

Amazon Workflow

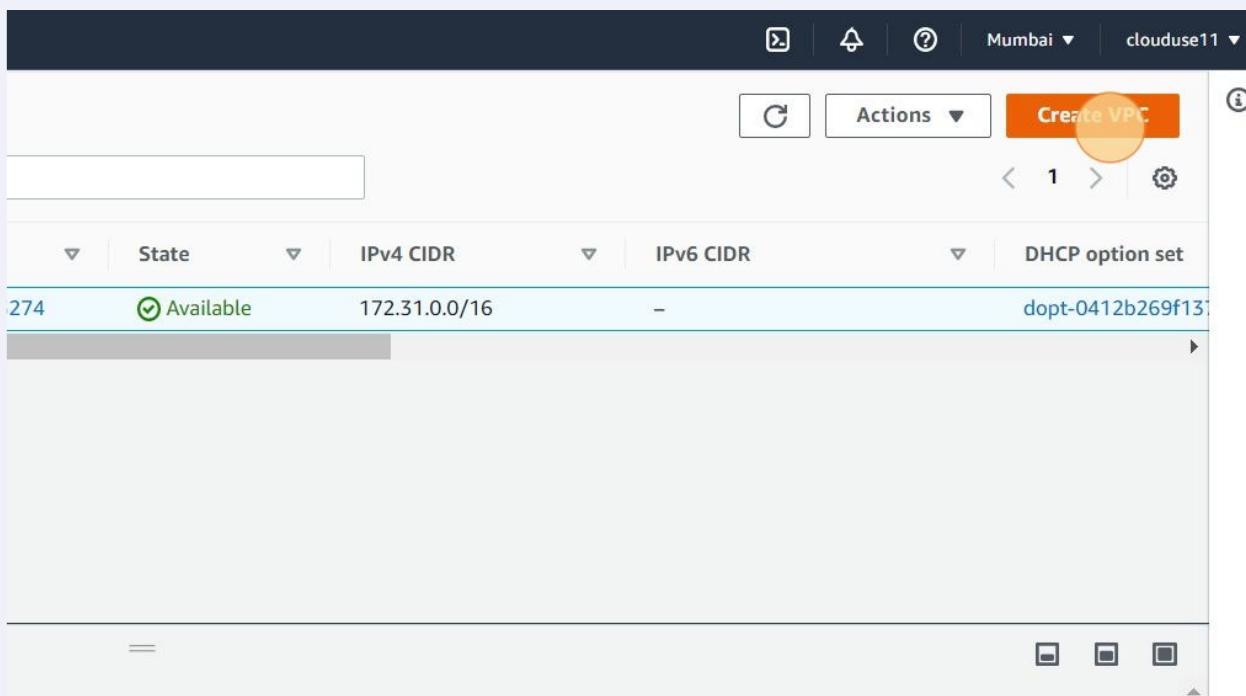
Scribe 

1

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

2

Click "Create VPC"



3

Type "my_VPC"

4 Click the "IPv4 CIDR" field.

VPC only VPC and more

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

IPv4 CIDR block [Info](#)
 IPv4 CIDR manual input
 IPAM-allocated IPv4 CIDR block

IPv4 CIDR

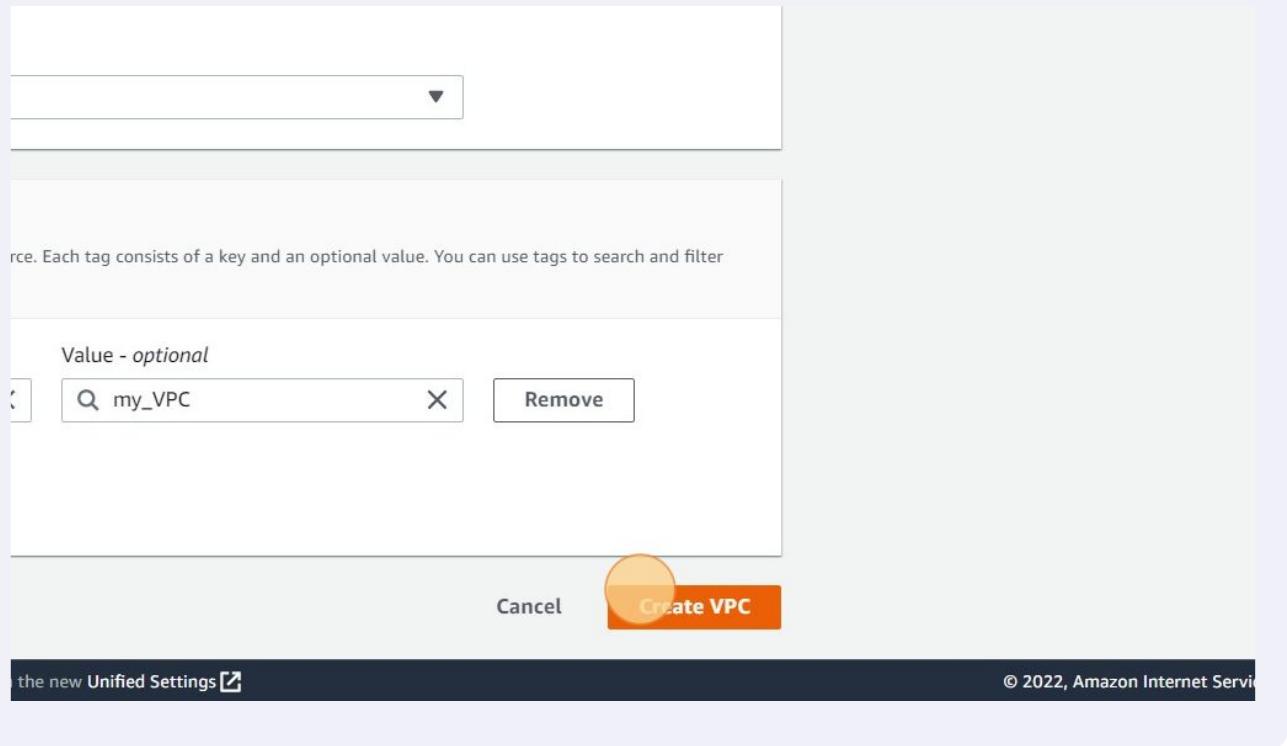
IPv6 CIDR block [Info](#)
 No IPv6 CIDR block
 IPAM-allocated IPv6 CIDR block
 Amazon-provided IPv6 CIDR block

Pv6 CIDR owned by me

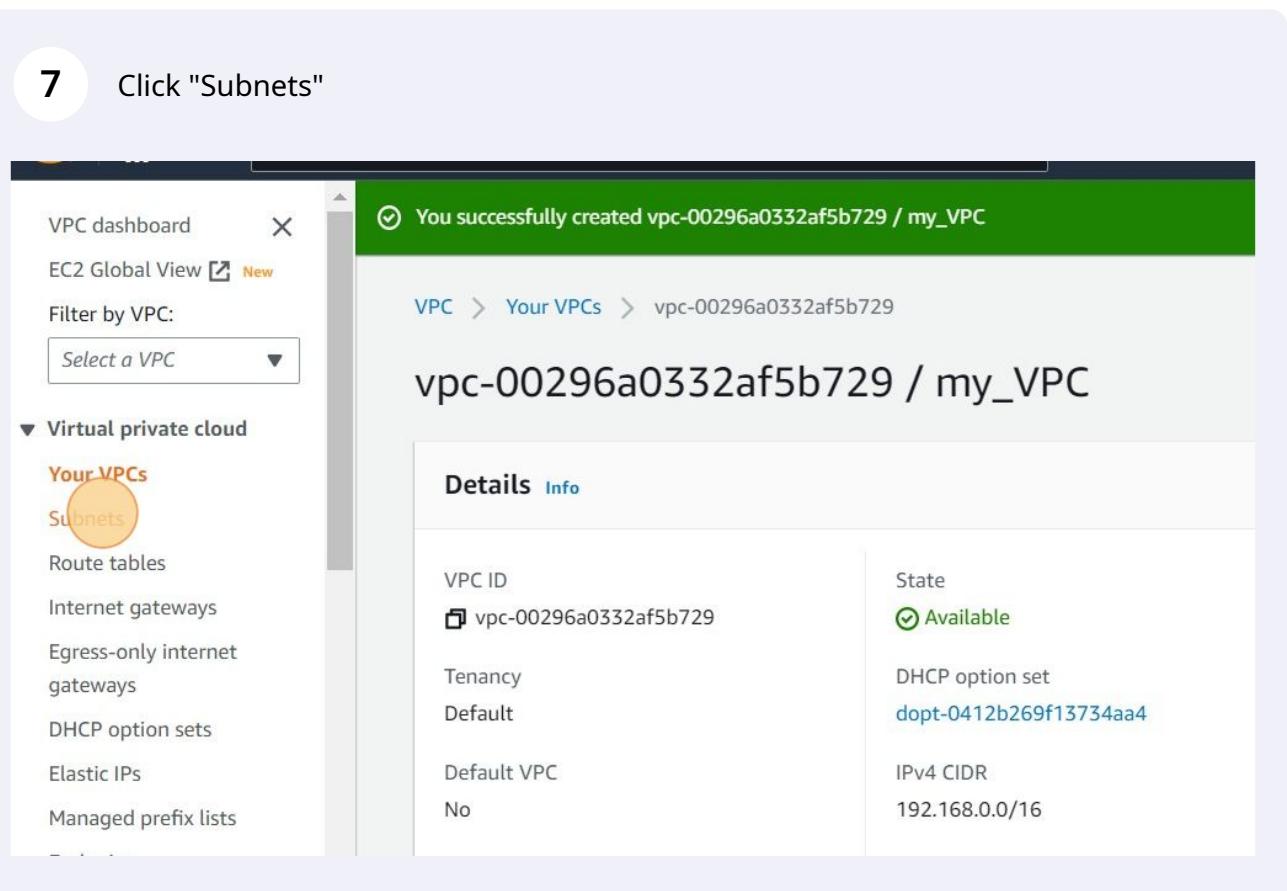
[Feedback](#) Looking for language selection? Find it in the new [Unified Settings](#)

