

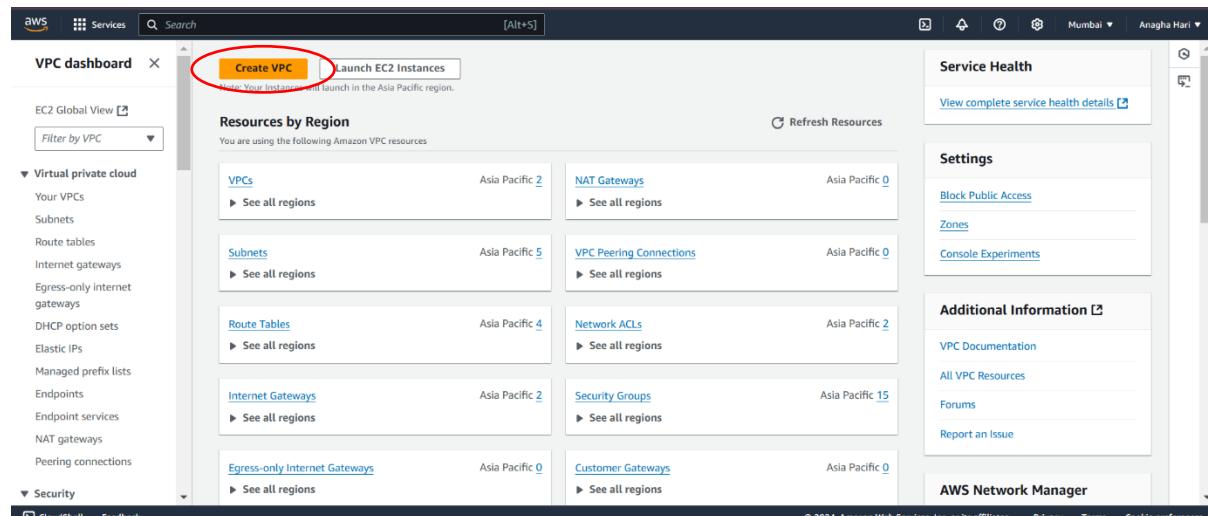
NETWORKING

ASSIGNMENT 1

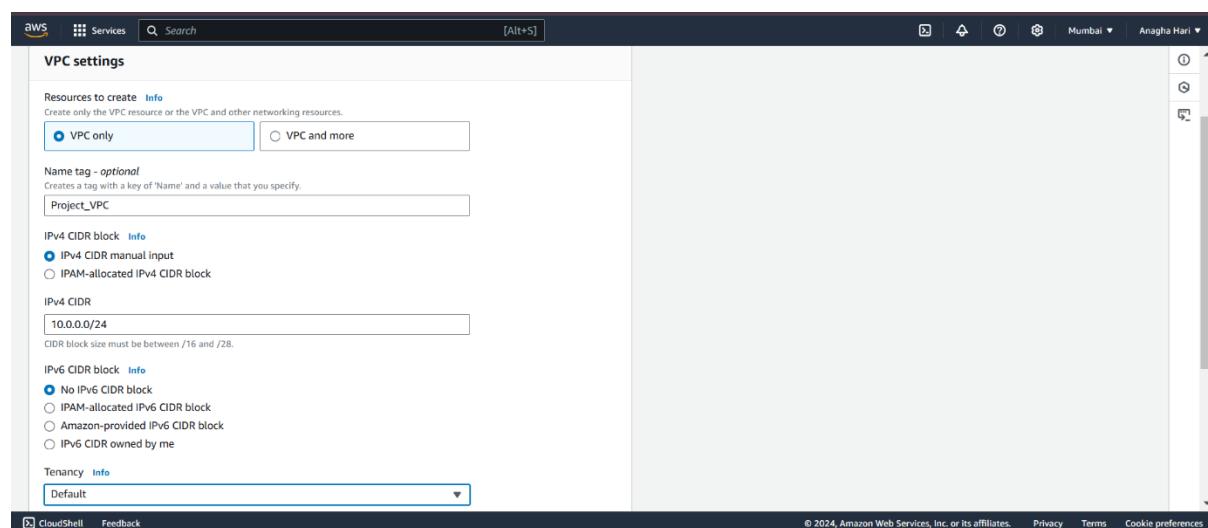
Networking refers to the communication, building of relationships and connection of devices for sharing information between each other.

Create a VPC

1. Navigate to VPC console.
2. Click on “Create VPC”.
3. Specify the following:
 - a. **IPV4 CIDR Block:** Choose a suitable CIDR block.
 - b. **Availability zones:** Select the desired Availability zones for the VPC.



The screenshot shows the AWS VPC dashboard. At the top, there is a navigation bar with the AWS logo, Services, a search bar, and user information (Mumbai, Anagha Hari). Below the navigation bar is a main content area titled "VPC dashboard". In the center, there is a large orange button labeled "Create VPC" which is circled in red. To the right of the "Create VPC" button is another button labeled "Launch EC2 Instances". Below these buttons, there is a section titled "Resources by Region" which lists various Amazon VPC resources categorized by region (Asia Pacific). On the left side of the dashboard, there is a sidebar with a tree view of "Virtual private cloud" resources like "Your VPCs", "Subnets", "Route tables", etc., and a "Security" section. On the right side, there are several panels: "Service Health", "Settings" (with options like "Block Public Access" and "Zones"), "Additional Information" (with links to "VPC Documentation" and "All VPC Resources"), and "AWS Network Manager". At the bottom of the dashboard, there is a footer with copyright information and links to "CloudShell", "Feedback", and "Cookie preferences".



