

The screenshot shows the AWS VPC Management console. The left sidebar is titled "Virtual private cloud" and lists several options: Your VPCs (selected), Subnets, Route tables, Internet gateways, Egress-only internet gateways, DHCP option sets, Elastic IPs, Managed prefix lists, Endpoints, Endpoint services, and NAT gateways. The main content area is titled "Your VPCs (1/1)" and shows a table with one row. The table columns are Name, VPC ID, State, and IPv4 CIDR. The single entry is "vpc-06f405c2a337e0f4f" with state "Available" and CIDR "172.31.0.0/16". Below this table, a detailed view for "vpc-06f405c2a337e0f4f" is shown with tabs for Details, CIDRs, Flow logs, and Tags. The "Details" tab is selected, showing fields for VPC ID, State, DNS hostnames, DNS resolution, and cookie preferences. The URL in the browser bar is https://ap-south-1.console.aws.amazon.com/vpc/home?region=ap-south-1#VpcDetails;VpcId=vpc-06f405c2a337e0f4f.

The screenshot shows the AWS VPC Management Console with the URL <https://ap-south-1.console.aws.amazon.com/vpc/home?region=ap-south-1#subnets>. The left sidebar is titled 'Subnets' and lists various VPC components: Virtual private cloud, Your VPCs, Subnets, Route tables, Internet gateways, Egress-only internet gateways, DHCP option sets, Elastic IPs, Managed prefix lists, Endpoints, Endpoint services, and NAT gateways. The main content area is titled 'Subnets (3) Info' and displays a table with three rows of subnet information. The columns are Name, Subnet ID, State, VPC, and IPv4 CIDR Range. Each row has a checkbox in the first column and a 'Select a subnet' button at the bottom right.

	Name	Subnet ID	State	VPC	IPv4 CIDR Range
<input type="checkbox"/>	-	subnet-0546dc709d5e8a4ab	Available	vpc-06f405c2a337e0f4f	172.31.0.0/16
<input type="checkbox"/>	-	subnet-019ad687d83a13fb6	Available	vpc-06f405c2a337e0f4f	172.31.1.0/16
<input type="checkbox"/>	-	subnet-07189b6fe82ff443a	Available	vpc-06f405c2a337e0f4f	172.31.2.0/16

Screenshot of the AWS VPC Management Console showing the creation of a new VPC named "mylwvpc".

**Name tag - optional:**  
Creates a tag with a key of 'Name' and a value that you specify.  
mylwvpc

**IPv4 CIDR block:** Info  
 IPv4 CIDR manual input  
 IPAM-allocated IPv4 CIDR block

**IPv4 CIDR:** 192.168.0.0/16

**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

**Feedback:** Looking for language selection? Find it in the new Unified Settings.

**Instances | EC2 Management Console**

**VPC Management Console**

**Actions:** You successfully created **vpc-09de6be94b00baf / mylwvpc**

**Details:**

VPC ID	State	DNS hostnames	DNS resolution
vpc-09de6be94b00baf	Available	Disabled	Enabled
DHCP option set	Main route table	Main network ACL	IPv6 CIDR (Network border group)
dopt-0527dc5a62971551b	rtb-02929fa0b1b0399bd	acl-06969a219c22c73ca	-
Tenancy	IPv4 CIDR	IPv6 pool	Route 53 Resolver DNS
Default	192.168.0.0/16	-	Owner ID
Default VPC	Network Address Usage metrics	Firewall rule groups	-
No	-	-	-

**Feedback:** Looking for language selection? Find it in the new Unified Settings.

**Instances | EC2 Management Console**

**VPC Management Console**

The screenshot shows the AWS VPC Management Console interface. The top navigation bar includes tabs for 'VPC Management Console' and 'Instances | EC2 Management Con'. The URL is https://ap-south-1.console.aws.amazon.com/vpc/home?region=ap-south-1#CreateSubnet. The user is signed in as 'The Eshwar Kanna' from 'Mumbai'.

**VPC ID**  
Create subnets in this VPC.  
vpc-09de6be94b0bafaf (mylwvpc)

**Associated VPC CIDRs**  
IPv4 CIDRs  
192.168.0.0/16

**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.  
public-sub-1a

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 CIDR block** [Info](#)  
Looking for language selection? Find it in the new Unified Settings [?](#)  
192.168.1.0/24

**Tags - optional**

Key	Value - optional
Q Name	Q public-sub-1a

Add new tag  
Remove  
Add new subnet

Cancel **Create subnet**

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**Subnet 2 of 2**

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

**IPv4 CIDR block** [Info](#)  
X

**Tags - optional**

Key	Value - optional
<input type="text" value="Name"/> X	<input type="text" value="public-sub-1b"/> X

[Add new tag](#)  
You can add 49 more tags.

