

Lab 13

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

We need to create VPC2 in Mumbai region,

Click “create VPC”.

The screenshot shows the AWS VPC Dashboard in the Mumbai region. The 'Create VPC' button is highlighted in yellow. The dashboard lists two VPCs:

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

Below the table, there is a section titled 'Select a VPC above' with three icons.

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	

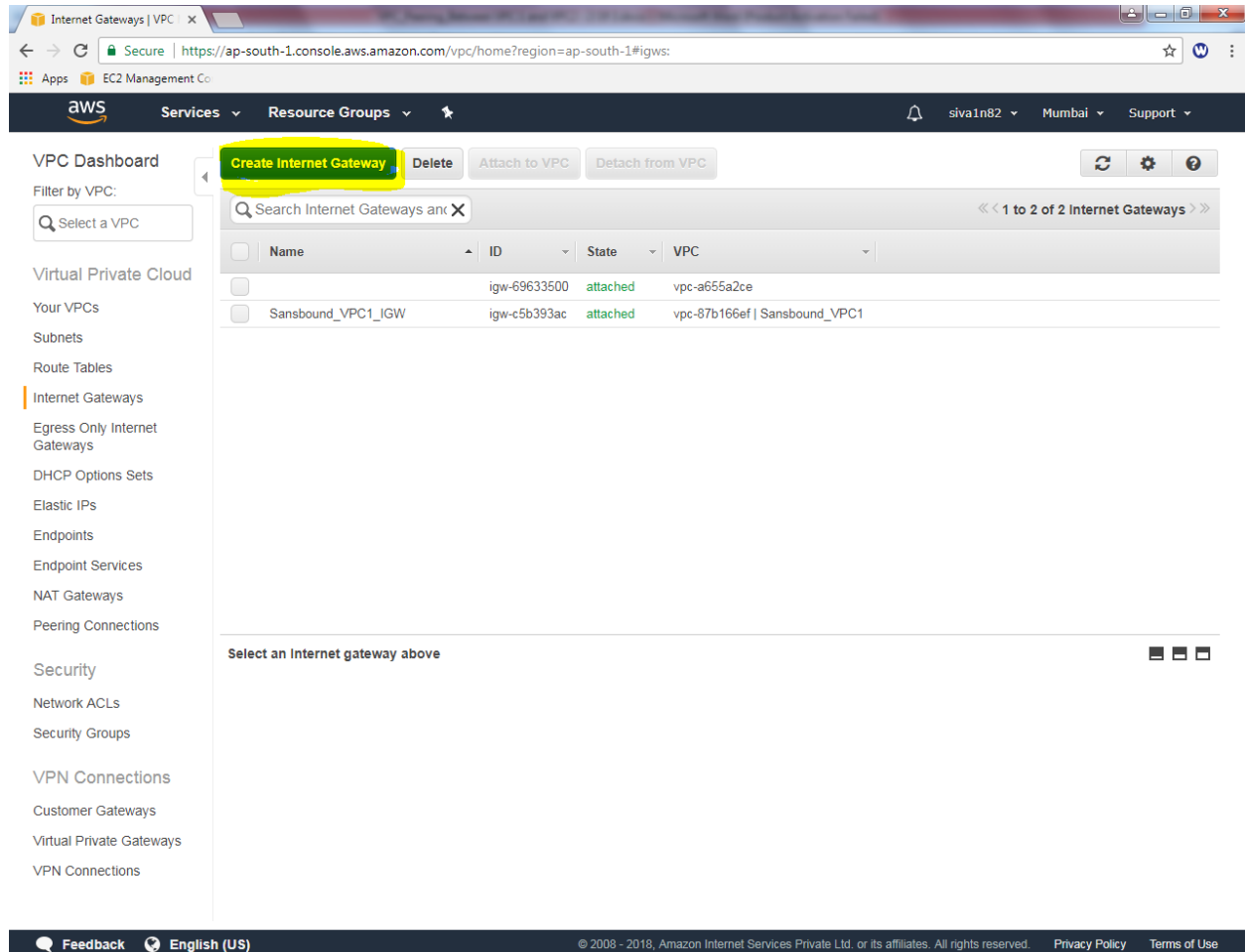
Availability Zone

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 for the 'Internet Gateways' section. The 'Create Internet Gateway' button is highlighted in yellow. The page shows a list of two internet gateways:

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

Below the table, there is a section titled 'Select an Internet gateway above' with three small icons.