5 Type "192.168.0.0/16"

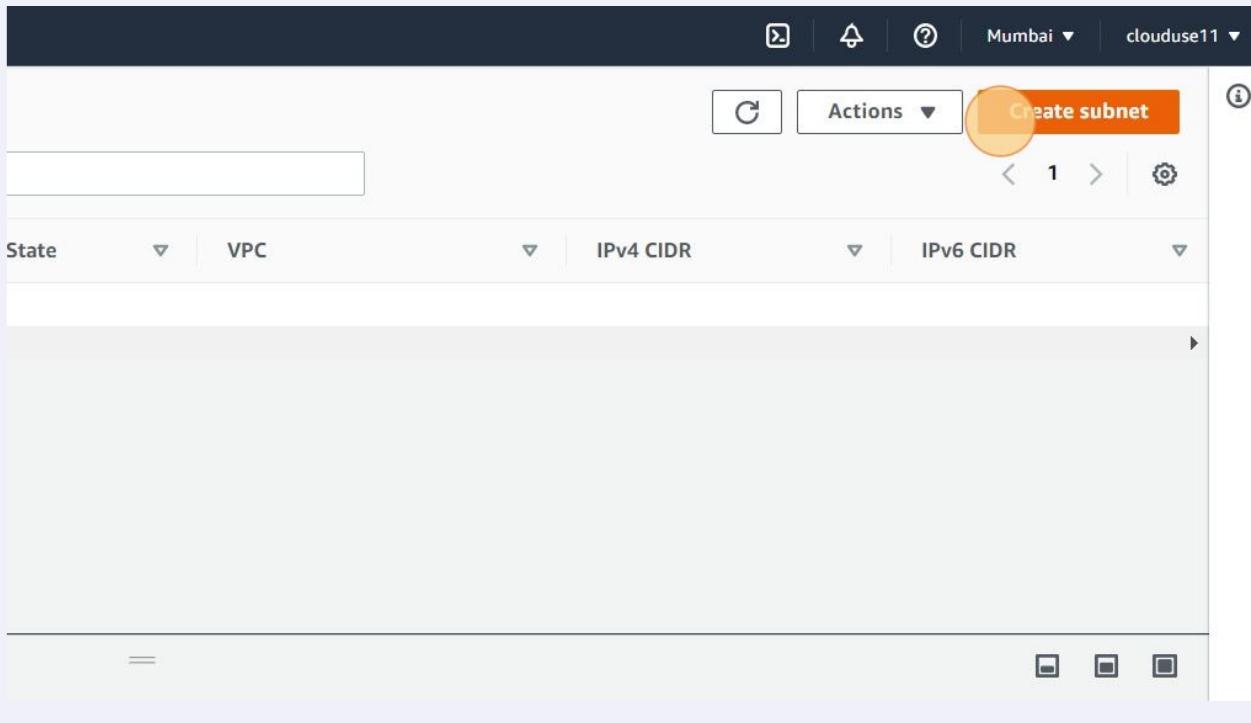
6 Click "Create VPC"



7 Click "Subnets"



8 Click "Create subnet"



9 Click "Select a VPC"

VPC > Subnets > Create subnet

Create subnet Info

VPC

VPC ID

Create subnets in this VPC.

Select a VPC

Subnet settings

Specify the CIDR blocks and Availability Zone for the subnet.

Select a VPC first to create new subnets.

Add new subnet

- 10 Click "vpc-00296a0332af5b729 (my_VPC)"

VPC

VPC ID
Create subnets in this VPC.

Select a VPC

|

VPC ID	CIDR Range	Status
vpc-0a9f88fbc206a3274	172.31.0.0/16	(default)
vpc-00296a0332af5b729 (my_VPC)	192.168.0.0/16	

Select a VPC first to create new subnets.

[Add new subnet](#)

[Cancel](#) [Create subnet](#)

- 11 Click the "Subnet name" field.

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.

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

▼ Tags - optional

12 Type "Public Subnet"

13 Click "No preference"

Subnet 1 of 1

Subnet name

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

Public Subnet

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.

No preference

IPv4 CIDR block [Info](#)

10.0.0.0/24

▼ Tags - optional

Key

Value - optional

Name

Public Subnet

Remove

Add new tag

14 Click "ap-south-1a"

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

Public Subnet

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.

No preference



No preference

Asia Pacific (Mumbai) / ap-south-1a
ID: aps1-az1 Network border group: ap-south-1

ap-south-1

Asia Pacific (Mumbai) / ap-south-1b
ID: aps1-az3 Network border group: ap-south-1

ap-south-1

Asia Pacific (Mumbai) / ap-south-1c
ID: aps1-az2 Network border group: ap-south-1

ap-south-1

[Remove](#)

[Add new tag](#)

You can add 49 more tags.

[Remove](#)

15 Click the "IPv4 CIDR block" field.

Subnet name

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

Public Subnet

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](#)

10.0.0.0/24



▼ Tags - optional

Key

Name

Value - optional

Public Subnet



[Remove](#)

[Add new tag](#)

You can add 49 more tags.

[Remove](#)

16 Type "192.168.1.0/24"

17 Click here.

Public Subnet

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](#)

192.168.1.0/24 X

192.168.1.0/24 X

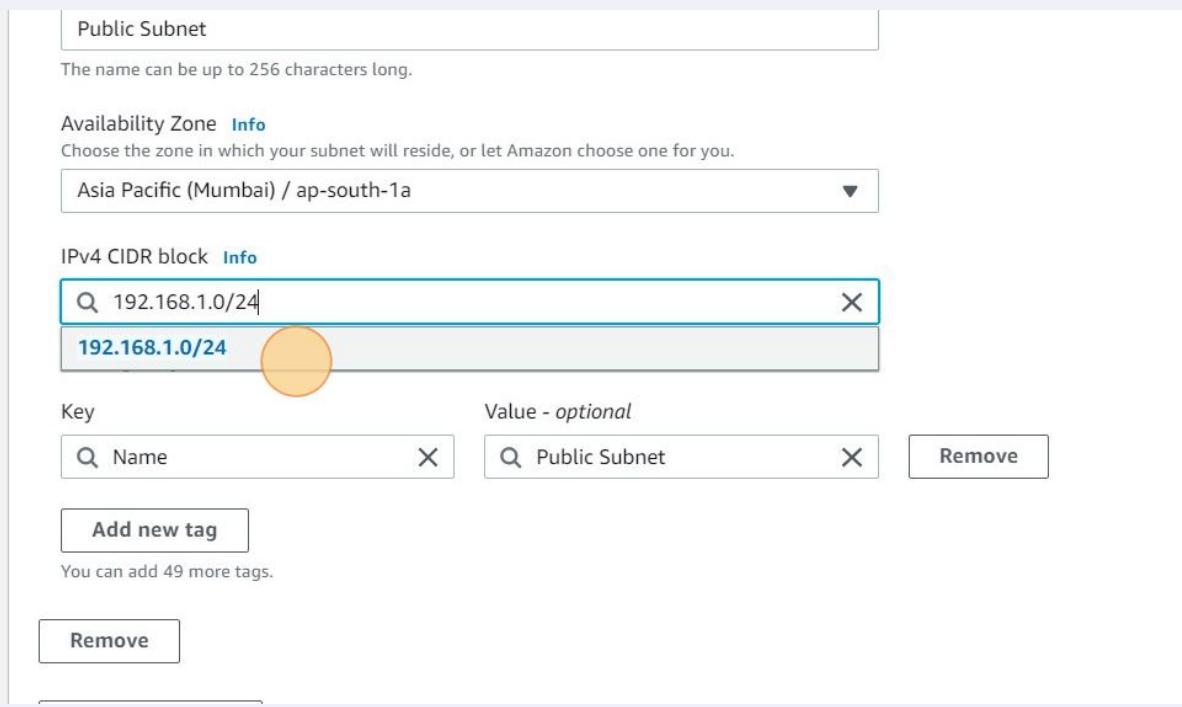
Key Value - optional

Name Public Subnet X Remove

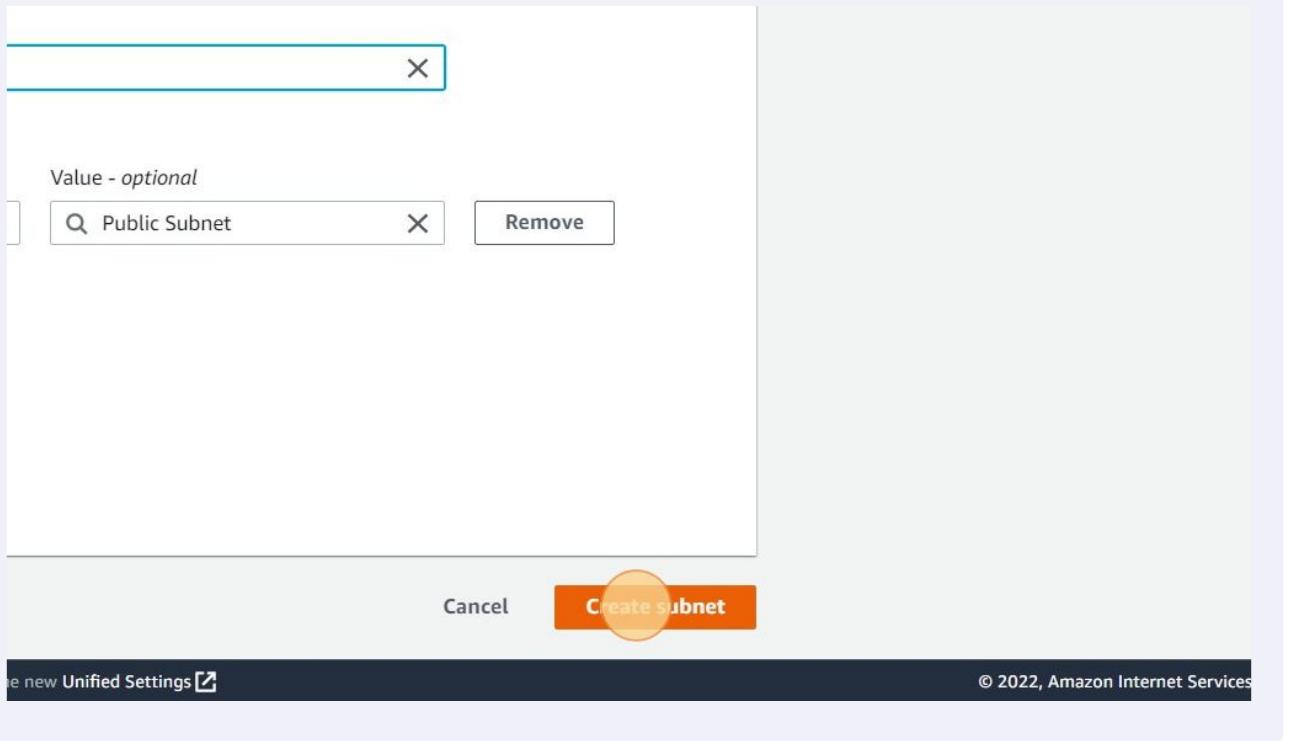
Add new tag

You can add 49 more tags.