[Remove](#)

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VPC Management Console Instances | EC2 Management Con... https://ap-south-1.console.aws.amazon.com/vpc/home?region=ap-south-1#CreateSubnet: Mumbai The Eshwar Kannan

aws Services Search [Alt+S]

Subnet name  
Create a tag with a key of 'Name' and a value that you specify.  
private-sub-1b  
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-1b

IPv4 CIDR block Info  
Q 192.168.4.0/24 X

▼ Tags - optional  
Key Value - optional  
Q Name Q private-sub-1b Remove  
Add new tag You can add 49 more tags.  
Remove Add new subnet

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VPC Management Console Instances | EC2 Management Con... https://ap-south-1.console.aws.amazon.com/vpc/home?region=ap-south-1#subnets;search=vpc-09de6be94b00bafaf: Mumbai The Eshwar Kannan

aws Services Search [Alt+S]

You have successfully created 4 subnets: subnet-0a9d953e9dff7cf0f, subnet-0905fd46e43290b9f, subnet-06e9cbc5750a3b5f0, subnet-0a29b79dc90752fa6

Subnets (4) Info C Actions Create subnet

Filter subnets search: vpc-09de6be94b00bafaf Clear filters

Subnet ID	Name	Status	VPC ID	CIDR Block
subnet-0a29b79dc90752fa6	private-sub-1b	Available	vpc-09de6be94b00bafaf   myl...	192.1...
subnet-06e9cbc5750a3b5f0	private-sub-1a	Available	vpc-09de6be94b00bafaf   myl...	192.1...
subnet-0a9d953e9dff7cf0f	public-sub-1a	Available	vpc-09de6be94b00bafaf   myl...	192.1...
subnet-0905fd46e43290b9f	public-sub-1b	Available	vpc-09de6be94b00bafaf   myl...	192.1...

Select a subnet

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Name and tags [Info](#)

Name  Add additional tags

**Application and OS Images (Amazon Machine Image) [Info](#)**

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Type here to search PragmaEdge 12:10 07-12-2022

VPC - required [Info](#)

vpc-09de6be94b00bafaf (mylwvpc)  
192.168.0.0/16

Subnet Info

subnet-06e9cbc5750a3b5f0 private-sub-1a  
VPC: vpc-09de6be94b00bafaf Owner: 789576624500  
Availability Zone: ap-south-1a IP addresses available: 251 CIDR: 192.168.3.0/24

Create new subnet [?](#)

Auto-assign public IP [Info](#)

Disable  
Enable  
Disable  Create security group  Select existing security group

Security group name - required  
launch-wizard-31

This security group will be added to all network interfaces. The name can't be edited after the security group is created. Max length is 255 characters. Valid characters: a-z, A-Z, 0-9, spaces, and \_~!@#\$%^&{}[]

Description - required [Info](#)

launch-wizard-31 created 2022-12-07T06:40:17.909Z

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Type here to search PragmaEdge 12:10 07-12-2022

The screenshot shows the AWS EC2 Management Console interface. In the top navigation bar, the URL is https://ap-south-1.console.aws.amazon.com/ec2/home?region=ap-south-1#LaunchInstances:. The page displays two security group rules for a new instance:

- Security group rule 2 (All, All, 0.0.0.0/0)**:
  - Type: All traffic
  - Protocol: All
  - Port range: All
  - Source: Anywhere
  - Description: e.g. SSH for admin desktop
- Security group rule 1 (All, All, 0.0.0.0/0)**:
  - Type: All traffic
  - Protocol: All
  - Port range: All
  - Source: Anywhere
  - Description: e.g. SSH for admin desktop

A warning message at the bottom states: "⚠ 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." A "Remove" button is visible next to the second rule.

The screenshot shows the AWS EC2 Management Console interface. In the top navigation bar, the URL is https://ap-south-1.console.aws.amazon.com/ec2/home?region=ap-south-1#Instances:. The left sidebar shows the navigation menu with "Instances" selected. The main area displays the "Instances (1/5) Info" table:

Name	Instance ID	Instance state	Instance type	Status check	Alarm status
efs2	i-0b7ecdb4e87172dcb	Terminated	t2.micro	-	No alarms
public1	i-073ec5a9188f65beb	Pending	t2.micro	-	No alarms