The screenshot shows the "Create VPC" configuration page. At the top, there is a header with the AWS logo, Services, a search bar, and user information (Mumbai, Anagha Hari). Below the header, there is a section titled "VPC settings" with a sub-section "Resources to create". Under "Resources to create", there are two radio buttons: "VPC only" (which is selected) and "VPC and more". Below this, there is a "Name tag - optional" field containing "Project_VPC". There are three sections for "IPv4 CIDR block": "IPv4 CIDR block" with a dropdown menu showing "10.0.0.0/24", "IPv6 CIDR block" with a dropdown menu showing "No IPv6 CIDR block", and "Tenancy" with a dropdown menu showing "Default". At the bottom of the page, there is a footer with copyright information and links to "CloudShell", "Feedback", and "Cookie preferences".

IPv4 CIDR
10.0.0.0/24
CIDR block size must be between /16 and /28.

IPv6 CIDR block [Info](#)
 No IPv6 CIDR block
 IPAM-allocated IPv6 CIDR block
 Amazon-provided IPv6 CIDR block
 IPv6 CIDR owned by me

Tenancy [Info](#)
Default

Tags
A tag is a label that you assign to an AWS resource. Each tag consists of a key and an optional value. You can use tags to search and filter your resources or track your AWS costs.

Key	Value - optional
<input type="text" value="Name"/>	<input type="text" value="Project_VPC"/>

Add tag
You can add 49 more tags

Cancel [Preview code](#) **Create VPC**

Two VPCs Demo-VPC and Project_VPC have been created.

Create a Subnet

1. Click on create subnet.
2. Specify the following:
 - a. **VPC:** Select the VPC.
 - b. **Availability Zones:** Choose the availability zone for each subnet.
 - c. **IPV4 CIDR Block:** Assign a CIBR block to each subnet, ensuring they are within the VPC's CIDR block and don't overlap.

You successfully created [vpc-0317eae48e03db088 / Project_VPC](#)

Subnets (5) [Info](#)

Last updated 11 minutes ago

Name	Subnet ID	State	VPC	Block Public...	IPv4 CIDR
-	subnet-086485f6fddbd7d6cf	Available	vpc-0c769d009d1d95e4b	Off	172.31.0.0/20
-	subnet-08f43dd3664401339	Available	vpc-0c769d009d1d95e4b	Off	172.31.32.0/20
-	subnet-0f116fe7abbd6f091	Available	vpc-0c769d009d1d95e4b	Off	172.31.16.0/20
Demo-Private-Subnet	subnet-051f341b5b46d6c82	Available	vpc-07dd389329af0216d Demo...	Off	192.168.1.128/25
Demo-Public-Subnet	subnet-0ccb0861632c0fd89	Available	vpc-07dd389329af0216d Demo...	Off	192.168.1.0/25

Create subnet

aws Services Search [Alt+S] Mumbai Anagha Hari

VPC > Subnets > Create subnet

Create subnet Info

VPC

VPC ID
Create subnets in this VPC.
vpc-0317eae48e03db088 (Project_VPC)

Associated VPC CIDRs
IPv4 CIDRs
10.0.0.0/24

Subnet settings
Specify the CIDR blocks and Availability Zone for the subnet.

Subnet 1 of 1

Subnet name
Create a tag with a key of 'Name' and a value that you specify.
Project_Public_Subnet

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Availability Zone Info
Choose the zone in which your subnet will reside, or let Amazon choose one for you.
Asia Pacific (Mumbai) / ap-south-1a

IPv4 VPC CIDR block Info
Choose the VPC's IPv4 CIDR block for the subnet. The subnet's IPv4 CIDR must lie within this block.
10.0.0.0/24

IPv4 subnet CIDR block
10.0.0.0/25 128 IPs

Tags - optional
Key Value - optional
Q Name Project_Public_Subnet Remove
Add new tag You can add 49 more tags.
Remove Add new subnet

CANCEL Create subnet

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The name can be up to 256 characters long.

Availability Zone Info
Choose the zone in which your subnet will reside, or let Amazon choose one for you.
Asia Pacific (Mumbai) / ap-south-1a

IPv4 VPC CIDR block Info
Choose the VPC's IPv4 CIDR block for the subnet. The subnet's IPv4 CIDR must lie within this block.
10.0.0.0/24

IPv4 subnet CIDR block
10.0.0.128/25 128 IPs

Tags - optional
Key Value - optional
Q Name Project_Private_Subnet Remove
Add new tag You can add 49 more tags.
Remove Add new subnet

CANCEL Create subnet

Likewise, four subnets, two each for 10.0.0.0/24 and 192.168.1.0/24 have been created.

VPC dashboard

Subnets (7) Info

Name	Subnet ID	State	VPC	Block Public...	IPv4 CIDR
Project_Public_Subnet	subnet-0b5a09fcc606e3b7d	Available	vpc-0317ea48e03db088 Proj...	Off	10.0.0.0/25
-	subnet-0864856f6ddbd7dcfc	Available	vpc-0c769d009d1d95e4b	Off	172.31.0.0/20
-	subnet-08f43dd3664401339	Available	vpc-0c769d009d1d95e4b	Off	172.31.32.0/20
-	subnet-0f116fe7abbd6f091	Available	vpc-0c769d009d1d95e4b	Off	172.31.16.0/20
Demo-Private-Subnet	subnet-051f341b5b46d6c82	Available	vpc-07dd389329af0216d Dem...	Off	192.168.1.128/25
Project_Private_Subnet	subnet-077a4e8a9a161a9e4	Available	vpc-0317ea48e03db088 Proj...	Off	10.0.128.0/25

Select a subnet

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Create Router tables

- Click on Router tables.
- Create Router tables by specifying the necessary details.
- Then go to the subnet association section click on edit subnet and specify the subnet to be assigned.