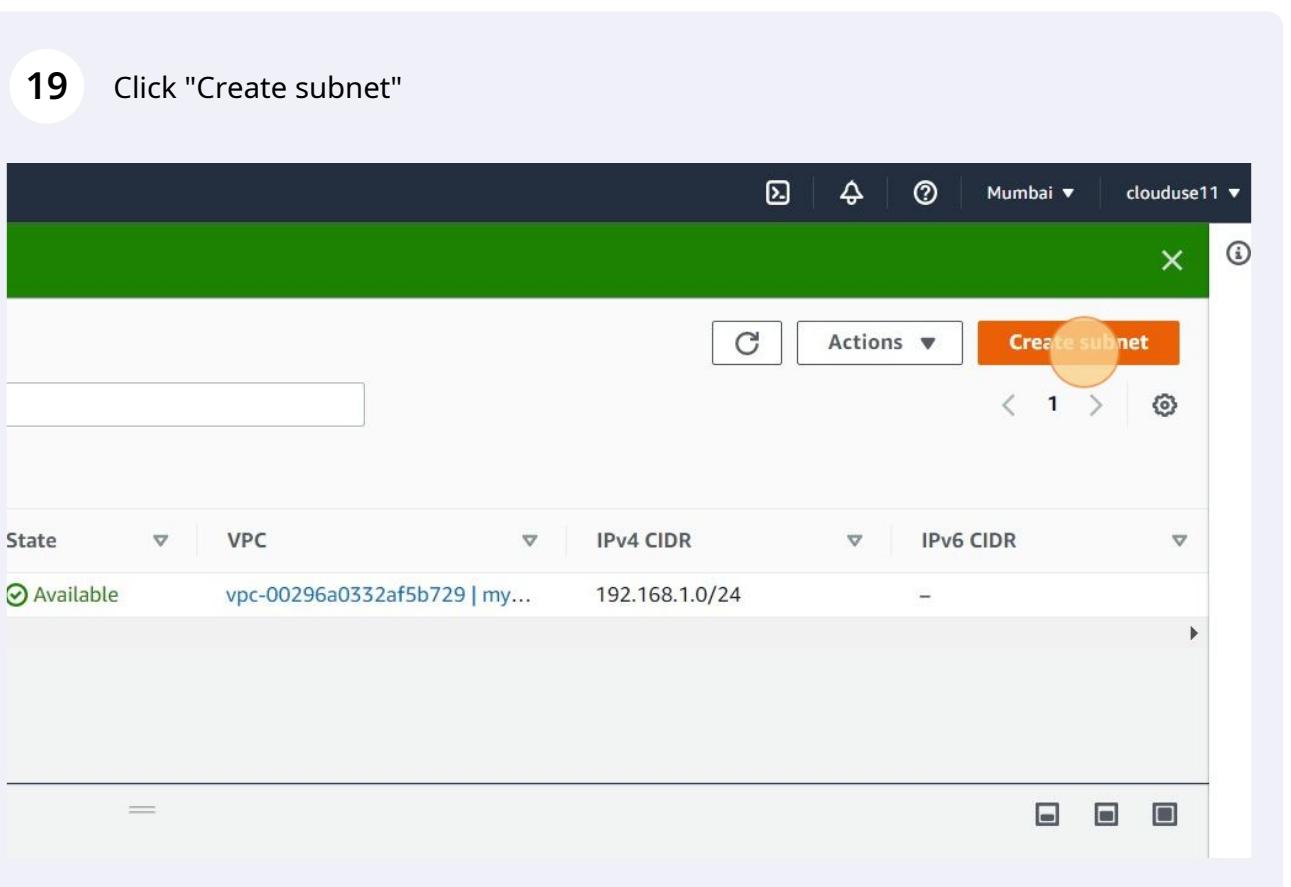
Remove



18 Click "Create subnet"



19 Click "Create subnet"



20 Click "Select a VPC"

VPC > Subnets > Create subnet

Create subnet Info

VPC

VPC ID

Create subnets in this VPC.

Select a VPC



Subnet settings

Specify the CIDR blocks and Availability Zone for the subnet.

Select a VPC first to create new subnets.

Add new subnet

21 Click "vpc-00296a0332af5b729 (my_VPC)"

VPC

VPC ID

Create subnets in this VPC.

Select a VPC



vpc-0a9f88fbc206a3274

172.31.0.0/16

(default)

vpc-00296a0332af5b729 (my_VPC)

192.168.0.0/16

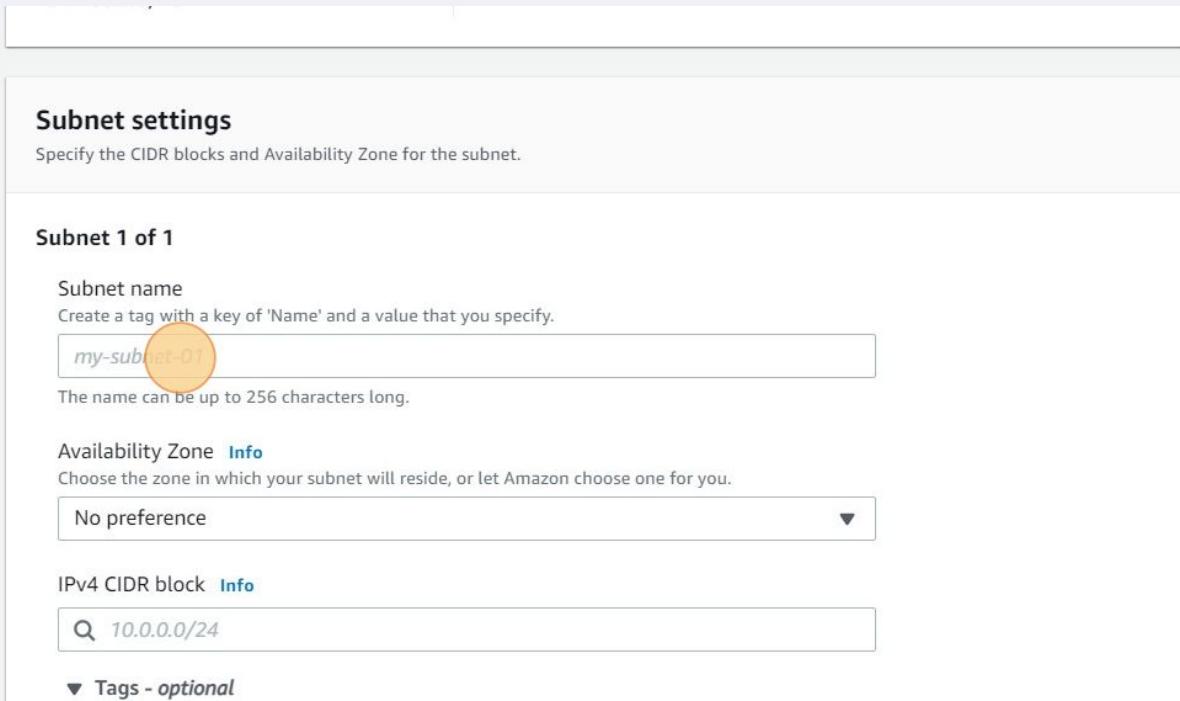
Select a VPC first to create new subnets.

Add new subnet

Cancel

Create subnet

22 Click the "Subnet name" field.



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.
 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](#)

▼ Tags - optional

23 Type "Private Subnet"

24 Click "No preference"

Subnet 1 of 1

Subnet name

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

Private Subnet

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.

No preference



IPv4 CIDR block [Info](#)

10.0.0.0/24

▼ Tags - optional

Key

Name

Value - optional

Private Subnet



Remove

Add new tag

25 Click "Asia Pacific (Mumbai) / ap-south-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.

No preference



No preference

Asia Pacific (Mumbai) / ap-south-1a

ap-south-1

ID: aps1-az1 Network border group: ap-south-1

Asia Pacific (Mumbai) / ap-south-1b

ap-south-1

ID: aps1-az3 Network border group: ap-south-1

Asia Pacific (Mumbai) / ap-south-1c

ap-south-1

ID: aps1-az2 Network border group: ap-south-1

Remove

Add new tag

You can add 49 more tags.

Remove

Feedback

Looking for language selection? Find it in the new [Unified Settings](#)

26 Click the "IPv4 CIDR blockInfo" field.

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

Private Subnet

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](#)

10.0.0.0/24



▼ Tags - optional

Key

Name

Value - optional

Private Subnet



Remove

Add new tag

You can add 49 more tags.

Remove

27 Type "192.168.2.0/24"

28 Click here.

Private Subnet

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](#)

192.168.2.0/24 X
192.168.2.0/24

Key Value - optional

Name Private Subnet X Remove

Add new tag

You can add 49 more tags.

Remove

29 Click "Create subnet"

X

Value - optional

Private Subnet X Remove

Cancel Create subnet

30 Click here.

The screenshot shows the AWS Subnets page. At the top, a green success message says "You have successfully created 1 subnet: subnet-0a661dc6062dcde8e". Below it, a table lists one subnet:

Name	Subnet ID	State	VPC
Private Subnet	subnet-0a661dc6062dcde8e	Available	vpc-00296

At the bottom, there is a "Select a subnet" button.