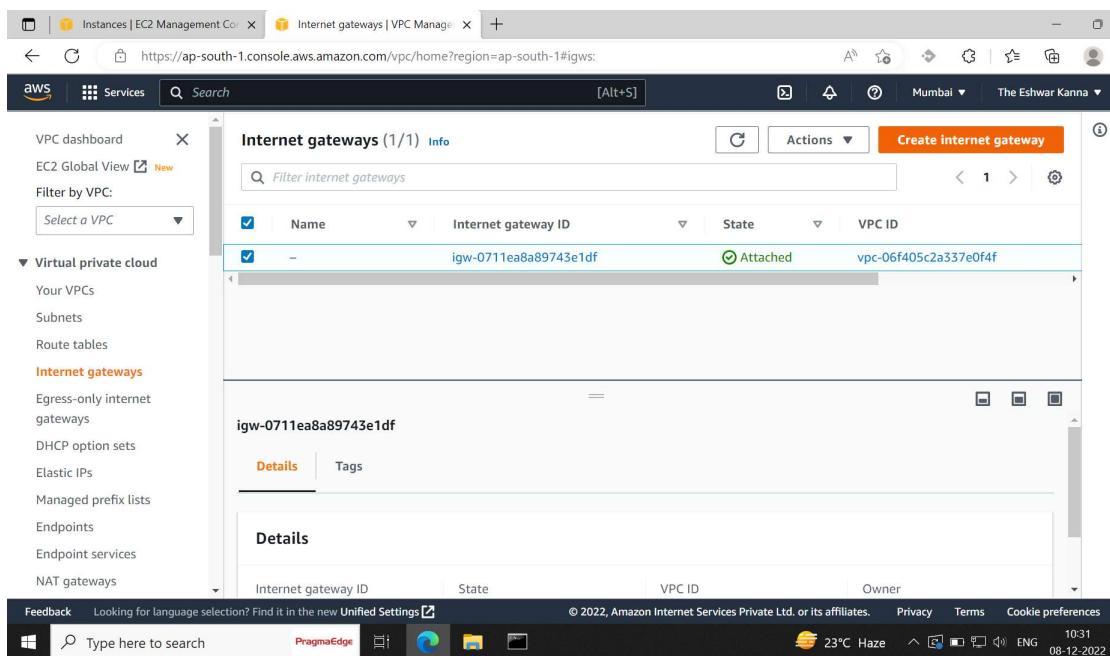
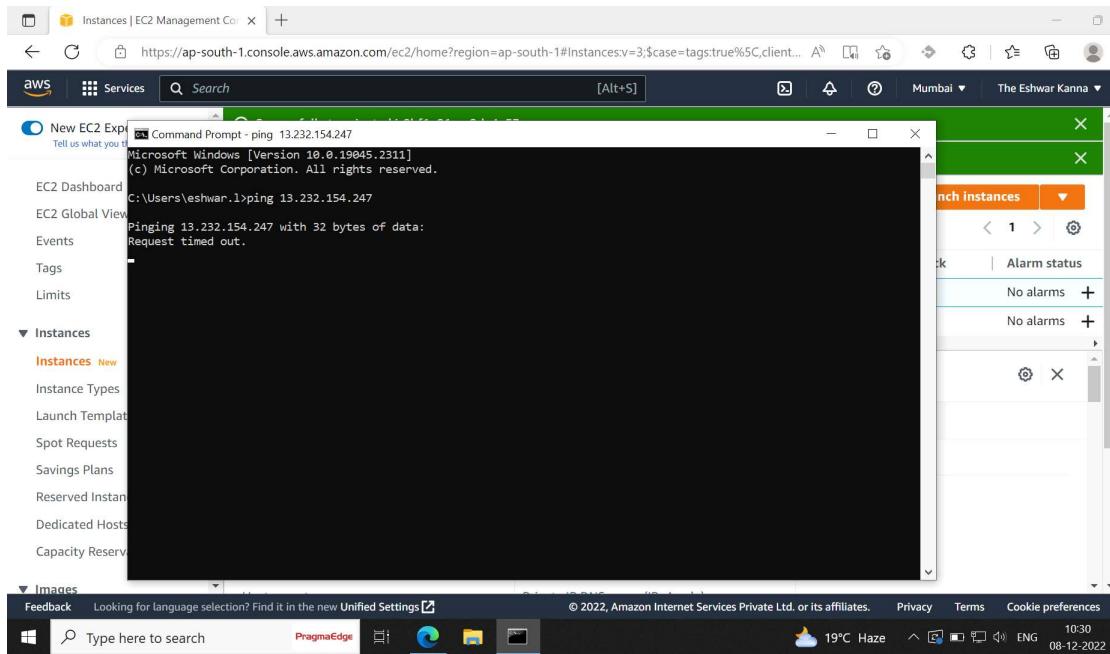
The "public1" instance is selected. The detailed view for this instance is shown below:

**Instance: i-073ec5a9188f65beb (public1)**

**Details** | Security | Networking | Storage | Status checks | Monitoring | Tags

**Instance summary**

Instance ID	Public IPv4 address	Private IPv4 addresses
i-073ec5a9188f65beb (public1)	3.109.181.178   open address	192.168.3.250
IPv6 address	Instance state	Public IPv4 DNS
-	Pending	-



Instances | EC2 Management Consoles | Create internet gateway | VPC Management Consoles

for the gateway below.

### Internet gateway settings

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

lwig

**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
Q Name	Q lwig

Add new tag

You can add 49 more tags.

Cancel **Create internet gateway**

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23°C Haze 10:32 08-12-2022

Instances | EC2 Management Consoles | Internet gateways | VPC Management Consoles

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

### Internet gateways (1/2) Info

Name	Internet gateway ID	State	Actions
igw-0711ea8a89743e1df	Attached	View details	
<b>lwig</b>	<b>igw-0afee0ff2dfc9c4e0</b>	<b>Detached</b>	<b>Create internet gateway</b>