VPC dashboard

Route tables (5) Info

Name	Route table ID	Explicit subnet assoc...	Edge associations	Main	VPC
Demo-Route-PrivateRt	rtb-0b4107ca48a37e364	subnet-051f341b5b46d6...	-	No	vpc-07dd389329af0216d Dem...
-	rtb-0f66254ba81a73f6b	-	-	Yes	vpc-07dd389329af0216d Dem...
Demo-Route-PublicRt	rtb-0b50b3f000b4730c9	subnet-0ccb861632c0fd...	-	No	vpc-07dd389329af0216d Dem...
-	rtb-0c542ae5f841f6a1	-	-	Yes	vpc-0c769d009d1d95e4b
-	rtb-0edfe9428874413c9	-	-	Yes	vpc-0317ea48e03db088 Proj...

Select a route table

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Create route table

Route table settings

Name - optional
Create a tag with a key of 'Name' and a value that you specify.

VPC
The VPC to use for this route table.

Tags
A tag is a label that you assign to an AWS resource. Each tag consists of a key and an optional value. You can use tags to search and filter your resources or track your AWS costs.

Key	Value - optional
<input type="text" value="Name"/>	<input type="text" value="Project_Route_PublicRt"/>
Remove	
Add new tag	

You can add 49 more tags.

[Cancel](#) **Create route table**

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Create a Private route table and do the subnet connections as follows.

Route tables (1/7) info

Name	Route table ID	Explicit subnet assoc...	Main	VPC
Demo-Route-PrivateRt	rtb-0b4107ca48a37e364	subnet-051f541b5b46d...	-	vpc-07dd389329af0216d Dem...
-	rtb-0f66254b81a73f6b	-	Yes	vpc-07dd389329af0216d Dem...
Demo-Route-PublicRt	rtb-0b50b3f000b4730c9	subnet-0ccbdb861632c0fd...	-	vpc-07dd389329af0216d Dem...
-	rtb-0c542ae5f841fd6a1	-	Yes	vpc-0c769d00941d95e4b
-	rtb-0edfe9428874413c9	-	Yes	vpc-0317ea48e03db088 Proj...
Project_Route_PublicRt	rtb-0a5abfae56f5294a9	-	-	vpc-0317ea48e03db088 Proj...

rtb-0a5abfae56f5294a9 / Project_Route_PublicRt

Details | Routes | **Subnet associations** | Edge associations | Route propagation | Tags

Explicit subnet associations (0)

Edit subnet associations

Available subnets (1/2)

Name	Subnet ID	IPv4 CIDR	IPv6 CIDR	Route table ID
<input checked="" type="checkbox"/> Project_Public_Subnet	subnet-0b5a09fcc606e3b7d	10.0.0.0/25	-	Main (rtb-0edfe9428874413c9)
<input type="checkbox"/> Project_Private_Subnet	subnet-077a4e8a9a161a9e4	10.0.0.128/25	-	Main (rtb-0edfe9428874413c9)

Selected subnets

subnet-0b5a09fcc606e3b7d / Project_Public_Subnet

Save associations

Now we have to attach the network to the public subnet. For that, we have to use internet gateway.

Create Internet Gateways

1. Go to Internet Gateways.
2. Create Internet Gateways and click on “Attach to VPC”.
3. Select the VPC to be attached.
4. Go to the routers table, select the public network.
5. Navigate to Routes section and click on edit.
6. Click on add route and specify the necessary settings.

Create internet gateway Info

An internet gateway is a virtual router that connects a VPC to the internet. To create a new internet gateway specify the name for the gateway below.

Internet gateway settings

Name tag
Creates a tag with a key of 'Name' and a value that you specify.

Tags - optional
A tag is a label that you assign to an AWS resource. Each tag consists of a key and an optional value. You can use tags to search and filter your resources or track your AWS costs.

Key	Value - optional
<input type="text" value="Name"/>	<input type="text" value="Project-IGW"/>

Create internet gateway (highlighted)

VPC dashboard (highlighted)

igw-046773729e1f03662 / Project-IGW

Details Info

Internet gateway ID	State	VPC ID	Owner
<input type="text" value="igw-046773729e1f03662"/>	<input checked="" type="radio"/> Detached	-	<input type="text" value="739275448450"/>

Tags

Key	Value
Name	Project-IGW

Attach to a VPC (highlighted)

Attach to VPC (igw-046773729e1f03662) Info

VPC
Attach an internet gateway to a VPC to enable the VPC to communicate with the internet. Specify the VPC to attach below.

Available VPCs
Attach the internet gateway to this VPC.

AWS Command Line Interface command

Attach internet gateway (highlighted)

Goto rout tables and then edit the route settings of the public rout table to add the internet gateway.

Screenshot of the AWS VPC dashboard showing Route tables (1/7). The table lists several route tables, including "Project_Route_PublicRt" which is selected. The "Edit routes" button is highlighted with a red circle.

Name	Route table ID	Explicit subnet associations	Edge associations	Main	VPC
-	rtb-0f66254ba81a75f6b	-	-	Yes	vpc-07dd589329af0216d Dem...
Demo-Route-PublicRt	rtb-0b50a3f000ba4730c9	subnet-0ccbcd861632c0fd...	-	No	vpc-0c7dd589329af0216d Dem...
-	rtb-0c542ae5f841fd6a1	-	-	Yes	vpc-0c769d009d1d95e4b
-	rtb-0cdefe9428874413c9	-	-	Yes	vpc-0317ea48e03db088 Proj...
Project_Route_PublicRt	rtb-0a5abfae56f5294a9	subnet-0b5a09fcc606e3b7d / Project_Public_Subnet	-	No	vpc-0317ea48e03db088 Proj...
Project-Route-PrivateRt	rtb-0c03fce93b66ed2aa	subnet-077a4e8a9a161a...	-	No	vpc-0317ea48e03db088 Proj...