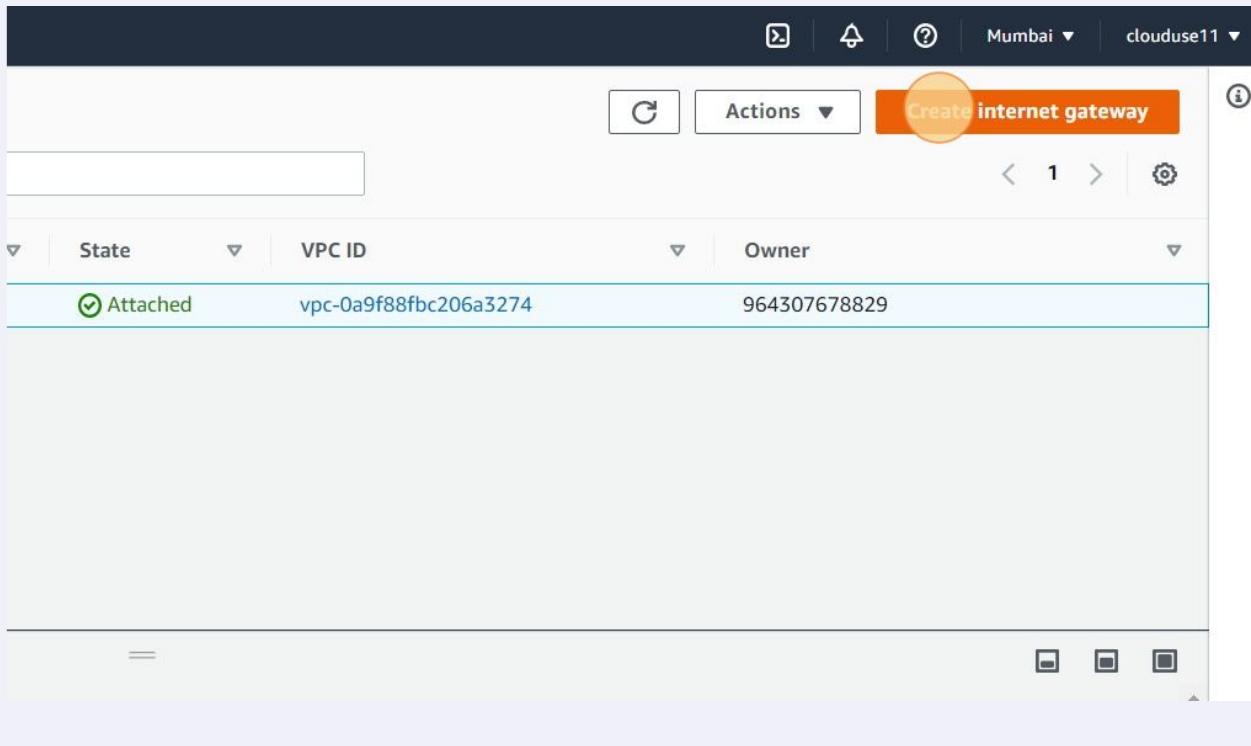
31 Click "Internet gateways"

The screenshot shows the EC2 Global View page. On the left, a sidebar lists various VPC components, with "Internet gateways" highlighted by a yellow circle. The main area shows the Subnets section with two subnets listed:

Name	Subnet ID	State
Private Subnet	subnet-0a661dc6062dcde8e	Available
Public Subnet	subnet-01d388761a961b34b	Available

At the bottom, there is a "Select a subnet" button.

32 Click "Create internet gateway"



33 Click the "Name tag" field.

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.

No tags associated with the resource.

[Add new tag](#)

34 Type "my_internet_gateway"

35 Click "Create internet gateway"

you specify.

Each tag consists of a key and an optional value. You can use tags to search and filter

Value - *optional*

my_internet_gateway



Remove

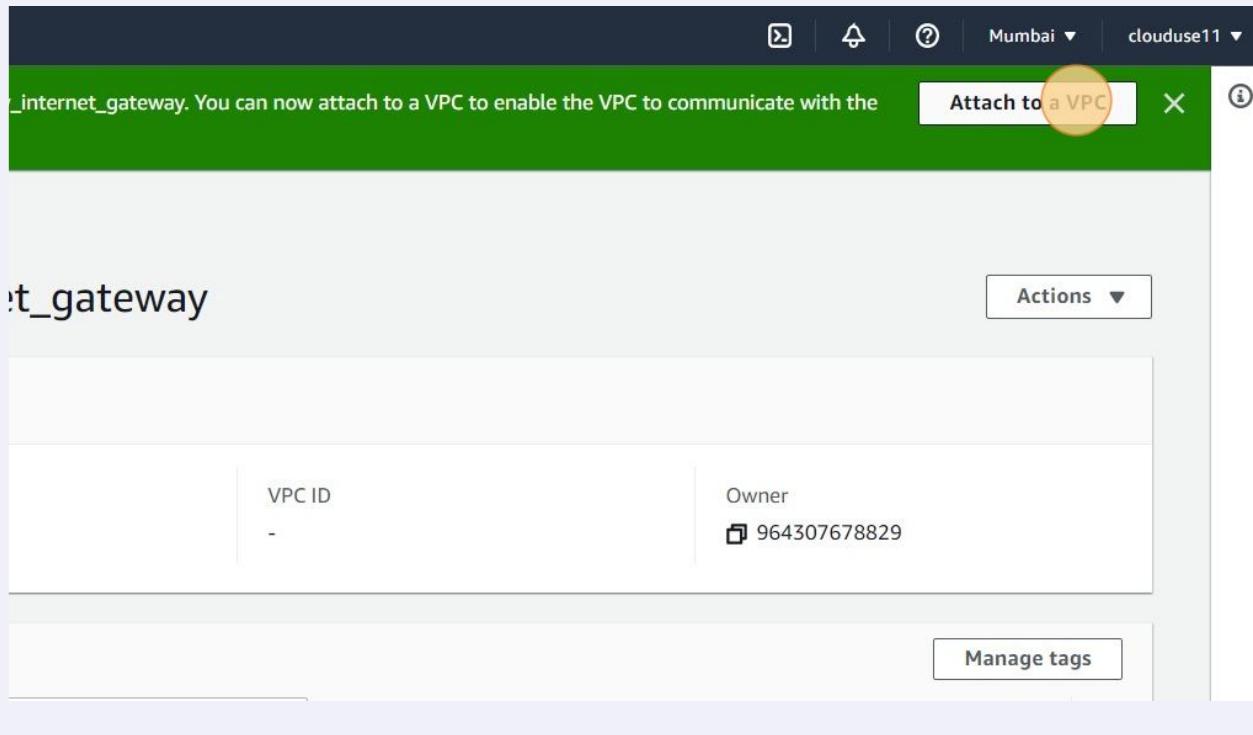
Cancel



[See new Unified Settings](#) 

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36 Click "Attach to a VPC"



37 Click the "Available VPCs" field.

VPC / Internet gateways / Attach to VPC (igw-04c3ffd2f810c2fac)

Attach to VPC (igw-04c3ffd2f810c2fac) 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.

Select a VPC

▶ AWS Command Line Interface command

Cancel

Attach internet gateway

38 Click "vpc-00296a0332af5b729 - my_VPC"

Attach to VPC (igw-04c3ffd2f810c2fac) 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.

 Select a VPC

vpc-00296a0332af5b729 - my_VPC

▶ AWS Command Line Interface command

Cancel

Attach internet gateway

39 Click "Attach internet gateway"

ile the VPC to communicate with the internet. Specify the VPC to attach below.

X

mand

Cancel

Attach internet gateway

40 Click "Route tables"

The screenshot shows the AWS VPC dashboard. On the left, there's a sidebar with options like 'Your VPCs', 'Subnets', 'Route tables' (which is highlighted with a yellow circle), 'Internet gateways' (also highlighted with a yellow circle), 'Egress-only internet gateways', 'DHCP option sets', 'Elastic IPs', 'Managed prefix lists', 'Endpoints', and 'Endpoint services'. The main panel shows a success message: 'Internet gateway igw-04c3ffd2f810c2fac successfully attached to vpc-00296a0332af5b72'. Below this, the path is 'VPC > Internet gateways > igw-04c3ffd2f810c2fac'. The title is 'igw-04c3ffd2f810c2fac / my_internet_gateway'. There are two tabs: 'Details' (selected) and 'Info'. Under 'Details', it shows the Internet gateway ID as 'igw-04c3ffd2f810c2fac' and the state as 'Attached'. Under 'Tags', there is one tag named 'Name' with the value 'my_internet_gateway'.

41 Click "Create route table"

The screenshot shows the AWS Route Tables page. At the top right, there are buttons for 'Actions' (with a dropdown arrow), 'Create route table' (highlighted with a yellow circle), and other account information. Below this is a search bar and a table header with columns: 'Explicit subnet associations', 'Edge associations', 'Main', 'VPC', and 'Owner ID'. The table contains two rows of data:

Explicit subnet associations	Edge associations	Main	VPC	Owner ID
-	Yes	>Main	vpc-0a9f88fb206a3274	964307678...
-	Yes	Not Main	vpc-00296a0332af5b729 my_internet_gateway	964307678...

42 Type "my_routing_table"

43 Click "Select a VPC"

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*



44 Click "vpc-00296a0332af5b729 (my_VPC)"

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.

Select a VPC

|

vpc-0a9f88fbcc206a3274	(default)
vpn-00296a0332af5b729 (my_VPC)	

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"/> Name	<input type="text"/> my_routing_table

Add new tag

You can add 49 more tags.

45 Click "Create route table"

source. Each tag consists of a key and an optional value. You can use tags to search and filter