igw-0afee0ff2dfc9c4e0 / lwig

Details Tags

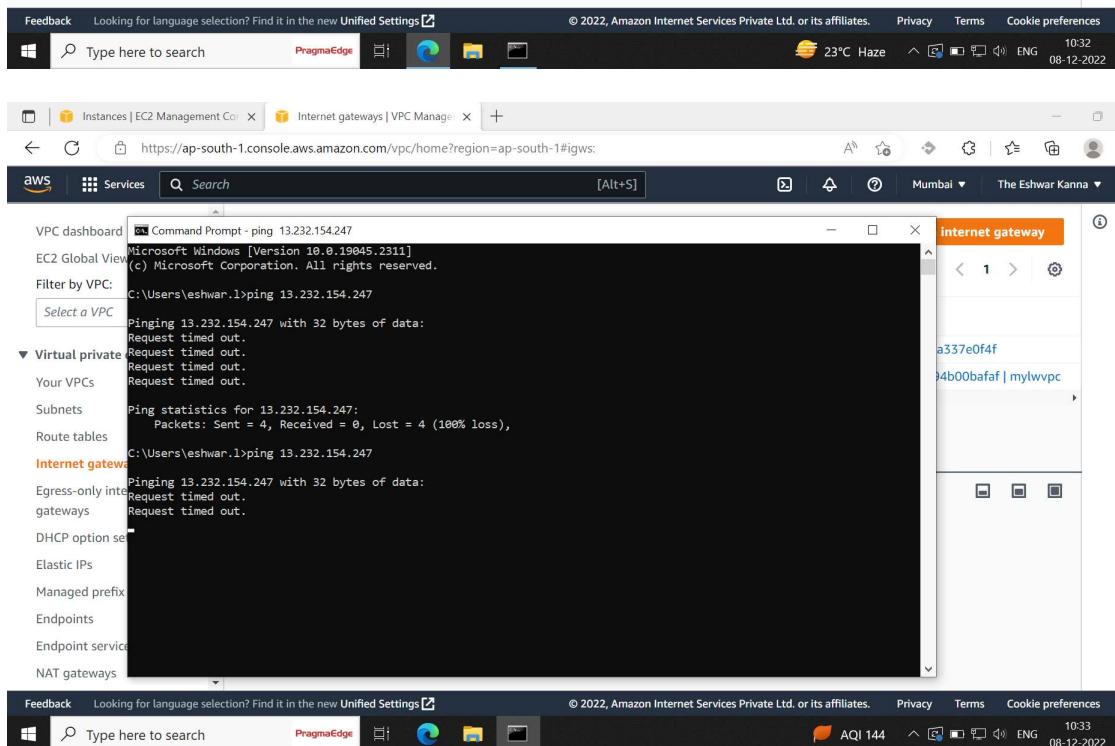
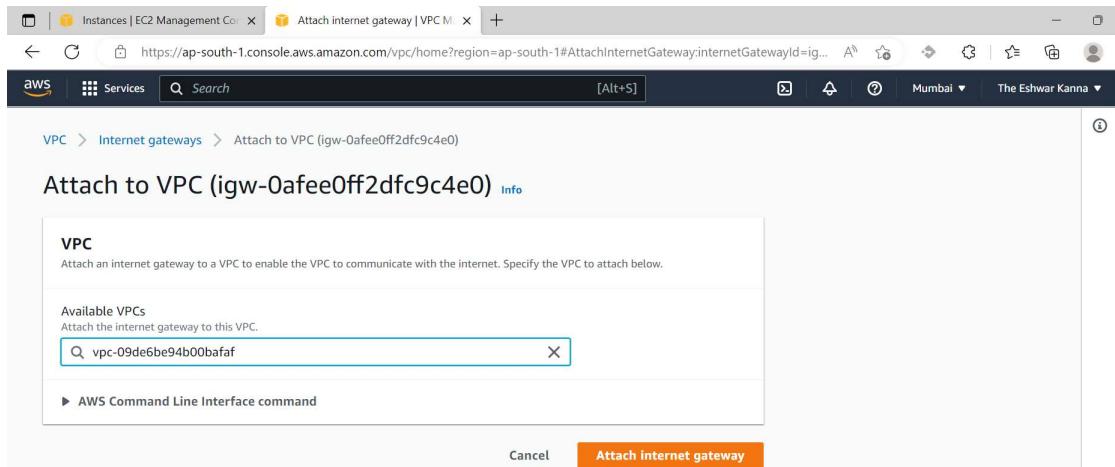
**Details**

Internet gateway ID	State	VPC ID	Owner
igw-0afee0ff2dfc9c4e0	Detached	vpc-0337e0f4f	The Eshwar Kannan

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The screenshot shows the AWS VPC Management Console with the URL <https://ap-south-1.console.aws.amazon.com/vpc/home?region=ap-south-1#RouteTables>. The left sidebar is expanded, showing the 'Route tables' section under 'Virtual private cloud'. The main area displays a table titled 'Route tables (4) Info' with columns: Name, Route table ID, Explicit subnet associat..., Edge associations, and Main. The table lists four route tables: 'rtb-02929fa0b1b0399bd' (Main Yes), 'rtb-056649d183d549142' (Main Yes), 'rtb-0fa8d3795ac147048' (Main Yes), and 'testrt' (Main No). A search bar at the top says 'Filter route tables'. Below the table is a section titled 'Select a route table'.

The screenshot shows the AWS VPC Management Console with the URL <https://ap-south-1.console.aws.amazon.com/vpc/home?region=ap-south-1#CreateRouteTable>. The left sidebar is collapsed. The main area has a title 'Route table settings'. It includes fields for 'Name - optional' (containing 'lwrt') and 'VPC' (containing 'vpc-09de6be94b00baf (mylwvpc)'). Below these are 'Tags' settings, which show a single tag 'Name: lwrt'. A note says 'You can add 49 more tags.' At the bottom right, there's a note about language selection and system status.