rtb-0a5abfae56f5294a9 / Project_Route_PublicRt

Routes (1)

Destination	Target	Status	Propagated
10.0.0.0/24	local	Active	No

Edit routes

Destination Target Status Propagated

10.0.0.0/24	local	Active	No
0.0.0.0/0	Internet Gateway	-	No
	igw-046773729e1f03662	-	

Add route Save changes

rtb-0a5abfae56f5294a9 / Project_Route_PublicRt

Details Info

Route table ID: rtb-0a5abfae56f5294a9	Main: No	Explicit subnet associations: subnet-0b5a09fcc606e3b7d / Project_Public_Subnet	Edge associations: -
VPC: vpc-0317ea48e03db088 Project_VPC	Owner ID: 739275448450		

Routes (2)

Destination	Target	Status	Propagated
0.0.0.0/0	igw-046773729e1f03662	Active	No
10.0.0.0/24	local	Active	No

Goto the VPC and edit the VPC settings, enable DNS hostnames and click on save.

Screenshot of the AWS VPC dashboard showing the 'Your VPCs' section. A context menu is open over the 'Project_VPC' row, with the 'Edit VPC settings' option highlighted and circled.

The 'Details' tab of the VPC configuration page is shown. The 'Save' button at the bottom right is circled.

We need a public IP address which has to be generated by the public subnet. Goto Subnet click on the subnet settings and enable public IPV4 address and then click on save.

Screenshot of the AWS VPC dashboard showing the 'Subnets' section. A context menu is open over the 'Project_Public_Subnet' row, with the 'Edit subnet settings' option highlighted and circled.

The screenshot shows the 'Edit subnet settings' page for a subnet named 'Project_Public_Subnet'. The subnet ID is 'subnet-0b5a09fcc606e3b7d'. Under 'Auto-assign IP settings', the 'Enable auto-assign public IPv4 address' checkbox is checked. In the 'Resource-based name (RBN) settings' section, there are options for 'Enable resource name DNS A record on launch' and 'Enable resource name DNS AAAA record on launch', both of which are unchecked.

Launch Instances:

1. Navigate to the EC2 service.
2. Click on "Launch Instance."
3. Choose an Amazon Machine Image (AMI) that suits your needs.
4. Select the instance type.
5. Configure the security group to allow SSH and the desired communication ports (e.g., HTTP, HTTPS).
6. In the "Network Settings" tab, select the VPC and subnets you created.
7. Launch the instances.

The screenshot shows the 'Launch instance' page. In the 'Network settings' tab, a VPC is selected ('vpc-0317ea48e03db088 (Project_VPC)'). A subnet ('Project_Public_Subnet') is also selected. In the 'Summary' tab, the 'Number of instances' is set to 1. The 'Software Image (AMI)' is 'Microsoft Windows Server 2025 ...'. The 'Virtual server type (instance type)' is 't3.micro'. The 'Storage (volumes)' section shows 1 volume(s) - 30 GiB. At the bottom, the 'Launch instance' button is highlighted with a red oval.

Set the security group settings.

The screenshot shows the AWS EC2 Instances page. On the left, there's a sidebar with navigation links like Dashboard, EC2 Global View, Events, Instances, Images, and Elastic Block Store. The main area displays a table of instances. One instance is selected, showing its details: Name (Window_Public...), Instance ID (i-0c5eec2cf8f4d264e), State (Running), Type (t3.micro), and other metadata like Last updated (1 minute ago), Status check (Initializing), Alarm status (View alarms), Availability Zone (ap-south-1a), and Public IPv4 DNS (ec2-3-109-183-216.d). Below the table, a modal window titled 'i-0c5eec2cf8f4d264e (Window_Public_WebServer)' is open, showing the Security tab with IAM Role (none), Owner ID (739275448450), and Launch time (Sat Nov 23 2024 13:49:05 GMT+0530 (India Standard Time)).

The screenshot shows the AWS EC2 Security Groups page for the 'sg-025e340a216e9ccac - default' group. The sidebar includes links for Instances, Images, and Elastic Block Store. The main section displays the 'Details' tab with information like Security group name (default), Security group ID (sg-025e340a216e9ccac), Owner (739275448450), Description (default VPC security group), and VPC ID (vpc-07dd389329af0216d). Below this, the 'Inbound rules' tab is selected, showing three entries: one for RDP (TCP port 3389) and two for SSH (TCP port 22). There are buttons for 'Edit inbound rules' and 'Tags'.

The screenshot shows the 'Edit inbound rules' dialog for the security group. It lists three rules: one for RDP (TCP port 3389), one for All traffic (All port, All source), and one for SSH (TCP port 22). Each rule has fields for Type, Protocol, Port range, Source, and Description. At the bottom right of the dialog, there are 'Cancel', 'Preview changes', and a prominent orange 'Save rules' button.

Launch another instance for private network connection.

Screenshot of the AWS VPC Network Settings configuration page.

Network settings

- VPC - required**: vpc-0317aea48e03db088 (Project_VPC) CIDR: 10.0.0.0/24
- Subnet**: Project_Private_Subnet (subnet-077a4e8a9a161a9e4) Availability Zone: ap-south-1a Zone type: Availability Zone IP addresses available: 123 CIDR: 10.0.0.128/25
- Auto-assign public IP**: Disable
- Firewall (security groups)**: Create security group or Select existing security group
- Common security groups**: Select security groups (sg-0104587b8f48dadb7)
- Advanced network configuration**

Summary

- Number of instances: 1
- Software Image (AMI)**: Microsoft Windows Server 2025 ...read more ami-00a6b23a4dd325f30
- Virtual server type (instance type)**: t3.micro
- Firewall (security group)**: default
- Storage (volumes)**: 1 volume(s) - 30 GiB

Free tier: In your first year includes 750 hours of t2.micro (or t3.micro in the Regions in which t2.micro is unavailable) instance usage on free tier AMIs per month, 750 hours of public IPv4 address usage per month, 30 GiB of EBS storage, 2 million I/Os, 1 GB of snapshots, and 100 GiB of bandwidth to the Internet.