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 ⓘ

CancelYes, Create

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

Internet Gateways | VPC

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

Apps EC2 Management Co

Services Resource Groups

silva1n82 Mumbai Support

VPC Dashboard

Filter by VPC: Select a 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 Internet Gateway Delete Attach to VPC Detach from VPC

Search Internet Gateways and X

<< 1 to 3 of 3 Internet Gateways >>

Name	ID	State	VPC
<input checked="" type="checkbox"/> Sansbound_VPC2_IGW	igw-10b39379	detached	
<input type="checkbox"/> igw-69633500	igw-69633500	attached	vpc-a655a2ce
<input type="checkbox"/> 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:

Feedback English (US)

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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 displays the AWS Management Console interface for the VPC Dashboard. The left sidebar lists various VPC resources, with 'Route Tables' highlighted. The main content area shows a list of four route tables. The second table, 'rtb-21d35649', is selected and highlighted in blue. Below the table, the details for this specific route table are shown, including its ID, main status, and associated VPC.

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 shows the AWS VPC Dashboard for the region 'ap-south-1'. The left sidebar contains a navigation menu with categories like VPC Dashboard, 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 displays a list of Route Tables. The table has columns: Name, Route Table ID, Explicitly Associated, Main, and VPC. The selected route table is 'Sansbound_VPC2_Public_route' with ID 'rtb-21d35649'.

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

The details for the selected route table 'rtb-21d35649' are shown in the 'Summary' tab:

- Route Table ID: rtb-21d35649 | Sansbound_VPC2_Public_route
- Main: yes
- Explicitly Associated With: 0 Subnets
- VPC: vpc-d2bd6aba | Sansbound_VPC2

In Sansbound_VPC2_Public_route table, select route tab then click “Edit” option.

The screenshot shows the AWS VPC Dashboard for the region 'ap-south-1'. The left sidebar lists various VPC resources, with 'Route Tables' highlighted. The main content area displays a list of route tables. The table below shows the details of the selected route table, 'rtb-21d35649'.

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

Below the table, the details for the selected route table 'rtb-21d35649' are shown. The 'Routes' tab is active, displaying a single route:

Destination	Target	Status	Propagated
192.168.0.0/16	local	Active	No

Click “Add another route” button.

The screenshot displays the AWS Management Console interface for the VPC Dashboard. The left sidebar lists various VPC resources, with 'Route Tables' selected. The main content area shows a list of route tables. The 'Sansbound_VPC2_Public_route' (rtb-21d35649) is selected, and its details are shown in the 'Routes' tab. The route table is associated with VPC 'vpc-d2bd6aba' and has one route to the destination '192.168.0.0/16' via a 'local' target.

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	

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

The screenshot shows the AWS Management Console interface for the VPC Dashboard. The left sidebar lists various VPC resources, with 'Route Tables' highlighted. 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. 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	✱

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 Route Tables. The left sidebar contains navigation links for VPC Dashboard, Virtual Private Cloud, Security, VPN Connections, and more. The main content area displays a list of route tables. The table has columns: Name, Route Table ID, Explicitly Associated, Main, and VPC. The row for 'Sansbound_VPC2_Public_route' (ID: rtb-21d35649) is selected. Below the table, the 'Subnet Associations' tab is active, showing a message: '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:'. A table lists these subnets: 'subnet-12b4b85f | Sansbound_VPC2_Public_subnet' with IPv4 CIDR '192.168.2.0/24'. The 'Edit' button is highlighted with a yellow box.

