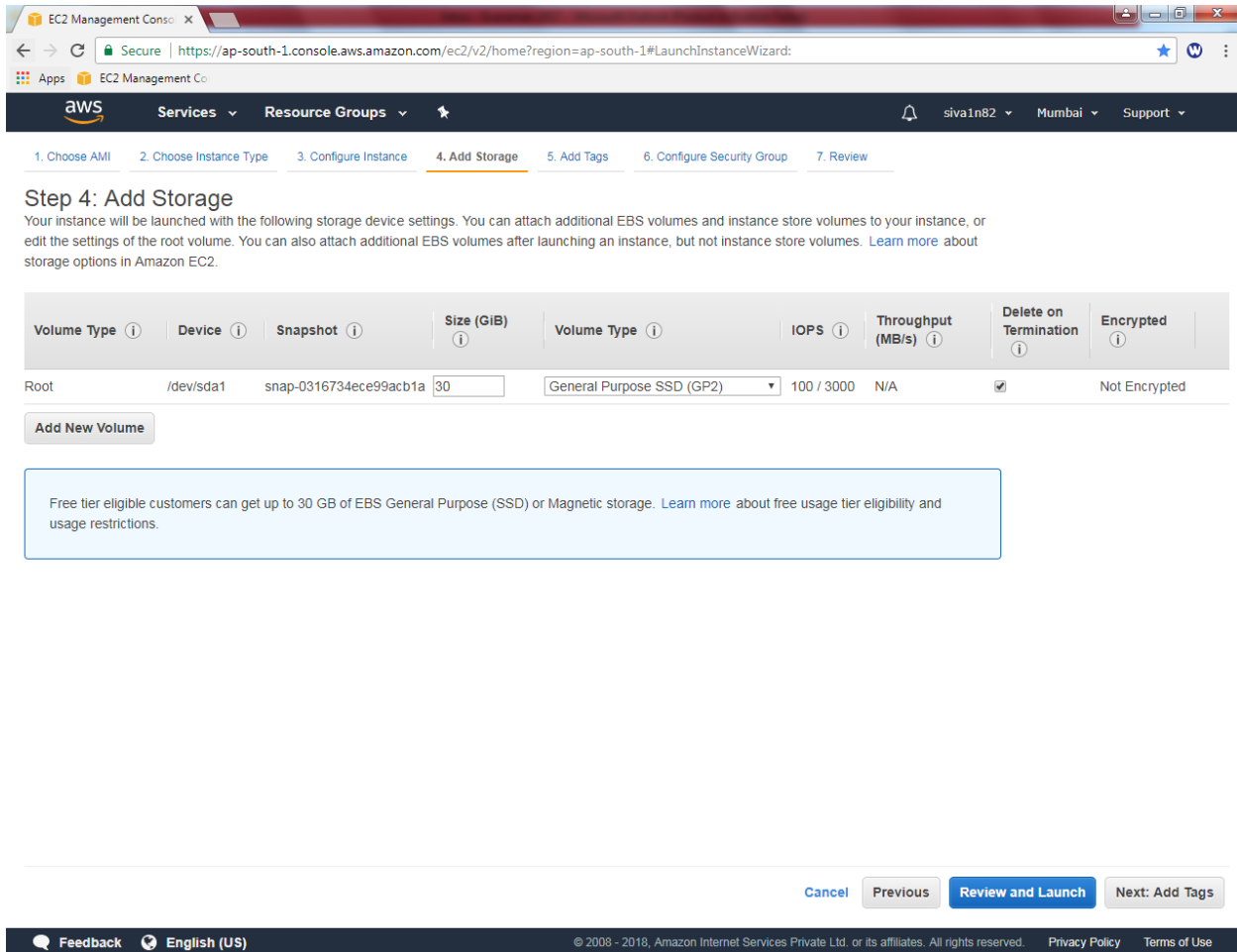
[Cancel](#) [Previous](#) [Review and Launch](#) [Next: Add Storage](#)

[Feedback](#) [English \(US\)](#)

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Click “Next”.

Leave default and click “Next”.



The screenshot shows the AWS Management Console interface for the "Add Storage" step of the EC2 instance launch wizard. The breadcrumb trail at the top indicates the steps: 1. Choose AMI, 2. Choose Instance Type, 3. Configure Instance, 4. Add Storage (current step), 5. Add Tags, 6. Configure Security Group, and 7. Review. The main heading is "Step 4: Add Storage". Below this, a paragraph explains that the instance will be launched with specific storage settings and that additional EBS volumes can be attached. A table lists the storage configuration for the "Root" volume, showing it is a "General Purpose SSD (GP2)" with a size of 30 GiB, 100 IOPS, and 3000 MB/s throughput. The volume is not encrypted. Below the table is an "Add New Volume" button. A light blue box contains a note about the free tier. At the bottom, there are navigation buttons: "Cancel", "Previous", "Review and Launch" (highlighted in blue), and "Next: Add Tags". The footer includes a "Feedback" link, the language "English (US)", and copyright information for Amazon Internet Services Private Ltd.