Connecting the Public network

Screenshot of the AWS EC2 Security Groups page.

Instances (1/2)

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IPv4 DNS
Window_Publi...	i-0sec2cf8f4d264e	Running	t3.micro	3/3 checks passed	View alarms +	ap-south-1a	ec2-3-109-183-216.e...
Windows_Priv...	i-00c911e774a48aca	Running	t3.micro	Initializing	View alarms +	ap-south-1a	-

i-0sec2cf8f4d264e (Window_Public_WebServer)

Details | Status and alarms | Monitoring | Security | Networking | Storage | Tags

Instance summary

Instance ID: i-0sec2cf8f4d264e	Public IPv4 address: 3.109.183.216 open address	Private IPv4 addresses: 192.168.1.122
IPv6 address	Instance state	Public IPv4 DNS

Screenshot of the AWS EC2 Get Windows password page.

Get Windows password

Use your private key to retrieve and decrypt the initial Windows administrator password for this instance.

Instance ID: i-0sec2cf8f4d264e (Window_Public_WebServer)

Key pair associated with this instance: AWS_Key_Pair

Private key

Enter upload your private key file or copy and paste its contents into the field below.

Upload private key file (button circled in red)

Private key contents - optional:

Private key contents

Cancel | **Decrypt password**

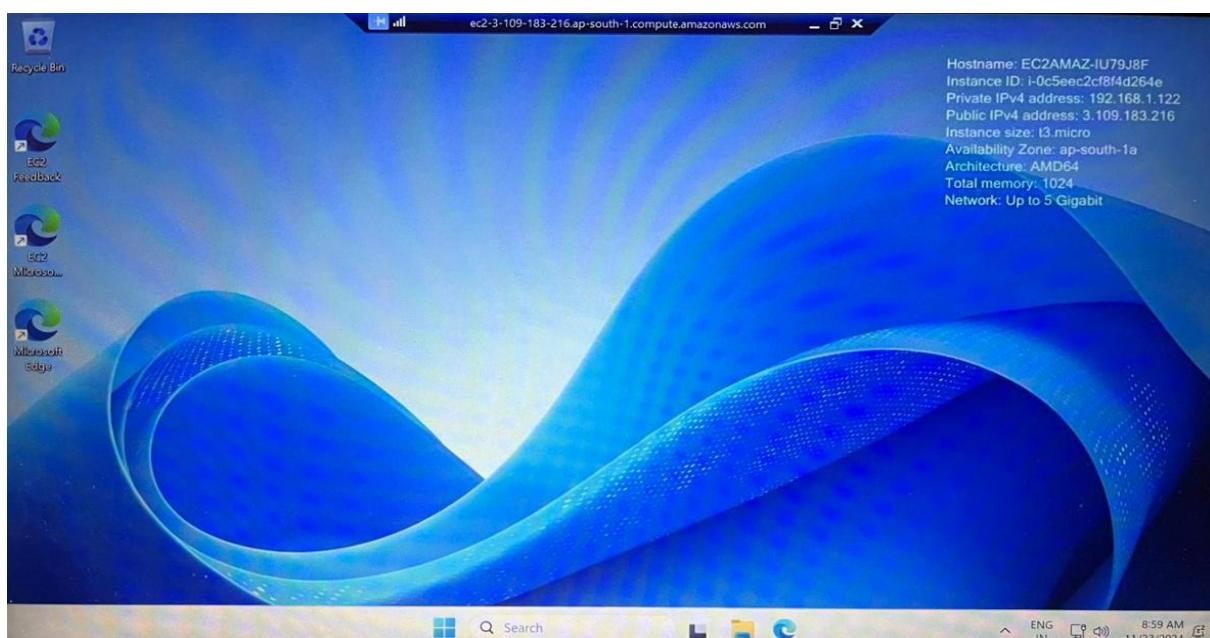
Screenshot of the AWS EC2 Instances page showing the 'Get Windows password' step.

The page displays a private key for retrieving the initial Windows administrator password. A red circle highlights the 'Decrypt password' button at the bottom right of the key content area.

Session Manager tab is selected in the second screenshot.

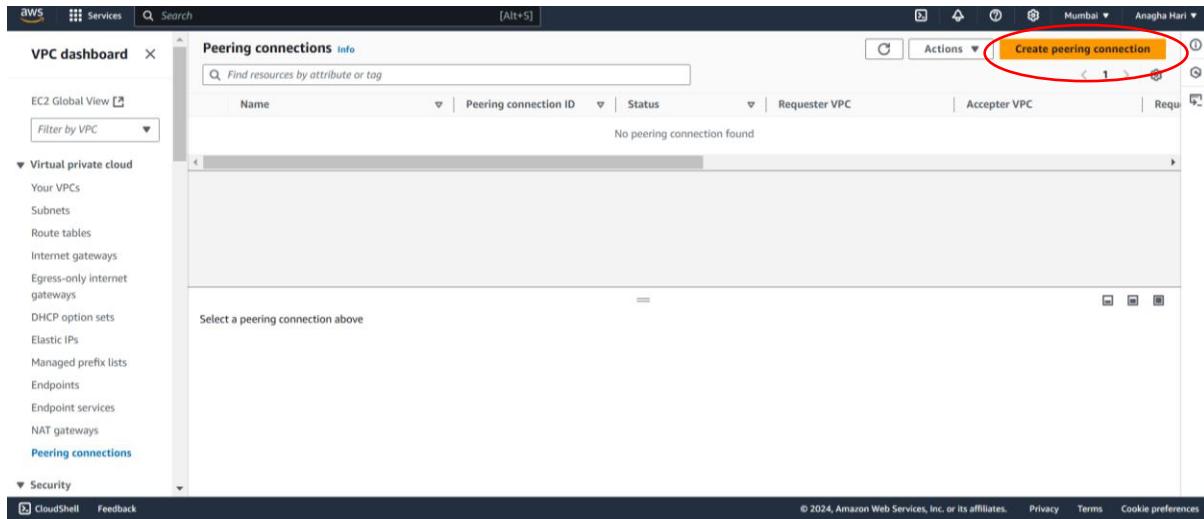
A red circle highlights the 'Download remote desktop file' button under the 'Connect using RDP client' section.