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

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	IPv4 CIDR	IPv6 CIDR
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 'Route Tables' section. The left sidebar contains a navigation menu with categories like 'Virtual Private Cloud', 'Security', 'VPN Connections', and 'Network ACLs'. The main content area displays a list of route tables. The 'Sansbound_VPC2_Public_route' (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 IPv4 CIDR of '192.168.2.0/24'. The 'Save' button is highlighted with a yellow box.

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 displays the AWS Management Console for the EC2 service in the Asia Pacific (Mumbai) region. The interface includes a left-hand navigation pane with categories like EC2 Dashboard, INSTANCES, IMAGES, ELASTIC BLOCK STORE, NETWORK & SECURITY, LOAD BALANCING, and AUTO SCALING. The main content area is divided into several sections: Resources (listing counts for Running Instances, Elastic IPs, Snapshots, Load Balancers, Security Groups, Dedicated Hosts, Volumes, Key Pairs, and Placement Groups), a 'Create Instance' button, Service Health (showing normal status for the region and availability zones), and Scheduled Events. A right-hand sidebar contains Account Attributes, Additional Information (links to guides and documentation), and AWS Marketplace listings for Barracuda NextGen Firewall and Splunk Insights for AWS Cloud Monitoring. A blue notification box at the top of the Resources section promotes Amazon EC2 Spot instances.

EC2 Management Console

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

Apps EC2 Management Console

Services Resource Groups

EC2 Dashboard

- Events
- Tags
- Reports
- Limits
- INSTANCES
 - Instances
 - Launch Templates
 - Spot Requests
 - Reserved Instances
 - Dedicated Hosts
- IMAGES
 - AMIs
 - Bundle Tasks
- ELASTIC BLOCK STORE
 - Volumes
 - Snapshots
- NETWORK & SECURITY
 - Security Groups
 - Elastic IPs
 - Placement Groups
 - Key Pairs
 - Network Interfaces
- LOAD BALANCING
 - Load Balancers
 - Target Groups
- AUTO SCALING
 - Launch Configurations
 - Auto Scaling Groups

Resources

You are using the following Amazon EC2 resources in the Asia Pacific (Mumbai) region:

- 0 Running Instances
- 0 Elastic IPs
- 0 Dedicated Hosts
- 0 Snapshots
- 0 Volumes
- 1 Load Balancers
- 8 Key Pairs
- 4 Security Groups
- 0 Placement Groups

EC2 Spot. Save up to 90% off On-Demand Prices. Turbo Boost your Workloads. Get started with Amazon EC2 Spot Instances.

Create Instance

To start using Amazon EC2 you will want to launch a virtual server, known as an Amazon EC2 Instance.

Launch Instance

Note: Your instances will launch in the Asia Pacific (Mumbai) region

Service Health

Service Status:

- Asia Pacific (Mumbai): This service is operating normally

Availability Zone Status:

- ap-south-1a: Availability zone is operating normally
- ap-south-1b: Availability zone is operating normally

Service Health Dashboard

Scheduled Events

Asia Pacific (Mumbai): No events

Account Attributes

Supported Platforms

- VPC

Default VPC

- vpc-a655a2ce

Resource ID length management

Additional Information

- Getting Started Guide
- Documentation
- All EC2 Resources
- Forums
- Pricing
- Contact Us

AWS Marketplace

Find free software trial products in the AWS Marketplace from the [EC2 Launch Wizard](#). Or try these popular AMIs:

- Barracuda NextGen Firewall F-Series - PAYG
 - Provided by Barracuda Networks, Inc.
 - Rating ★★★★★
 - Starting from \$0.60/hr or from \$4,599/yr (12% savings) for software + AWS usage fees
 - [View all Software Infrastructure](#)
- Splunk Insights for AWS Cloud Monitoring
 - Provided by Splunk Inc.
 - Rating ★★★★★

Feedback English (US)

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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 AWS logo, navigation tabs (Services, Resource Groups), and user information (siva1n82, Mumbai, Support).