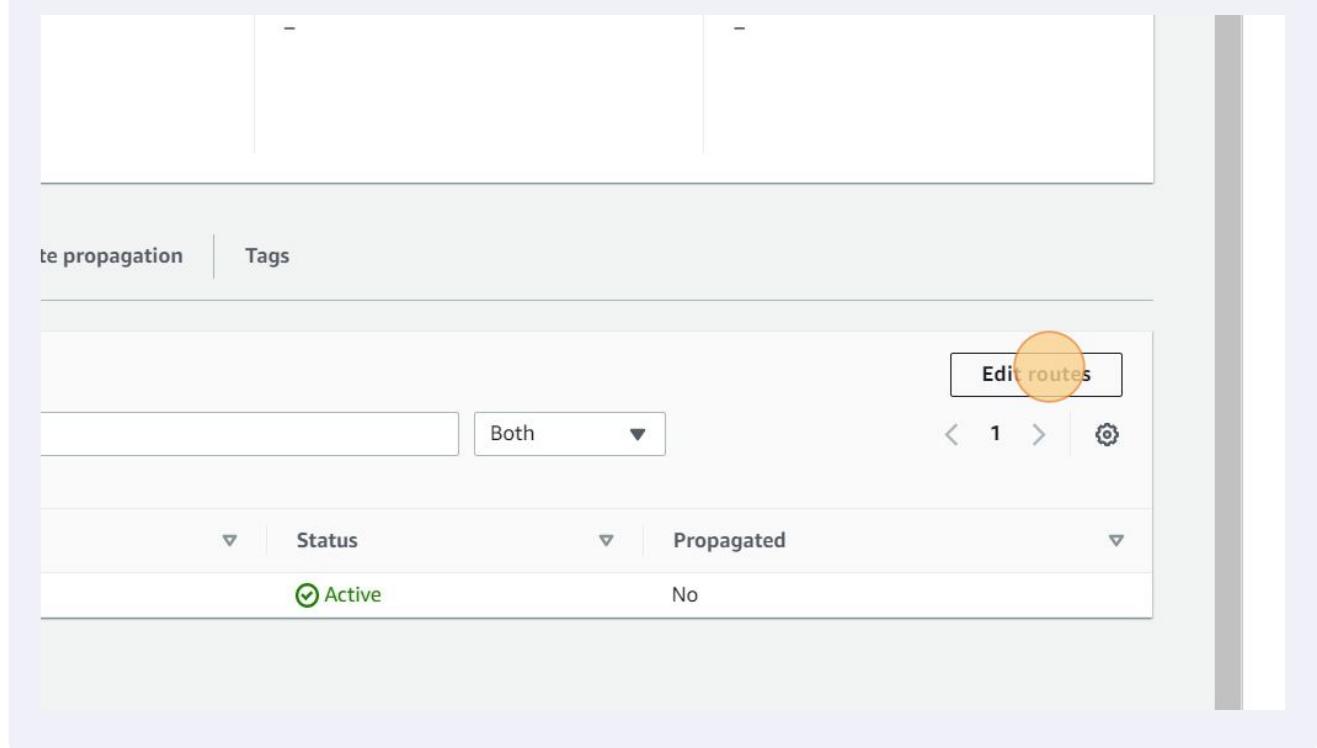
Value - *optional*

X X Remove

Cancel Create route table

in the new Unified Settings 

46 Click "Edit routes"



47 Click "Add route"

VPC > Route tables > rtb-02709f8cdfb0a3ae8 > Edit routes

Edit routes

Destination	Target
192.168.0.0/16	<input type="text"/> local

Add route

48 Click this search field.

Edit routes

Destination	Target
192.168.0.0/16	<input type="text" value="local"/>
<input type="text"/> 	<input type="text"/>
Add route	

49 Click here.

Edit routes

Destination	Target
192.168.0.0/16	<input type="text" value="local"/>
<input type="text"/> 	<input type="text"/>
0.0.0.0/0	
0.0.0.0/8	
0.0.0.0/16	
0.0.0.0/24	
0.0.0.0/32	
::/0	
::/16	
::/32	
.../10	

50 Click this search field.

A screenshot of the AWS Lambda console. At the top, there's a navigation bar with tabs like 'Lambda', 'Functions', 'Events', etc., and a 'Search' input field. Below the navigation bar is a search results table. The table has two columns: 'Target' and 'Status'. There are two rows in the table. The first row has a 'Target' value of 'local' and a 'Status' value of 'Active' with a green checkmark icon. The second row has a 'Target' value of an empty string and a 'Status' value of '-' (dash). A blue rectangular highlight is placed over the 'Target' input field of the first row, and an orange circle highlights the search icon (magnifying glass) in the same row.

Target	Status
local	Active
	-

51 Click "Internet Gateway"

A screenshot of the AWS Lambda console showing a search dropdown menu. The search bar at the top contains the text 'local'. Below the search bar is a list of search results. The results are organized into sections: 'Core Network', 'Egress Only Internet Gateway', 'Gateway Load Balancer Endpoint', 'Instance', and 'Local'. Under the 'Instance' section, the 'Internet Gateway' item is highlighted with an orange circle. Other items in the list include 'NAT Gateway', 'Network Interface', 'Outpost Local Gateway', 'Peering Connection', 'Transit Gateway', and 'Virtual Private Gateway'.

52 Click "igw-04c3ffd2f810c2fac (my_internet_gateway)"

The screenshot shows a search interface with two search bars. The top search bar has the placeholder 'local' and contains a green checkmark icon and the word 'Active'. The bottom search bar has the placeholder 'igw-' and contains a blue search icon. Below the search bars is a list of results. The first result is 'igw-04c3ffd2f810c2fac (my_internet_gateway)', which is highlighted with a yellow circle.

Target	Status
local	Active
igw-04c3ffd2f810c2fac (my_internet_gateway)	-

53 Click "Save changes"

The screenshot shows a confirmation dialog with two rows of information. The first row has a red 'X' icon, a green checkmark icon with the word 'Active', and the word 'No'. The second row has a red 'X' icon, a dash symbol, the word 'No', and a 'Remove' button. At the bottom of the dialog are three buttons: 'Cancel', 'Preview', and a large orange 'Save changes' button, which is also highlighted with a yellow circle.

X	Active	No	
X	-	No	Remove

Cancel Preview **Save changes**

54 Click "Subnet associations"

The screenshot shows the AWS VPC Route Tables interface. On the left, there's a sidebar with various navigation options like Select a VPC, Virtual private cloud, VPCs, Subnets, Route tables, Internet gateways, Less-only internet gateways, IP option sets, Static IPs, Managed prefix lists, IP points, IP point services, Cloud gateways, and Bring connections. The main area displays route table details for a specific VPC:

Route table ID	Main
rtb-02709f8cd8b0a3ae8	No
VPC	Owner ID
vpc-00296a0332af5b729 my_VPC	964307678829

The tabs at the bottom are Routes, Subnet associations (which is highlighted with a yellow circle), Edge associations, Route propagation, and Tags.

Routes (2)

Destination	Target
0.0.0.0/0	igw-04c3ffd2f810c2fac

55 Click "Edit subnet associations"

The screenshot shows the same AWS VPC Route Tables interface as the previous one, but with a green success message banner at the top: "Successfully updated route propagation settings". Below the banner, the tabs are Route propagation and Tags. The main content area shows the following:

Edit subnet associations (button highlighted with a yellow circle)

< 1 > ⚙

CIDR IPv6 CIDR

No subnet associations

You do not have any subnet associations.

56 Click this checkbox.

Change which subnets are associated with this route table.

Available subnets (2)

Filter subnet associations

<input type="checkbox"/>	Name	Subnet ID	IPv4 CIDR
<input type="checkbox"/>	Private Subnet	subnet-0a661dc6062dcde8e	192.168.2.0/24
<input checked="" type="checkbox"/>	Public Subnet	subnet-01d388761a961b34b	192.168.1.0/24

57 Click "Save associations"

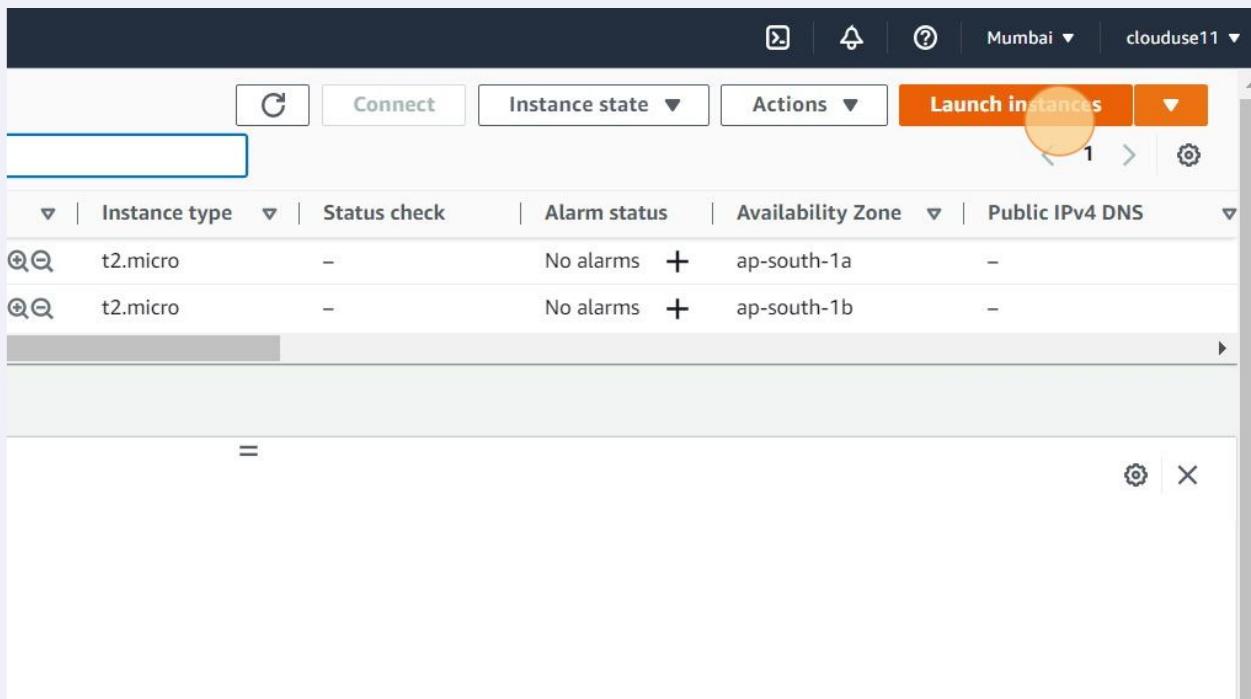
IPv4 CIDR	IPv6 CIDR	Route table ID
2.168.2.0/24	-	Main (rtb-0855930cf1554917a)
2.168.1.0/24	-	Main (rtb-0855930cf1554917a)

Cancel

Save associations

58 Now go to EC2 Management Console"

59 Click "Launch instances"



- 60** Click the "Name" field.

Launch an instance Info

Amazon EC2 allows you to create virtual machines, or instances, that run on the AWS Cloud. Quickly get started by following the simple steps below.

Name and tags Info

Name

e.g. My Web Server

Add additional tags

▼ Application and OS Images (Amazon Machine Image) Info

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

- 61** Type "Public_instance"

62 Click here.

The screenshot shows the AWS Marketplace search interface. At the top is a search bar with the placeholder text "Search our full catalog including 1000s of application and OS images". Below the search bar is a "Quick Start" section featuring logos for various operating systems: Amazon Linux (with a yellow circle highlighting the "AWS" logo), macOS, Ubuntu, Windows, Red Hat, and SUSE (with a grey circle highlighting the "S"). To the right of these logos is a search icon and a link to "Browse more AMIs", which includes a note about including AMIs from AWS, Marketplace, and the Community. Below this section is a card for the "Amazon Linux 2 AMI (HVM) - Kernel 5.10, SSD Volume Type". The card displays the AMI ID (ami-074dc0a6f6c764218), the architecture (64-bit (x86)), the kernel version (5.10), the volume type (SSD), and the root device type (ebs). It also indicates that it is "Free tier eligible". A dropdown arrow is shown to the right of the card. Below the card is a "Description" section containing the text "Amazon Linux 2 Kernel 5.10 AMI 2.0.20221103.3 x86_64 HVM gp2".