Run the downloaded file and enter the password. The windows public webserver is launched successfully.

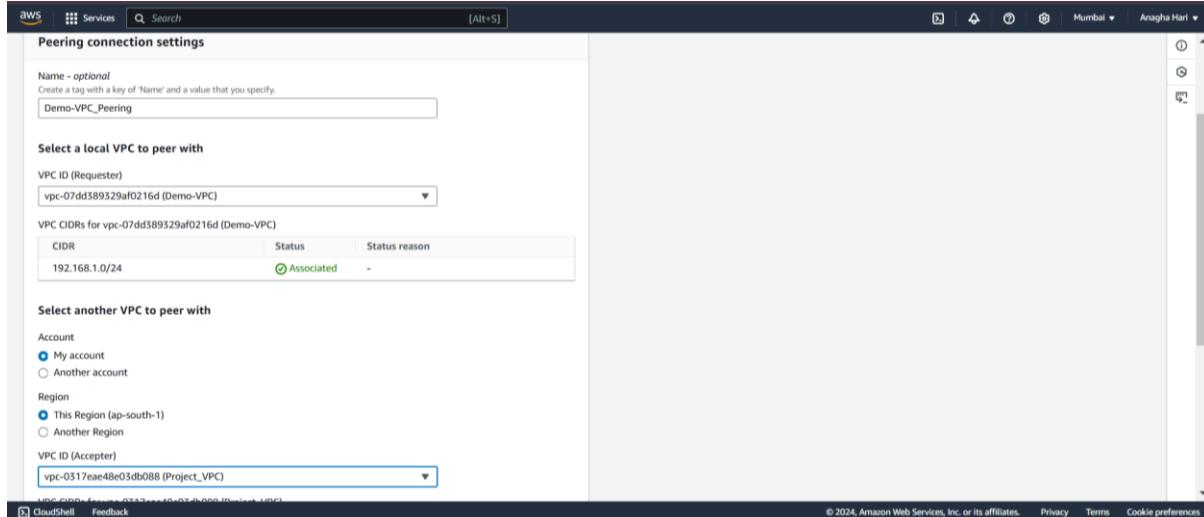


Establishing connection between two different servers

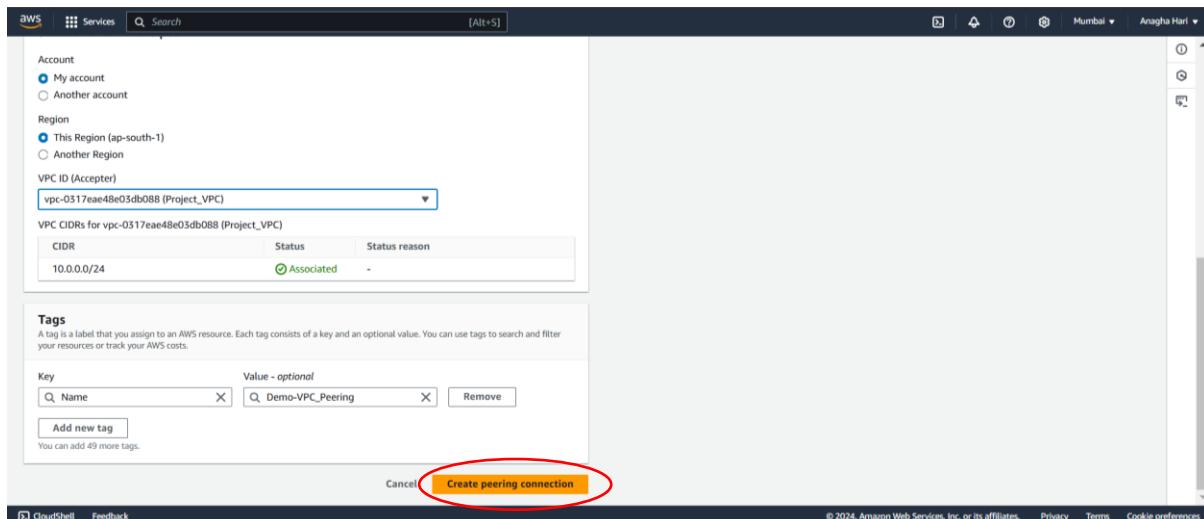
1. Navigate to VPC Peering under VPC.
2. Create a VPC Peering.



The screenshot shows the AWS VPC dashboard with the 'Peering connections' section. The 'Actions' menu has a red circle around the 'Create peering connection' option. The main table displays 'No peering connection found'.



The screenshot shows the 'Peering connection settings' page for the requester VPC. It includes fields for 'Name - optional' (Demo-VPC_Peering), 'Select a local VPC to peer with' (Requester VPC ID: 'vpc-07dd589329af0216d (Demo-VPC)'), and 'Select another VPC to peer with' (Acceptor VPC ID: 'vpc-0317eae48e03db088 (Project_VPC)'). The 'Create peering connection' button is highlighted with a red circle.