EC2 Management Console

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

aws 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 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-0316734ece99acb1a	30	General Purpose SSD (GP2)	100 / 3000	N/A	<input checked="" type="checkbox"/>	Not Encrypted

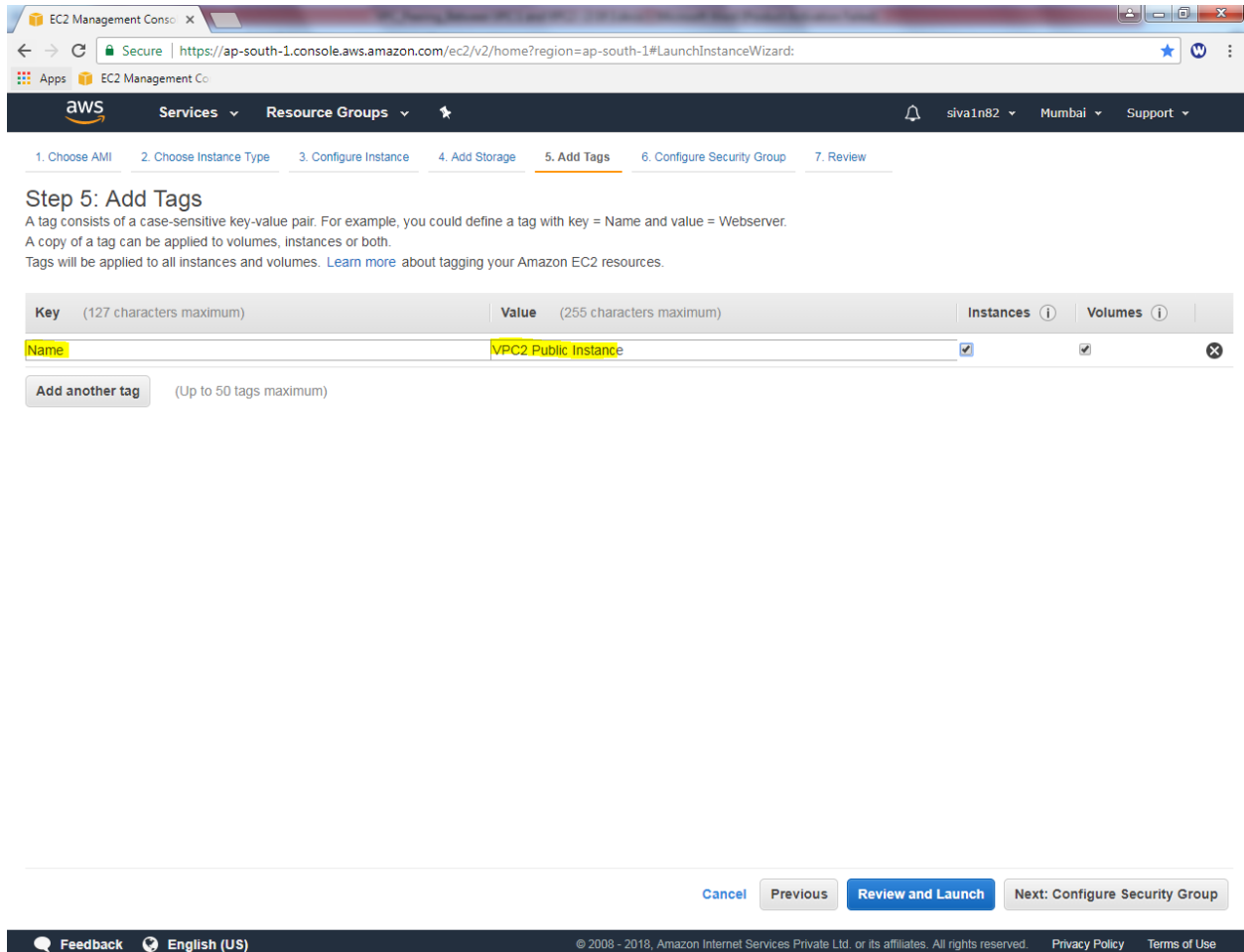
[Add New Volume](#)

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.

[Cancel](#) [Previous](#) [Review and Launch](#) [Next: Add Tags](#)

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Type key as “name” and Value as VPC2 Public Instance.