63 Click "Select"

The screenshot shows the AWS instance configuration page. At the top left is a section for the "t2.micro" instance type, which is "Free tier eligible". It lists the family (t2), number of vCPUs (1), and memory (1 GiB). It also shows On-Demand Linux pricing (0.0124 USD per Hour) and On-Demand Windows pricing (0.017 USD per Hour). To the right is a "Compare instance types" button. Below this is a "Key pair (login)" section with a "Select" dropdown menu, which has a yellow circle highlighting it. A note below the dropdown says, "You can use a key pair to securely connect to your instance. Ensure that you have access to the selected key pair before you launch the instance." To the right of the dropdown is a "Create new key pair" button. Below these sections is a "Network settings" section with a "Edit" button. A blue circular icon is positioned to the left of the network settings section. At the bottom of the page is a dark footer bar with "Feedback" and "Network" links, and a note about finding language selection in Unified Settings.

64 Click here.

The screenshot shows the second step of creating a Lambda function. It includes:

- A summary box for the "t2.micro" instance type, showing it's "Free tier eligible".
- A "Compare instance types" link.
- A "Key pair (Login)" section where "cloud11_key" (rsa) is selected.
- A "Network settings" section.
- A "Feedback" link and a note about language selection.

65 Click "Edit"

The screenshot shows the third step of creating a Lambda function. It includes:

- A toolbar with "[Alt+S]".
- A "Create new key pair" button.
- An "Edit" button highlighted with a yellow circle.
- A "Summary" section with the following details:
 - Number of instances: 1
 - Software Image (AMI): Amazon Linux 2 Kernel 5.10 AMI... (with a "read more" link)
 - Virtual server type (instance type): t2.micro
 - Firewall (security group): New security group
 - Storage (volumes): 1 volume(s) - 8 GiB

66 Click "(default)"

Instance name - required
d11_key

Network settings Info

VPC - required Info
vpc-0a9f88fb206a3274 (172.31.0.0/16) (default) ▾

Assign public IP Info
Not assigned

Firewall (security groups) Info
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.

Summary

Number of instances: 1

Software Image: Amazon Linux 2 ami-074dc0a6f

Virtual server type: t2.micro

Firewall (security group): New security group

Storage (volume): 1 volume(s) -

Free tier

67 Click here and select my_VPC

▼ Network settings Info

VPC - required Info
vpc-0a9f88fb206a3274 (172.31.0.0/16) (default) ▾

vpc-0a9f88fb206a3274 (172.31.0.0/16) (default)

vpc-00296a0332af5b729 (my_VPC) (192.168.0.0/16) (default) ▾

Select

Firewall (security groups) Info
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.

Create security group Select existing security group

Security group name - required
launch-wizard-3

68 Click here.

Network settings [Info](#)

- required [Info](#)

vpc-00296a0332af5b729 (my_VPC)
192.168.0.0/16

Subnet Info

subnet-0a661dc6062dcde8e Private Subnet
VPC: vpc-00296a0332af5b729 Owner: 964307678829 Availability Zone: ap-south-1b IP addresses available: 251 CIDR: 192.168.2.0/24

Create new subnet [Create new subnet](#)

Assign public IP [Info](#)

able

Firewall (security groups) [Info](#)

urity group is a set of firewall rules that control the traffic for your instance. Add rules to allow specific traffic to reach your instance.

Create security group Select existing security group

Security group name - required

69 Click "Availability Zone: ap-south-1a"

vpc-00296a0332af5b729 (my_VPC)
192.168.0.0/16

Subnet Info

subnet-0a661dc6062dcde8e Private Subnet
VPC: vpc-00296a0332af5b729 Owner: 964307678829 Availability Zone: ap-south-1b IP addresses available: 251 CIDR: 192.168.2.0/24

subnet-01d388761a961b34b Public Subnet
VPC: vpc-00296a0332af5b729 Owner: 964307678829 Availability Zone: ap-south-1a IP addresses available: 251 CIDR: 192.168.1.0/24

Create new subnet [Create new subnet](#)

Create security group Select existing security group

Security group name - required

launch-wizard-3

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 _-:/()#,@[]+=;&;!\$*

Looking for language selection? Find it in the new [Unified Settings](#)

70

Click "Disable"

VPC - required [Info](#)

vpc-00296a0332af5b729 (my_VPC)
192.168.0.0/16

Subnet Info

subnet-01d388761a961b34b Public Subnet
VPC: vpc-00296a0332af5b729 Owner: 964307678829
Availability Zone: ap-south-1a IP addresses available: 251 CIDR: 192.168.1.0/24

Create new subnet 

Auto-assign public IP [Info](#)

Disable 

Firewall (security groups) [Info](#)

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.

Create security group Select existing security group

Security group name - required

launch-wizard-3

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 _-:/()#,@[]+=&;{}!\$*

71

Click "Enable"

vpc-00296a0332af5b729 (my_VPC)
192.168.0.0/16

Subnet Info

subnet-01d388761a961b34b Public Subnet
VPC: vpc-00296a0332af5b729 Owner: 964307678829
Availability Zone: ap-south-1a IP addresses available: 251 CIDR: 192.168.1.0/24

Create new subnet 

Auto-assign public IP [Info](#)

Disable 

Enable 

Disable 

Create security group Select existing security group

Security group name - required

launch-wizard-3

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](#)

72

Click "ssh"

255 characters. Valid characters: a-z, A-Z, 0-9, spaces, and ._-:/()#@[]+=&;{}!\$*

Description - required [Info](#)
launch-wizard-3 created 2022-11-22T19:02:08.170Z

Inbound security groups rules

▼ Security group rule 1 (TCP, 22, 0.0.0.0/0) Remove

Type Info	Protocol Info	Port range Info
ssh	TCP	22
Source type Info	Source Info	Description - optional Info
Anywhere	<input style="width: 150px; height: 20px; border: 1px solid #ccc; padding: 2px;" type="text" value="Add CIDR, prefix list or security group"/> 0.0.0.0/0 X	e.g. SSH for admin desktop

⚠️ 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. X

Feedback Looking for language selection? Find it in the new [Unified Settings](#)

73

Click "All traffic"

Enable

Firewall (security groups) [Info](#)

Custom Protocol

All TCP

All UDP

All ICMP - IPv4

All ICMP - IPv6

All traffic (selected) ✓

ssh

SMTP

DNS (UDP)

DNS (TCP)

HTTP

POP3

ssh

at control the traffic for your instance. Add rules to allow specific traffic to reach your instance.