The screenshot shows the 'Peering connection settings' page for the acceptor VPC. It includes fields for 'Account' (My account), 'Region' (This Region (ap-south-1)), and 'VPC ID (Acceptor)' ('vpc-0317eae48e03db088 (Project_VPC)'). The 'Create peering connection' button is highlighted with a red circle.

AWS Services Search [Alt+S]

VPC dashboard > Peering connections > pcx-0fb41aa31d0d1a1ee / Demo-VPC_Peering

Pending acceptance You can accept or reject this peering connection request using the 'Actions' menu. You have until Saturday, November 30, 2024 at 14:44:32 GMT+5:30 to accept or reject the request, otherwise it expires.

Details Info

Requester owner ID	Acceptor owner ID	VPC Peering connection ARN
739275448450	739275448450	arn:aws:ec2:ap-south-1:739275448450:vpc-peering-connection/pcx-0fb41aa31d0d1a1ee
Peering connection ID	Requester VPC	Acceptor VPC
pcx-0fb41aa31d0d1a1ee	vpc-07dd389329af0216d / Demo-VPC	vpc-0317ea48e03db088 / Project_VPC
Status	Requester CIDRs	Acceptor CIDRs
Pending Acceptance by 739275448450	192.168.1.0/24	-
Expiration time	Requester Region	Acceptor Region
Saturday, November 30, 2024 at 14:44:32 GMT+5:30	Mumbai (ap-south-1)	Mumbai (ap-south-1)

DNS Route tables Tags

Actions ▾

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AWS Services Search [Alt+S]

VPC dashboard > Peering connections > pcx-0fb41aa31d0d1a1ee / Demo-VPC_Peering

Pending acceptance You can accept or reject this peering connection request using the 'Actions' menu. You have until Saturday, November 30, 2024 at 14:44:32 GMT+5:30 to accept or reject the request, otherwise it expires.

Details Info

Requester owner ID	Acceptor owner ID	VPC Peering connection ARN
739275448450	739275448450	arn:aws:ec2:ap-south-1:739275448450:vpc-peering-connection/pcx-0fb41aa31d0d1a1ee
Peering connection ID	Requester VPC	Acceptor VPC
pcx-0fb41aa31d0d1a1ee	vpc-07dd389329af0216d / Demo-VPC	vpc-0317ea48e03db088 / Project_VPC
Status	Requester CIDRs	Acceptor CIDRs
Pending Acceptance by 739275448450	192.168.1.0/24	-
Expiration time	Requester Region	Acceptor Region
Saturday, November 30, 2024 at 14:44:32 GMT+5:30	Mumbai (ap-south-1)	Mumbai (ap-south-1)

DNS Route tables Tags

Actions ▾

Accept request Reject request Edit DNS settings Manage tags Delete peering connection

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AWS Services Search [Alt+S]

VPC dashboard > Peering connections > pcx-0fb41aa31d0d1a1ee / Demo-VPC_Peering

Pending acceptance You can accept or reject this peering connection request using the 'Actions' menu. You have until Saturday, November 30, 2024 at 14:44:32 GMT+5:30 to accept or reject the request, otherwise it expires.

Accept VPC peering connection request Info

Are you sure you want to accept this VPC peering connection request? (pcx-0fb41aa31d0d1a1ee / Demo-VPC_Peering)

Requester CIDRs	Acceptor CIDRs
192.168.1.0/24	192.168.1.0/24
Requester Region	Acceptor Region
Mumbai (ap-south-1)	Mumbai (ap-south-1)

Requester owner ID Acceptor owner ID Requester CIDRs Acceptor CIDRs Requester Region Acceptor Region

vpc-07dd389329af0216d / Demo-VPC vpc-0317ea48e03db088 / Project_VPC 192.168.1.0/24 192.168.1.0/24 Mumbai (ap-south-1) Mumbai (ap-south-1)

(This account) (This account)

Cancel Accept request

DNS Route tables Tags

Edit DNS settings

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Your VPC peering connection (pcx-0fb41aa31d0d1a1ee | Demo-VPC_Peering) has been established.
To send and receive traffic across this VPC peering connection, you must add a route to the peered VPC in one or more of your VPC route tables. [Info](#)

pcx-0fb41aa31d0d1a1ee / Demo-VPC_Peering

Details **Info**

Requester owner ID 73927544B450	Acceptor owner ID 73927544B450	VPC Peering connection ARN arn:aws:ec2:ap-south-1:73927544B450:vpc-peering-connection/pcx-0fb41aa31d0d1a1ee
Peering connection ID pcx-0fb41aa31d0d1a1ee	Requester VPC vpc-07dd389329af0216d / Demo-VPC	Acceptor VPC vpc-0517ae48e05db088 / Project_VPC
Status Active	Requester CIDRs 192.168.1.0/24	Acceptor CIDRs 10.0.0.0/24
Expiration time —	Requester Region Mumbai (ap-south-1)	Acceptor Region Mumbai (ap-south-1)

DNS **Route tables** **Tags**

DNS settings

Requester VPC ([vpc-07dd389329af0216d / Demo-VPC](#)) Info

Allow incoming VPC traffic from DNS and hosts in requester VPC for explicit IP and domains.

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Now we have to modify the route tables.