Screenshot of the AWS VPC Management Console showing the Route tables page. The left sidebar is expanded to show the 'Route tables' section under 'Virtual private cloud'. The main table lists five route tables:

Name	Route table ID	Explicit subnet associat...	Edge associations	Main
-	rtb-02929fa0b1b0399bd	-	-	Yes
-	rtb-056649d183d549142	-	-	Yes
<b>lwrt</b>	<b>rtb-0926fa598706f5866</b>	-	-	No
-	rtb-0fa8d3795ac147048	-	-	Yes
testrt	rtb-0f11be40df2600371	subnet-0e9fdbb0264c2...	-	No

The 'lwrt' route table is selected. Below it, the 'Routes' section shows one route:

Destination	Target	Status	Propagated
192.168.0.0/16	local	Active	No

Screenshot of the AWS VPC Management Console showing the 'Edit routes' page for the 'lwrt' route table. The 'Edit routes' section shows the current configuration:

Destination	Target	Status
192.168.0.0/16	local	Active

The 'Propagated' status is set to 'No'. Below this, the 'Edit routes' section shows a new route being added:

Destination	Target	Status
0.0.0.0/0	igw-0afee0ff2dfc9c4e0	-

The 'Propagated' status is set to 'No'. A 'Remove' button is visible at the bottom of this section.

Screenshot of the AWS VPC Management Console showing Route tables (1/5) Info page. The route table 'lwrt' is selected.

Name	Route table ID	Explicit subnet associat...	Edge associations	Main
-	rtb-02929fa0b1b0399bd	-	-	Yes
-	rtb-056649d183d549142	-	-	Yes
<b>lwrt</b>	<b>rtb-0926fa598706f5866</b>	-	-	No
-	rtb-0fa8d3795ac147048	-	-	Yes
testrt	rtb-0f11be40df2600371	subnet-0e9fdb0264c2...	-	No

Selected route table: rtb-0926fa598706f5866 / lwrt

Subnet associations tab is selected.

Explicit subnet associations (0)

Feedback: Looking for language selection? Find it in the new Unified Settings.

The screenshot shows the AWS VPC Management Console interface. At the top, there are tabs for 'Launch an instance | EC2 Manager' and 'VPC Management Console'. The URL is https://ap-south-1.console.aws.amazon.com/ec2/home?region=ap-south-1#LaunchInstances;. The main area displays two security group rules for an instance:

- Security group rule 1 (All, All, 0.0.0.0/0)**
  - Type: ssh
  - Protocol: TCP
  - Port range: 22
  - Source type: Anywhere
  - Description: e.g. SSH for admin desktop
- Security group rule 2 (All, All, 0.0.0.0/0)**
  - Type: All traffic
  - Protocol: All
  - Port range: All
  - Source type: Anywhere
  - Description: e.g. SSH for admin desktop

A warning message at the bottom states: "⚠ 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." There is a 'Remove' button next to the second rule.

The screenshot shows the 'Network settings' step of the AWS EC2 Launch Instance wizard. The search bar at the top contains 'windows'. The main section displays the following configuration:

- VPC - required**: A dropdown menu shows 'vpc-09de6be94b00bafaf (mylwvpc) 192.168.0.0/16'.
- Subnet**: A dropdown menu shows 'subnet-0a9d953e9dff7cf0 public-sub-1a'.
- Auto-assign public IP**: A dropdown menu shows 'Disable'.
- Firewall (security groups)**: A note says 'A security group is a set of firewall rules that control the traffic for your instance. Add rules to allow specific traffic to reach your instance.' Below it are two buttons: 'Create security group' (selected) and 'Select existing security group'.
- Security group name - required**: An input field is present.

At the bottom, there is a 'Feedback' link and a note about language selection. The status bar shows the date and time: 08-12-2022, 10:57.

The screenshot shows the AWS VPC Management Console interface. A new subnet is being created within a VPC. The subnet details are as follows:

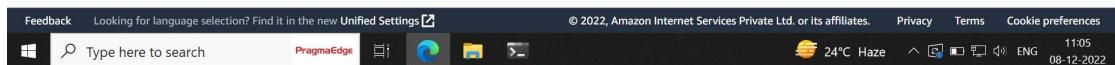
- VPC - required**: vpc-09de6be94b00bafaf (mylwvpc)
- Subnet Info**: subnet-0a9d953e9dff7cf0f, public-sub-1a
- Auto-assign public IP**: Enabled
- Security group name**: launch-wizard-37
- Description**: launch-wizard-37 created 2022-12-08T05:26:59.254Z

At the bottom, there is a feedback message: "Feedback Looking for language selection? Find it in the new Unified Settings". The status bar at the bottom right shows: 24°C Haze, ENG, 10:58, 08-12-2022.

The screenshot shows the AWS EC2 Instance Connect interface. A terminal session is open, displaying the output of the `ifconfig` command on an Amazon Linux 2 instance. The session details are:

- Instance ID: i-0de9a7ec46437de1f (public1a)
- Public IP: 15.206.28.199
- Private IP: 192.168.1.108

The terminal output shows network interface information for eth0 and lo. The status bar at the bottom right shows: 24°C Haze, ENG, 11:05, 08-12-2022.



```

https://aws.amazon.com/amazon-linux-2/
[ec2-user@ip-172-31-13-144 ~]$ ping 15.206.28.199
PING 15.206.28.199 (15.206.28.199) 56(84) bytes of data.
64 bytes from 15.206.28.199: icmp_seq=1 ttl=254 time=0.787 ms
64 bytes from 15.206.28.199: icmp_seq=2 ttl=254 time=0.732 ms
64 bytes from 15.206.28.199: icmp_seq=3 ttl=254 time=1.93 ms
64 bytes from 15.206.28.199: icmp_seq=4 ttl=254 time=0.833 ms
^C
--- 15.206.28.199 ping statistics ---
4 packets transmitted, 4 received, 0% packet loss, time 3055ms
rtt min/avg/max/mdev = 0.732/1.071/1.932/0.498 ms
[ec2-user@ip-172-31-13-144 ~]$ 