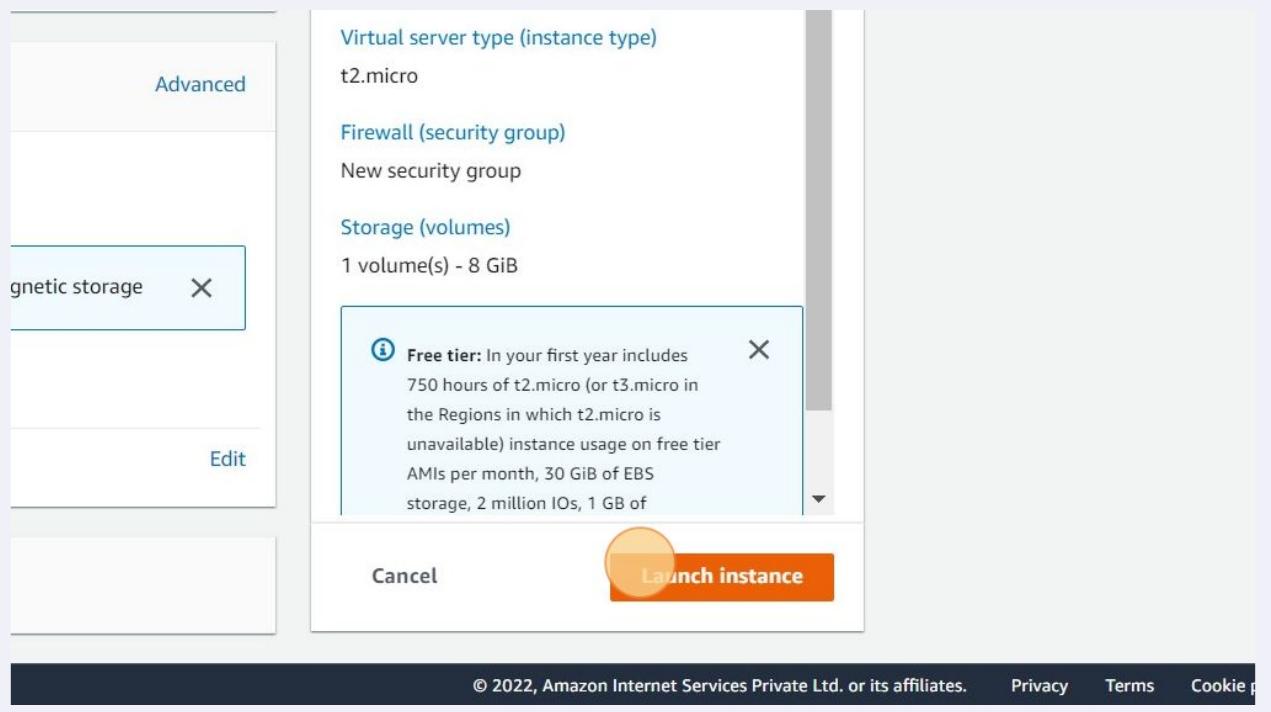
Select existing security group

Created 2022-11-22T19:02:08.170Z

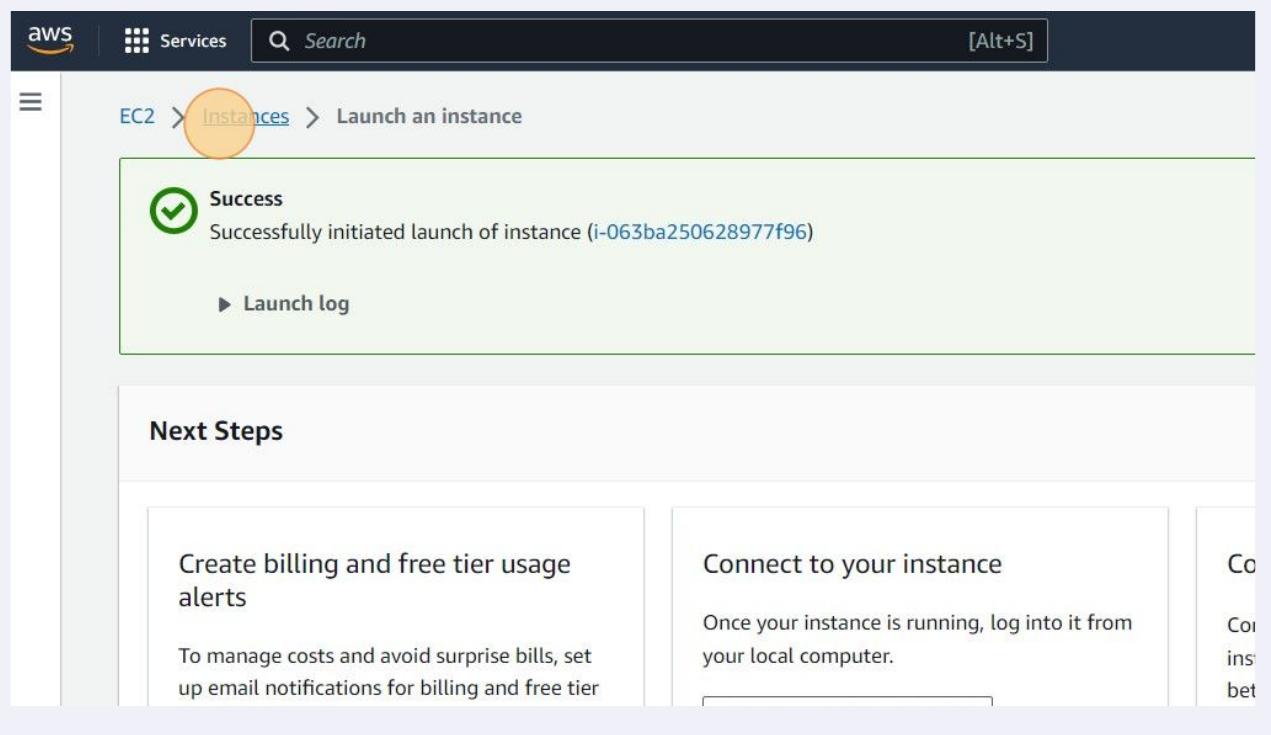
, 0.0.0.0/0 Remove

Type Info	Protocol Info	Port range Info
ssh	TCP	22

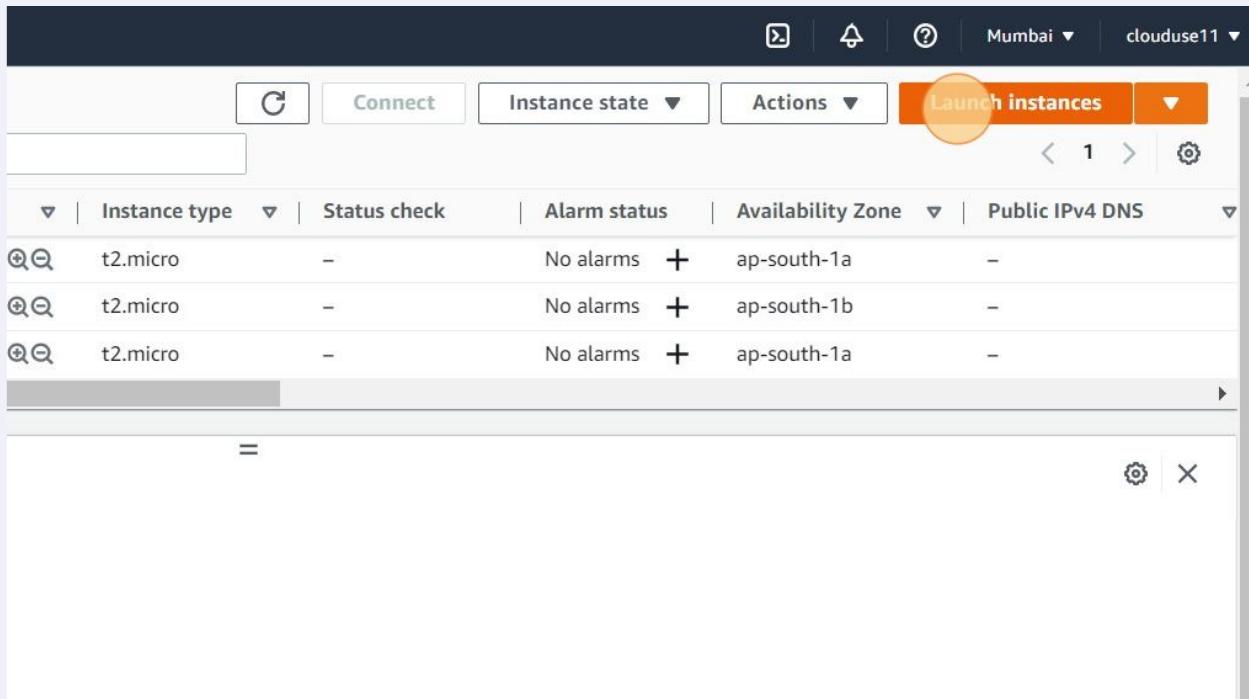
74 Click "Launch instance"



75 Click "Instances"



76 Click "Launch instances"



77 Click the "Name" field.

Launch an instance Info

Amazon EC2 allows you to create virtual machines, or instances, that run on the AWS Cloud. Quickly get started by following the simple steps below.

Name and tags Info

Name

e.g. My Web Server

Add additional tags

▼ Application and OS Images (Amazon Machine Image) Info

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

78 Click the "Name" field.

Launch an instance Info

Amazon EC2 allows you to create virtual machines, or instances, that run on the AWS Cloud. Quickly get started by following the simple steps below.

Name and tags Info

Name

e.g. My Web Server



Add additional tags

▼ Application and OS Images (Amazon Machine Image) Info

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

Search our full catalog including 1000s of application and OS images

79 Type "Private_instance"

80

Click "Select"

On-Demand Linux pricing: 0.0124 USD per Hour
On-Demand Windows pricing: 0.017 USD per Hour

▼ Key pair (login) [Info](#)
You can use a key pair to securely connect to your instance. Ensure that you have access to the selected key pair before you launch the instance.

Key pair name - *required*
Select 

[Create new key pair](#)

▼ Network settings [Info](#) [Edit](#)

Network [Info](#)
vpc-0a9f88fbc206a3274

Subnet [Info](#)

81

Click here.

▼ Key pair (login) [Info](#)
You can use a key pair to securely connect to your instance. Ensure that you have access to the selected key pair before you launch the instance.

Key pair name - *required*
Select 

[Create new key pair](#)

Proceed without a key pair (Not recommended) Default value

cloud11_key 
Type: rsa [Edit](#)

Network [Info](#)
vpc-0a9f88fbc206a3274

Subnet [Info](#)

-

Feedback Looking for language selection? Find it in the new [Unified Settings](#) 

82 Click "Edit"

The screenshot shows the AWS CloudFormation 'Edit' interface. On the left, there's a note: 'to your instance. Ensure that you have access to the selected key pair before you launch'. Below it is a dropdown menu with a 'Create new key pair' option. In the center, there's a large 'Edit' button, which is highlighted with a yellow circle. On the right, the 'Summary' section displays the following details:

- Number of instances: 1
- Software Image (AMI): Amazon Linux 2 Kernel 5.10 AMI... (with a 'read more' link)
- Virtual server type (instance type): t2.micro
- Firewall (security group): New security group
- Storage (volumes): 1 volume(s) - 8 GiB

A tooltip at the bottom right says: 'Free tier: In your first year includes 750 hours of compute in the Region per month for AMIs per month'.

83 Click "(default)"

The screenshot shows the AWS CloudFormation 'Edit' interface. On the left, there's a note: 'Name - required'. Below it is a dropdown menu with 'key' selected. In the center, there's a dropdown menu with '(default)' highlighted, which is also circled in yellow. On the right, the 'Summary' section displays the following details:

- Number of instances: 1
- Software Image: Amazon Linux 2 ami-074dc0a6f6c764218
- Virtual server type: t2.micro
- Firewall (security group): New security group
- Storage (volume): 1 volume(s) - 8 GiB

A tooltip at the bottom right says: 'Free tier: In your first year includes 750 hours of compute in the Region per month for AMIs per month'.

84

Click here.

Network settings [Info](#)

VPC - required [Info](#)

vpc-0a9f88fb206a3274 (default) ▲
172.31.0.0/16

Q

vpc-0a9f88fb206a3274 (default)
172.31.0.0/16

vpc-00296a0332af5b729 (my_VPC)
192.168.0.0/16

Select

Firewall (security groups) [Info](#)

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.

Create security group Select existing security group

Security group name - required

launch-wizard-4

85

Click here.

255 characters. Valid characters: a-z, A-Z, 0-9, spaces, and ._-:/()#,@[]+=;&;{}!\$*

Description - required [Info](#)

launch-wizard-4 created 2022-11-22T19:03:04.774Z

Inbound security groups rules

▼ Security group rule 1 (TCP, 22, 0.0.0.0/0) [Remove](#)

Type Info	Protocol Info	Port range Info
ssh	TCP	22

Type [Info](#) Protocol [Info](#) Port range [Info](#)