The main content area is titled 'Step 1: Choose an Amazon Machine Image (AMI)'. It features a list of available AMIs:

- SUSE Linux** (Free tier eligible): SUSE Linux Enterprise Server 12 SP3 (HVM), SSD Volume Type - ami-f7267298. Description: 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. Root device type: ebs. Virtualization type: hvm. 64-bit. [Select]
- Red Hat** (Free tier eligible): Red Hat Enterprise Linux 7.4 (HVM), SSD Volume Type - ami-e60e5a89. Description: Red Hat Enterprise Linux version 7.4 (HVM), EBS General Purpose (SSD) Volume Type. Root device type: ebs. Virtualization type: hvm. 64-bit. [Select]
- Amazon RDS** (Promotional banner): 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]
- Windows** (Free tier eligible): Microsoft Windows Server 2016 Base - ami-489fcb27. Description: Microsoft Windows 2016 Datacenter edition. [English]. Root device type: ebs. Virtualization type: hvm. 64-bit. [Select]
- Deep Learning AMI (Ubuntu)** (Free tier eligible) - ami-27e8a148. Description: Latest versions of deep learning frameworks pre-installed in separate virtual environments: MXNet, TensorFlow, Caffe2, PyTorch, Theano, CNTK, Keras. Root device type: ebs. Virtualization type: hvm. 64-bit. [Select]
- Deep Learning AMI (Amazon Linux)** (Free tier eligible) - ami-6ce8a103. Description: Latest versions of deep learning frameworks pre-installed in separate virtual environments: MXNet, TensorFlow, Caffe2, PyTorch, Theano, CNTK, Keras. Root device type: ebs. Virtualization type: hvm. 64-bit. [Select]

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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 Free tier eligible	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

The screenshot shows the AWS Management Console interface for the 'Step 3: Configure Instance Details' of the EC2 Instance Wizard. The page is titled 'Step 3: Configure Instance Details' and includes a sub-header '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.'

The configuration options are as follows:

- Number of Instances:** 1 (with a 'Launch into Auto Scaling Group' link).
- Purchasing option:** ☐ Request Spot Instances.
- Network:** vpc-d2bd6aba | Sansbound_VPC2 (with a 'Create new VPC' link).
- Subnet:** subnet-f2b4b85f | Sansbound_VPC2_Public_subnet (with a 'Create new subnet' link). Below this, it says '251 IP Addresses available'.
- Auto-assign Public IP:** **Enable** (highlighted in yellow).
- IAM role:** None (with a 'Create new IAM role' link).
- Shutdown behavior:** Stop.
- Enable termination protection:** ☐ Protect against accidental termination.
- Monitoring:** ☐ Enable CloudWatch detailed monitoring. Below this, it says 'Additional charges apply.'
- Tenancy:** Shared - Run a shared hardware instance (with a dropdown arrow). Below this, it says 'Additional charges will apply for dedicated tenancy.'
- T2 Unlimited:** ☐ Enable. Below this, it says 'Additional charges may apply.'

Below the configuration options, there is a section for 'Network interfaces' with a table header:

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

At the bottom of the page, there are navigation buttons: 'Cancel', 'Previous', 'Review and Launch' (highlighted in blue), and 'Next: Add Storage'.

Click "Next".

Leave default and click "Next".

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 navigation bar includes the AWS logo, 'Services', 'Resource Groups', and user information 'siva1n82' in 'Mumbai'. The wizard progress bar shows steps: 1. Choose AMI, 2. Choose Instance Type, 3. Configure Instance, 4. Add Storage (active), 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-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 EC2 Launch 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 for Services and 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 (127 characters maximum)	Value (255 characters maximum)	Instances ⁱ	Volumes ⁱ
Name	VPC2 Public Instance	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

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

Services | Resource Groups | 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 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

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.

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Click “Review and Launch”.

Click “Launch”.

EC2 Management Console

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

Apps 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 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](#)

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