```

i-Off0bac64e413ceb2 (testing)

Public IPs: 43.204.238.28 Private IPs: 172.31.13.144

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AQI 142 11:05 08-12-2022

EC2 Management Console | EC2 Instance Connect | EC2 Instance Connect | VPC Management Console | +

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

windows aws services Search [Alt+S] Mumbai The Eshwar Kanna

Name and tags

Name  Add additional tags

▼ Application and OS Images (Amazon Machine Image)

An AMI is a template that contains the software configuration (operating system, application server, and applications) required to launch your instance. Search or Browse for AMIs if you don't see what you are looking for below

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AQI 142 11:06 08-12-2022

Screenshot of the AWS VPC Management Console showing the 'Edit subnet associations' page for a specific route table.

The 'Available subnets (2/4)' table lists four subnets:

Name	Subnet ID	IPv4 CIDR	IPv6 CIDR	Route table ID
private-sub-1b	subnet-0a29b79dc90752fa6	192.168.4.0/24	-	Main (rtb-02929fa0b1b0399b)
private-sub-1a	subnet-06e9cbc5750a3b5f0	192.168.3.0/24	-	Main (rtb-02929fa0b1b0399b)
<input checked="" type="checkbox"/> public-sub-1b	subnet-0905fd46e43290b9f	192.168.2.0/24	-	Main (rtb-02929fa0b1b0399b)
<input checked="" type="checkbox"/> public-sub-1a	subnet-0a9d953e0dff7cf0f	192.168.1.0/24	-	Main (rtb-02929fa0b1b0399b)

The 'Selected subnets' section shows the subnets selected for association:

- public-sub-1b
- public-sub-1a

Below this, the 'Network settings' configuration for launching instances includes:

- VPC: `vpc-09de6be94b00bafaf (mylwvpc)`
- Subnet: `subnet-06e9cbc5750a3b5f0` (`private-sub-1a`)
- Auto-assign public IP: `Enable`
- Firewall (security groups):
  - `Create security group` (selected)
  - `Select existing security group`
- Security group name: `launch-wizard-39`

The screenshot shows the AWS EC2 Instances page. The left sidebar includes links for EC2 Dashboard, Global View, Events, Tags, Limits, Instances (with sub-links for Instances, Instance Types, Launch Templates, Spot Requests, Savings Plans, Reserved Instances, Dedicated Hosts, Capacity Reservations), and Images. The main content area displays a table of instances:

Name	Instance ID	Instance state	Instance type	Status check	Alarm status
private1a	i-05b1f8c08893bf6f6	Running	t2.micro	Initializing	No alarms
testing	i-Off0bac64e413ceb2	Running	t2.micro	-	No alarms

Below the table, a detailed view for instance i-05b1f8c08893bf6f6 (private1a) is shown. The Details tab is selected, displaying the following information:

- Instance ID: i-05b1f8c08893bf6f6 (private1a)
- Public IPv4 address: 3.110.105.193 | open address
- Private IPv4 addresses: 192.168.3.132
- IPv6 address: -
- Instance state: Pending
- Public IPv4 DNS: -

The screenshot shows an EC2 Instance Connect session for instance i-Off0bac64e413ceb2. The terminal window displays the following command and its output:

```
https://aws.amazon.com/amazon-linux-2/
[ec2-user@ip-172-31-13-144 ~]$ ping 15.206.28.199
PING 15.206.28.199 (15.206.28.199) 56(84) bytes of data.
64 bytes from 15.206.28.199: icmp_seq=1 ttl=254 time=0.787 ms
64 bytes from 15.206.28.199: icmp_seq=2 ttl=254 time=0.732 ms
64 bytes from 15.206.28.199: icmp_seq=3 ttl=254 time=1.93 ms
64 bytes from 15.206.28.199: icmp_seq=4 ttl=254 time=0.833 ms
^C
--- 15.206.28.199 ping statistics ---
4 packets transmitted, 4 received, 0% packet loss, time 3055ms
rtt min/avg/max/mdev = 0.732/1.071/1.932/0.498 ms
[ec2-user@ip-172-31-13-144 ~]$ ping 3.110.105.193
PING 3.110.105.193 (3.110.105.193) 56(84) bytes of data.
```

The screenshot shows an EC2 Instance Connect session for instance i-Off0bac64e413ceb2. The terminal window displays the following command and its output:

```
i-Off0bac64e413ceb2 (testing)
PublicIPs: 43.204.238.28 PrivateIPs: 172.31.13.144
```

Screenshot of the AWS EC2 Management Console showing the Instances page. A single instance named 'private1a' (i-05b1f8c08893bf6f6) is listed as 'Running'. The instance summary shows a Public IPv4 address of 3.110.105.193 and a Private IPv4 address of 192.168.3.132.