The screenshot shows the AWS Management Console interface for the 'Launch Instance Wizard'. The browser address bar shows the URL: <https://ap-south-1.console.aws.amazon.com/ec2/v2/home?region=ap-south-1#LaunchInstanceWizard>. The console header includes the AWS logo, navigation tabs (Services, Resource Groups), and user information (siva1n82, Mumbai, Support).

The wizard progress bar shows seven steps: 1. Choose AMI, 2. Choose Instance Type, 3. Configure Instance, 4. Add Storage, 5. Add Tags (active), 6. Configure Security Group, and 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	Value	Instances	Volumes
Name	VPC2 Public Instance	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

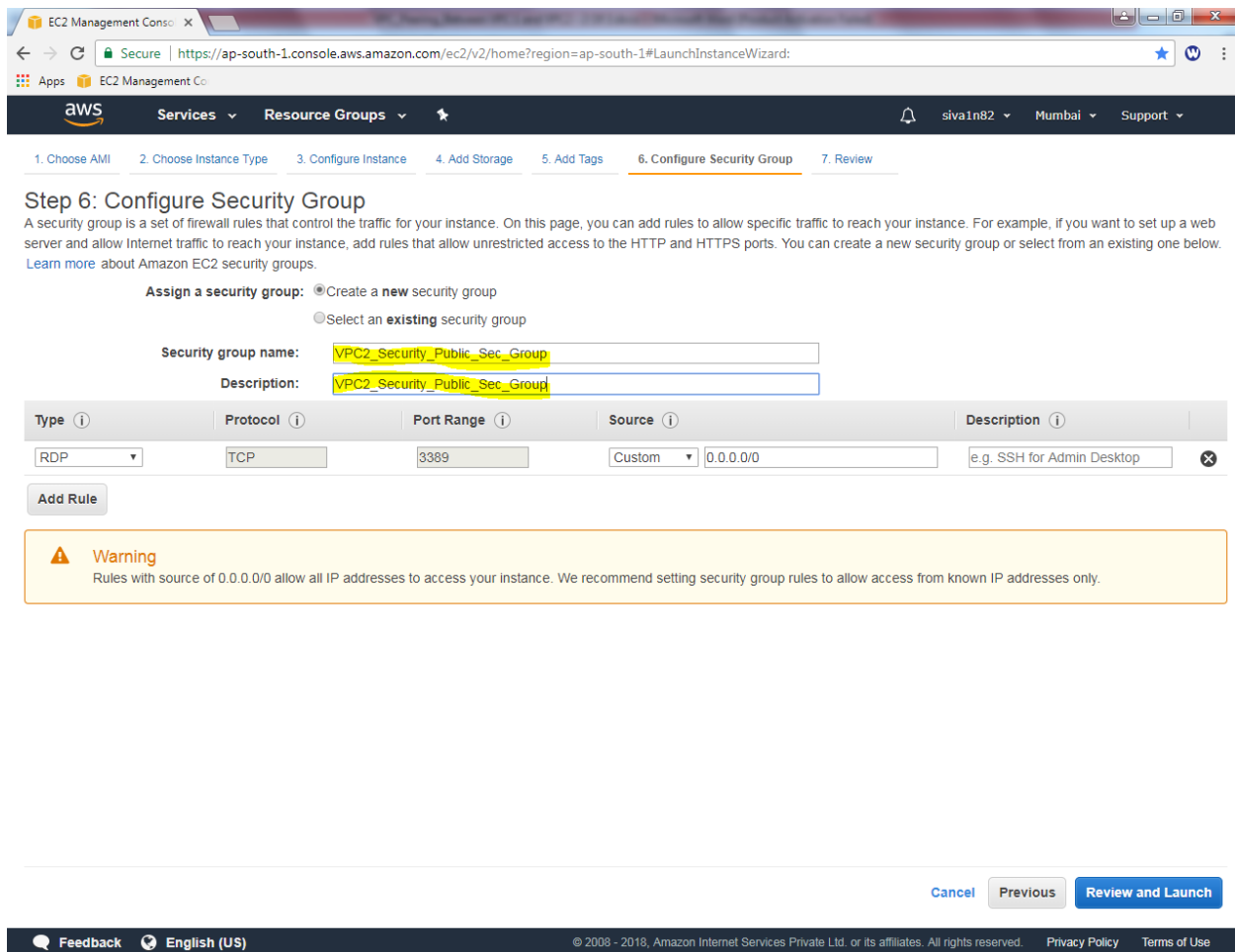
[Add another tag](#) (Up to 50 tags maximum)

At the bottom of the wizard, there are four buttons: [Cancel](#), [Previous](#), [Review and Launch](#) (highlighted in blue), and [Next: Configure Security Group](#).