Subnets (1/1) Info

Name	Subnet ID	State	VPC	Block Public...	IPv4 CIDR	IPv6 CIDR
Demo-Public-Subnet	subnet-0ccb861632c0fd89	Available	vpc-07dd389329af0216d Demo-VPC	<input type="radio"/> Off	192.168.1.0/25	—

Route table: rtb-0b50b3f000b4730c9 / Demo-Route-Public

Routes (2)

Destination	Target
192.168.1.0/24	local
0.0.0.0/0	igw-04cc4168Bec37957f

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Subnets (1/1) Info

Availability Zone	Availability Zone ID	Network border group	Route table	Network ACL	Default subnet
ap-south-1a	aps1-az1	ap-south-1	rtb-0b50b3f000b4730c9 Demo-Route-Public	ac-0c57c3fb97d62b10	No

Route table: rtb-0b50b3f000b4730c9 / Demo-Route-Public

Routes (2)

Destination	Target
192.168.1.0/24	local
0.0.0.0/0	igw-04cc4168Bec37957f

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VPC dashboard

Route tables (1/1) info

Name	Route table ID	Explicit subnet assoc...	Edge associations	Main	VPC	Owner ID
Demo-Route-PublicRt	rtb-0b50b3f000b4730c9	subnet-0ccb861632c0fd...	-	No	vpc-07dd389329af0216d De...	73927544...

rtb-0b50b3f000b4730c9 / Demo-Route-PublicRt

Routes (2)

Destination	Target	Status	Propagated
0.0.0.0/0	igw-04cc41688ec37957f	Active	No
192.168.1.0/24	local	Active	No

Route tables > rtb-0b50b3f000b4730c9 > Edit routes

Edit routes

Destination	Target	Status	Propagated
192.168.1.0/24	local	Active	No
0.0.0.0/0	Internet Gateway	Active	No
10.0.0.0/24	Peering Connection	-	No

Add route

Cancel Prev Save changes

Do the same setting for the private subnet as well.

VPC > Route tables > rtb-0c03fce93b66ed2aa > Edit routes

Edit routes

Destination	Target	Status	Propagated
10.0.0.0/24	local	Active	No
192.168.1.0/24	Peering Connection	-	No

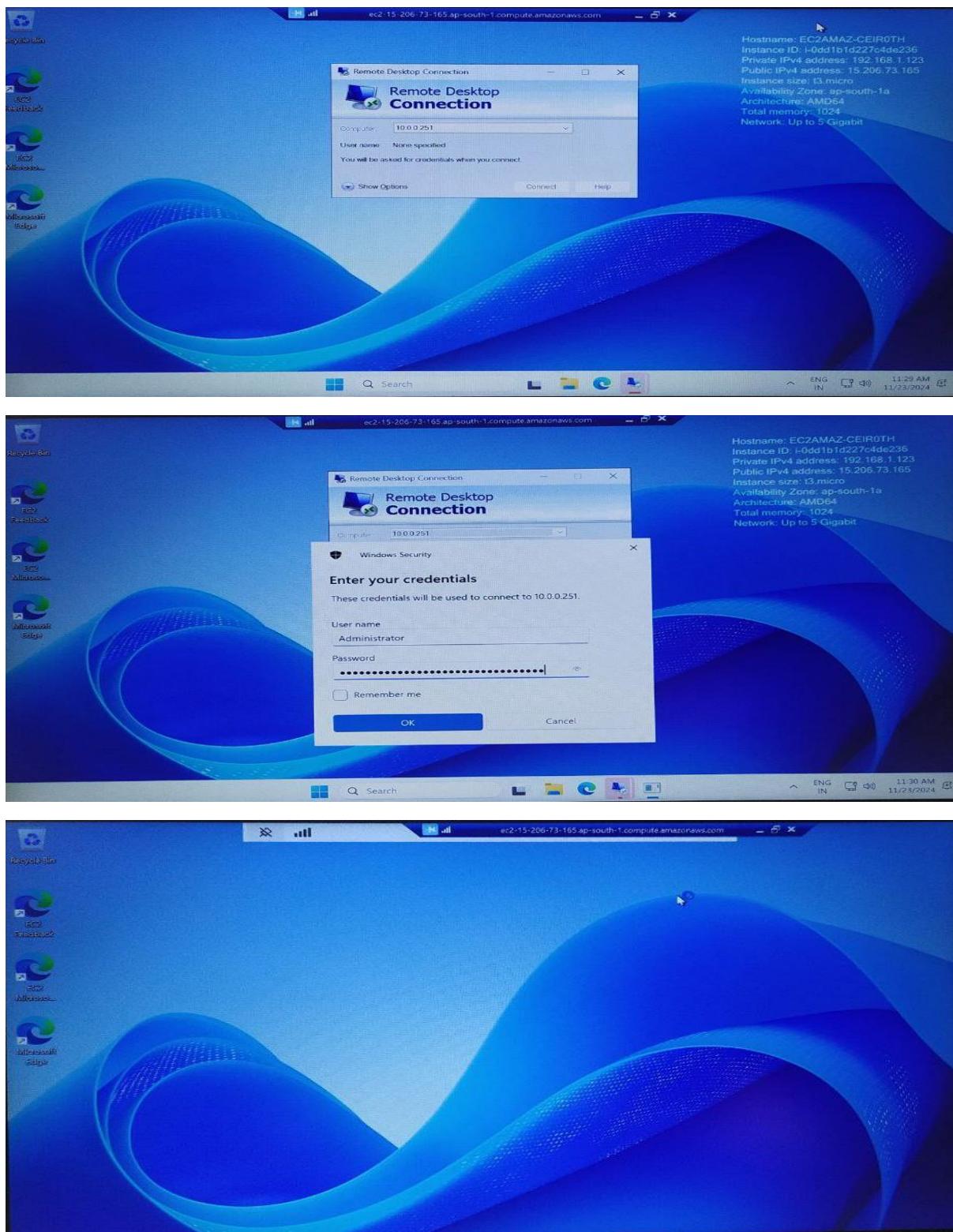
Add route

Cancel Prev Save changes

Testing connectivity between the two instances.

- In the RDP Client on the established public server, copy and paste the IP address of private server and connect.

2. Enter the username and password of private server and click connect.



The two servers are connected.