Screenshot of the AWS EC2 Management Console showing the EC2 Instance Connect page. It displays an RSA private key for the instance i-0de9a7ec46437de1f. The key is as follows:

```

Uo0fEXF5+UyAQSI6oFshnTfhMUtG/UR3HFYt5k0n2mZVMXKNQEFPtdNaNr/uOZO
DUAdbsRvbZnqhbXua04bAYBU9an/014+nzILDeexAAGrpDc+Dj+rF052CxGgKH
r9wEVilA7ar64U2nw0FbFS3ipbCxqvfFDel13+07+nPBrh6v36JgrhwSxV1SeeS910
P7pAh5x/zwBTl4VxwCjgcadVe6cpJv2XYH3yuWeMpZLYPRz1SEvK011Ww+bACVUb
e90M8gkm66541cJhL19v0yaVLRR+HC9nH40seyYLnoFA4Mz1j1d6/4akBwSH+G
pRWayRkCgYEAvz28KEGkwG1IwH7iGupBXKD8xIN/euelh5stUuc41z1QHechAHG6Ux
lsasAvpD1D7IAvE4UUQt2AQRAi1w2+Flo6oGIH9dfkokC4z1NPD0QTOaw1lFVY6q7
zWx1KS8xosj47M1B4Pdtg8phPoWxvlZs51fCc1lBV2UH2zTVNBSr128CgYEAtSgg
Cq062NSLQPBThUyw++zr5TMUfg6fwa7fa0XGcJB+128Jcmcg15+d7lScy/b8r
Vf19BNOqdxOvcckAW/FCf4rxIOMf5GrNvaskOy1rL9xbd0CCOb5f7jZj8enqXc
v0Vkr1118D41jeGwgC7beMkaCQPvRVA55BqvEVUCgYAhvIDmwyxvfdp0
guflJLw5bwFylI+isp/revom+8XNlofF8E8qQKkPy'ds5UPG7v2kkK70gzIO+Nos/6
EslWiFsmUoONZjNUv1gRt1hFDL9CijHHjgfisVKGx924jGlgZjMzL+TaPtC77Z30
BKQheibm71iYvsJQjtXbFCQRBgQc1108/BnR1kJoxxWR/WnxFpYjQ/Et+Pw9q13EqA
z8u7010r4pqVORLehv6FOOUs3tZB4wbRCmMjIgwlPgYGGlijpuYy8Q1REjnxUcl
kktmswJMyfu0u01Q1f6xDpUNhvbfwd01f/z/UNTY8sxAJbwtag3gaKhMsigsx
U8sBmQkBgFdK117Kx/m3zJszKIVY03a1MQuh5FRs91w+38cqzkzHRnYCSU8iqMQt
+nfZejuTaR5jhqCPTwJECs/E3rdjxbMj1k1Xz05/EEVV1lQMnuDGDrBCCjEnOJr
vfSwKNJiFu/4AlJrQ/FV8Driai0T5pnl/ko5nC7EwzshZparNX+yo
----END RSA PRIVATE KEY----
"mykey" 27L, 1681B

```

Screenshot of a Windows taskbar showing the copied RSA private key. The key is as follows:

```

i-0de9a7ec46437de1f (public1a)
PublicIPs: 15.206.28.199 PrivateIPs: 192.168.1.108

```

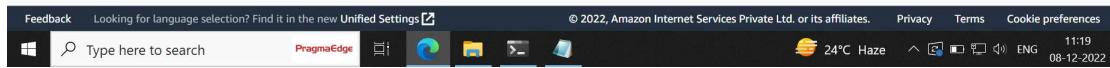
```

3 packets transmitted, 3 received, 0% packet loss, time 2003ms
rtt min/avg/max/mdev = 1.890/1.934/1.964/0.060 ms
[ec2-user@ip-192-168-1-108 ~]$ ls
mykey
[ec2-user@ip-192-168-1-108 ~]$ ssh -l ec2-user -i mykey 192.168.3.132
The authenticity of host '192.168.3.132' (192.168.3.132) can't be established.
ECDSA key fingerprint is SHA256:9B/Vg2xcSh3wZwaQ0/Ya09ewm29sh/iYujK7/Azhs.
ECDSA key fingerprint is MD5:40:54:4d:ea:c1:ca:a8:ff:39:2c:db:94:31:99:21:14.
Are you sure you want to continue connecting (yes/no)? yes
Warning: Permanently added '192.168.3.132' (ECDSA) to the list of known hosts.
=====WARNING: UNPROTECTED PRIVATE KEY FILE!=====
Permissions 0644 for 'mykey' are too open.
It is required that your private key files are NOT accessible by others.
This private key will be ignored.
Load key "mykey": bad permissions
Permission denied (publickey,gssapi-keyex,gssapi-with-mic).
[ec2-user@ip-192-168-1-108 ~]$ vi mykey
[ec2-user@ip-192-168-1-108 ~]$ chmod 400 mykey
[ec2-user@ip-192-168-1-108 ~]$ 

```

i-0de9a7ec46437de1f (public1a)

PublicIPs: 15.206.28.199 PrivateIPs: 192.168.1.108



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24°C Haze 11:19 08-12-2022

EC2 Management Console VPC Management Console

Type here to search PragmaEdge

nat

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25°C Haze 11:44 08-12-2022

The screenshot shows the AWS VPC Management Console with the URL <https://ap-south-1.console.aws.amazon.com/vpc/home?region=ap-south-1#NatGateways:search=vpc-09de6be94b00bafaf>. The left sidebar under 'Virtual private cloud' has 'NAT gateways' selected. The main area displays a table titled 'NAT gateways' with columns: Name, NAT gateway ID, Connectivity..., State, and State message. A search bar at the top shows 'search: vpc-09de6be94b00bafaf'. An orange 'Create NAT gateway' button is visible at the top right.