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Click “Next”.

Create a new security group as “VPC2_Security_Public_Sec_Group”. Allow RDP (3389 Port).



EC2 Management Console

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

Apps EC2 Management Console

aws 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:

Description:

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

Add Rule

Warning

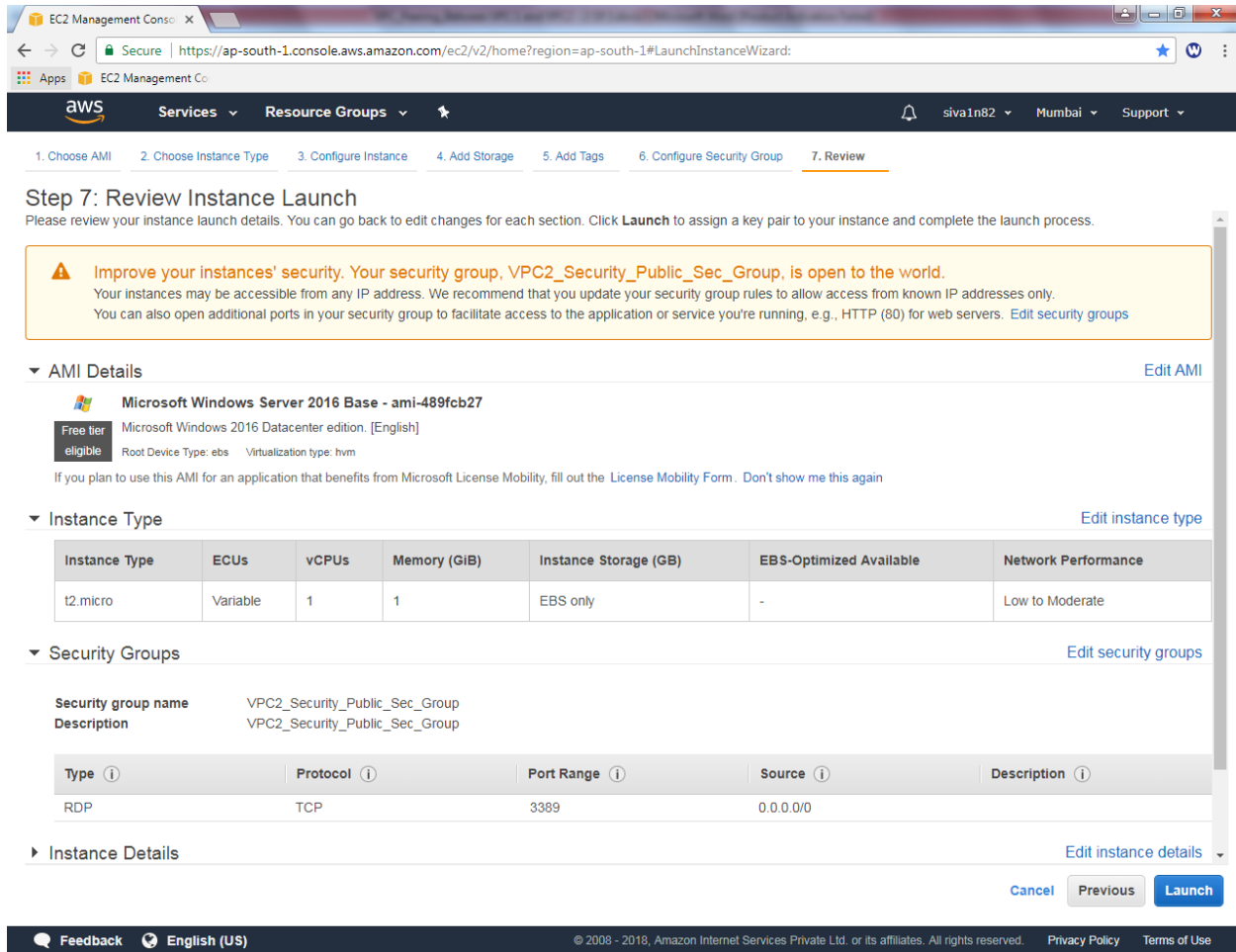
Rules with source of 0.0.0.0/0 allow all IP addresses to access your instance. We recommend setting security group rules to allow access from known IP addresses only.

Cancel Previous **Review and Launch**

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Click “Review and Launch”.

Click “Launch”.



EC2 Management Console

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siva1n82 Mumbai Support

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, VPC2_Security_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-489fcb27

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 VPC2_Security_Public_Sec_Group

Description VPC2_Security_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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