The screenshot shows the 'Create NAT gateway' wizard in the AWS VPC Management Console. The first step, 'Select a NAT gateway', is displayed. A dropdown menu lists several subnets: 'subnet-06627872efa2c6abc (two) ap-south-1b', 'subnet-07189b6fe82ff443a ap-south-1a', 'subnet-0a9d953e9dff7cf0f (public-sub-1a) ap-south-1a', 'subnet-0905fd46e43290b9f (public-sub-1b) ap-south-1b', and 'subnet-0905fd46e43290b9f (public-sub-1b)'. Below the dropdown, the 'Connectivity type' section is shown with 'Public' selected. The 'Elastic IP allocation ID' section includes a dropdown menu 'Select an Elastic IP' and a 'Allocate Elastic IP' button. The bottom of the screen shows the Windows taskbar and system tray.

The screenshot shows the AWS VPC Management Console interface. The user is creating a new NAT gateway. In the 'Connectivity type' section, 'Public' is selected. There is no available Elastic IP allocation ID, so the 'Allocate Elastic IP' button is disabled. Under the 'Tags' section, a single tag 'mylnat' is added. The status bar at the bottom indicates it's 11:50 on 08-12-2022.

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25°C Haze 11:50 08-12-2022

The screenshot shows the AWS VPC Management Console interface. The user is creating a new route table. In the 'Route table settings' section, the name 'my-route-table-01' is specified, and the VPC dropdown is set to 'Select a VPC'. The status bar at the bottom indicates it's 11:58 on 08-12-2022.

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**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="mtrformat"/>

**Add new tag**  
You can add 49 more tags.

**Route tables (1/3)**

Filter route tables:  Actions **Create route table**

Name	Route table ID	Explicit subnet associations	Edge associations	Main
rtb-02929fa0b1b0399bd	-	-	-	Yes
<input checked="" type="checkbox"/> mtrformat	rtb-02e9263799c4226cf	-	-	No
mylwrt	rtb-0dd8f17b96f8a5d4e	2 subnets	-	No

**Routes (1)**

Destination Target Status Pronounced

Destination	Target	Status	Pronounced
Both			

The screenshot shows the AWS VPC Management Console with the URL <https://ap-south-1.console.aws.amazon.com/vpc/home?region=ap-south-1#EditRoutes:RouteTableId=rtb-02e9263799c4226cf>. The page title is "Edit routes". On the left, there are two sections: "Edit routes" and "Edit routes". The first section has "Destination" set to "192.168.0.0/16" and "Propagated" set to "No". The second section has "Destination" set to "0.0.0.0/0" and "Propagated" set to "No". To the right, a list of destination types is shown, with "NAT Gateway" selected. A status bar indicates "Status: Active". At the bottom, there is a feedback message: "Feedback Looking for language selection? Find it in the new Unified Settings [?]". The footer includes links for Privacy, Terms, and Cookie preferences, along with system information: 25°C Haze, ENG, 11:58, 08-12-2022.

The screenshot shows the AWS VPC Management Console with the URL <https://ap-south-1.console.aws.amazon.com/vpc/home?region=ap-south-1#RouteTableDetails:RouteTableId=rtb-02e9263799c4226cf>. A green notification bar at the top says "Updated routes for rtb-02e9263799c4226cf / mtrformat successfully". The main area shows the "Subnet associations" tab for the route table. It displays a table with columns: Subnet ID, IPv4 CIDR, and IPv6 CIDR. The table is currently empty, showing "No subnet associations". Below the table, a section titled "Subnets without explicit associations (2)" lists subnets associated with the main route table. The footer includes links for Privacy, Terms, and Cookie preferences, along with system information: 25°C Haze, ENG, 12:00, 08-12-2022.

The screenshot shows the AWS VPC Management Console interface. At the top, there are tabs for Instances | EC2 Management Console, EC2 Instance Connect, and VPC Management Console. The URL in the address bar is https://ap-south-1.console.aws.amazon.com/vpc/home?region=ap-south-1#EditRouteTableSubnetAssociations:RouteTable... . The main content area is titled "Available subnets (1/4)". A table lists four subnets:

Name	Subnet ID	IPv4 CIDR	IPv6 CIDR	Route table ID
private-sub-1b	subnet-0a29b79dc90752fa6	192.168.4.0/24	-	Main (rtb-02929fa0b1b0399b)
<input checked="" type="checkbox"/> private-sub-1a	subnet-06e9cbc5750a3b5f0	192.168.3.0/24	-	Main (rtb-02929fa0b1b0399b)
public-sub-1b	subnet-0905fd46e43290b9f	192.168.2.0/24	-	rtb-0dd8f17b96f8a5d4e / myl
public-sub-1a	subnet-0a9d953e9dff7cf0f	192.168.1.0/24	-	rtb-0dd8f17b96f8a5d4e / myl

Below the table, a section titled "Selected subnets" contains the selected subnet: "subnet-06e9cbc5750a3b5f0 / private-sub-1a". At the bottom right are "Cancel" and "Save associations" buttons.