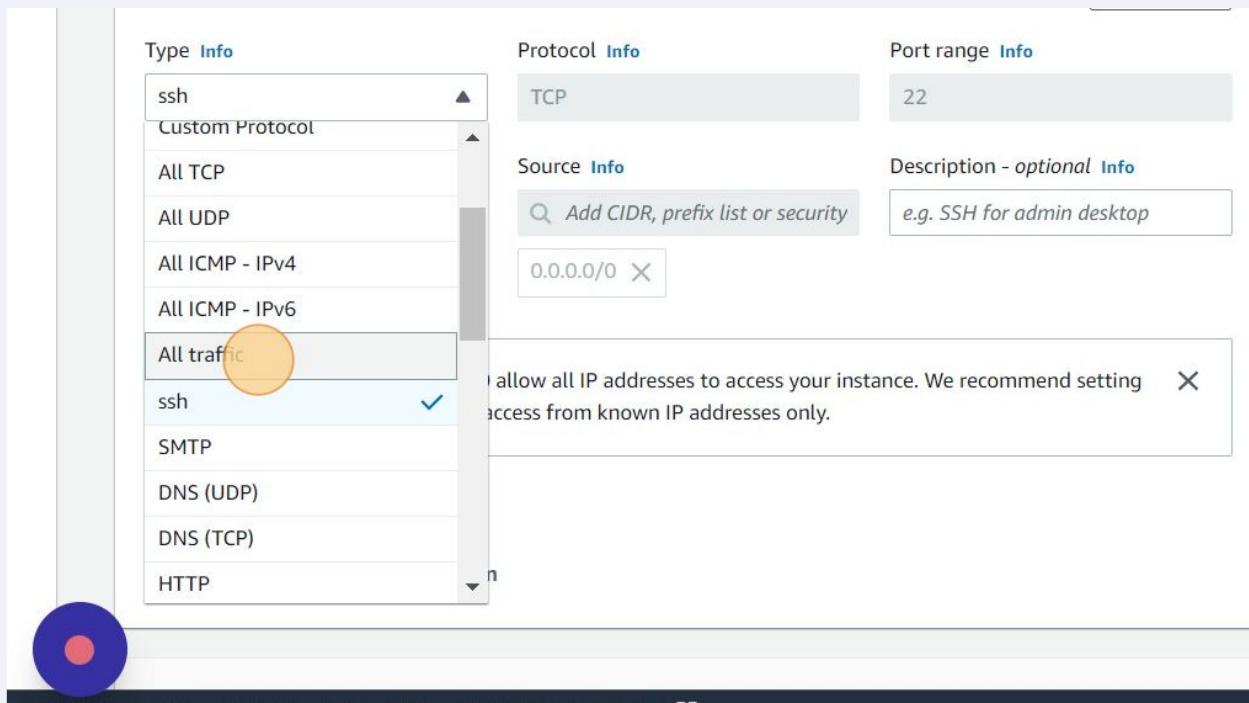
Source type [Info](#) Source [Info](#) Description - optional [Info](#)

Anywhere [Add CIDR, prefix list or security](#) e.g. SSH for admin desktop

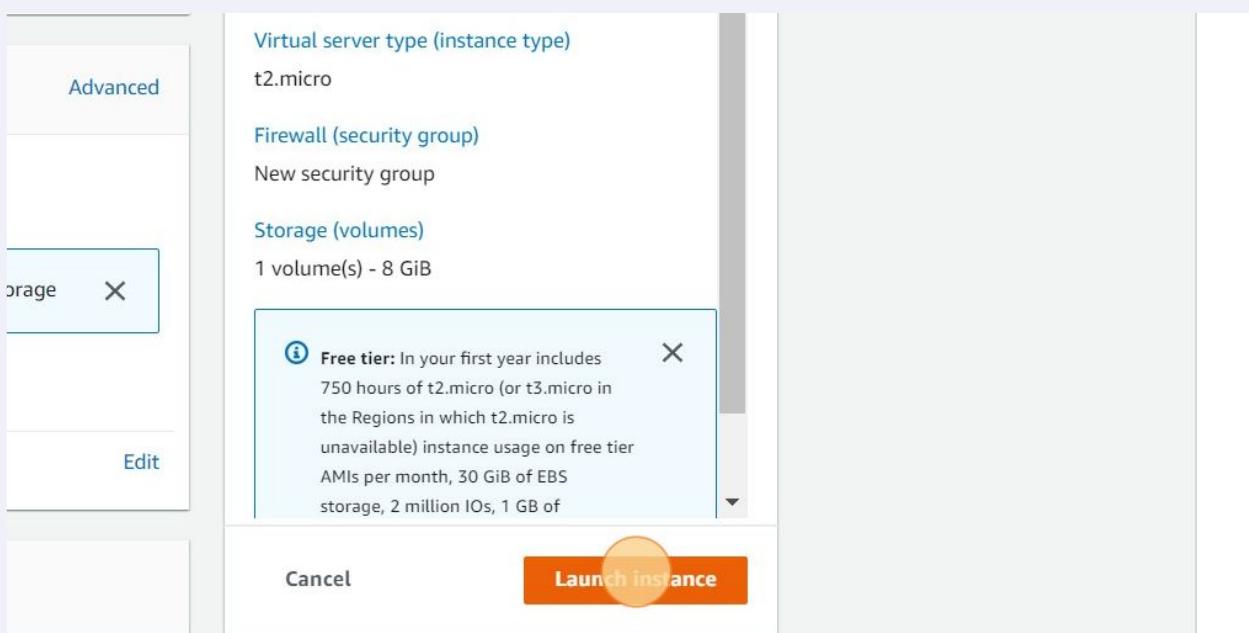
0.0.0.0/0 [X](#)

⚠️ 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. [X](#)

86 Click "All traffic"



87 Click "Launch instance"



88 Click "Instances"

The screenshot shows the AWS EC2 Instances launch success page. At the top, there's a navigation bar with the AWS logo, 'Services' dropdown, a search bar, and a keyboard shortcut '[Alt+S]'. Below the navigation is a breadcrumb trail: 'EC2 > Instances > Launch an instance'. A green success icon with a checkmark is displayed, followed by the message 'Successfully initiated launch of instance (i-01f4ed2eb5761a6a4)'. A link to 'Launch log' is also present. On the left, a sidebar titled 'Next Steps' lists 'Create billing and free tier usage alerts' and 'Connect to your instance'. The 'Connect to your instance' section includes instructions: 'Once your instance is running, log into it from your local computer.'

89 Click the "Find instance by attribute or tag (case-sensitive)" field.

The screenshot shows the AWS EC2 Instances list page. At the top, there's a navigation bar with the AWS logo, 'Services' dropdown, a search bar, and a keyboard shortcut '[Alt+S]'. To the left is a sidebar with links like 'New EC2 Experience', 'EC2 Dashboard', 'EC2 Global View', 'Events', 'Tags', 'Limits', 'Instances', 'Instances New', 'Instance Types', 'Launch Templates', 'Spot Requests', and 'Savings Plans'. The main area is titled 'Instances (4) Info' and contains a table with four rows of instance data. The first row has a circled search bar labeled 'Find instance by attribute or tag (case-sensitive)'. The table columns are 'Name', 'Instance ID', 'Instance state', and 'Instance type'. The data rows are: 1. Public_instance, i-07d4a5d49c4df17fa, Terminated, t2.micro 2. Private_instance, i-0bf55b073743eed56, Terminated, t2.micro 3. Public_instance, i-063ba250628977f96, Running, t2.micro 4. Private_instance, i-01f4ed2eb5761a6a4, Pending, t2.micro. Below the table, a section titled 'Select an instance' is visible.

90 Type "run"

91 Click "run"

The screenshot shows the AWS EC2 Instances page. The search bar at the top contains the text "run". Below the search bar, there is a table titled "Instances (4) Info". The table has columns for Instance ID, Instance state, and Instance type. One row in the table is highlighted with a yellow circle, specifically the "Instance state = running" row. The table also includes sections for "API filters values" and "Client filters values". On the left side, there is a sidebar with various EC2-related links, and the "Instances" link is currently selected.

	Instance state	Instan
17fa	Terminated	t2.mic
eed56	Terminated	t2.mic
77f96	Running	t2.mic
a6a4	Pending	t2.mic

92 Click the "Find instance by attribute or tag (case-sensitive)" field.

The screenshot shows the AWS EC2 Instances page. At the top, there is a search bar with the placeholder text "Find instance by attribute or tag (case-sensitive)". Below the search bar is a table titled "Instances (4) Info" containing four rows of instance data. The columns are Name, Instance ID, Instance state, Instance type, and Status. The instances listed are Public_instance, Private_instance, and two others that are terminated. A yellow circle highlights the search bar.

Name	Instance ID	Instance state	Instance type	Status
Public_instance	i-07d4a5d49c4df17fa	Terminated	t2.micro	-
Public_instance	i-063ba250628977f96	Running	t2.micro	(1)
Private_instance	i-0bf55b073743eed56	Terminated	t2.micro	-
Private_instance	i-01f4ed2eb5761a6a4	Running	t2.micro	(1)

93 Click "Instance state = running"

The screenshot shows the AWS EC2 Instances page. The search bar contains the text "run". Below the search bar is a table titled "Instances (4) Info" with a row for each instance. The first instance is terminated, and the second is running. A yellow circle highlights the "Instance state = running" filter in the API filters values section. The table has columns for Instance state, Instance type, and Status.

Instance state	Instance type	Status
Terminated	t2.micro	-
Running	t2.micro	(1)
Terminated	t2.micro	-
Running	t2.micro	(1)

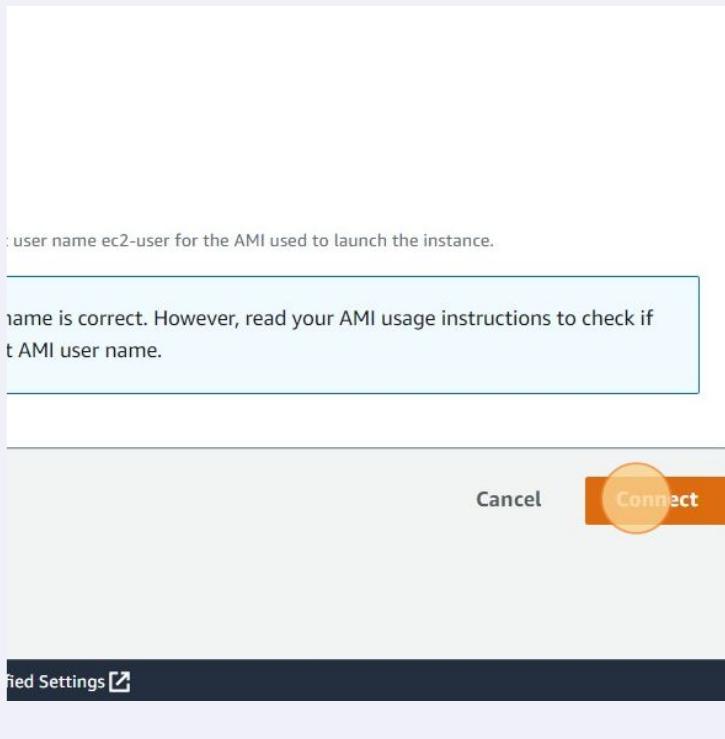
94 Click this checkbox.

The screenshot shows the AWS EC2 Instances page. On the left, there's a sidebar with options like EC2 Dashboard, EC2 Global View, Events, Tags, Limits, and Instances. Under Instances, there are links for Instances, Instance Types, Launch Templates, Spot Requests, and Savings Plans. The main area displays two instances: 'Public_instance' (i-063ba250628977f96) and 'Private_instance' (i-01f4ed2eb5761a6a4). Both instances are listed as 'Running'. A yellow circle highlights the checkbox next to the 'Public_instance' name in the list.

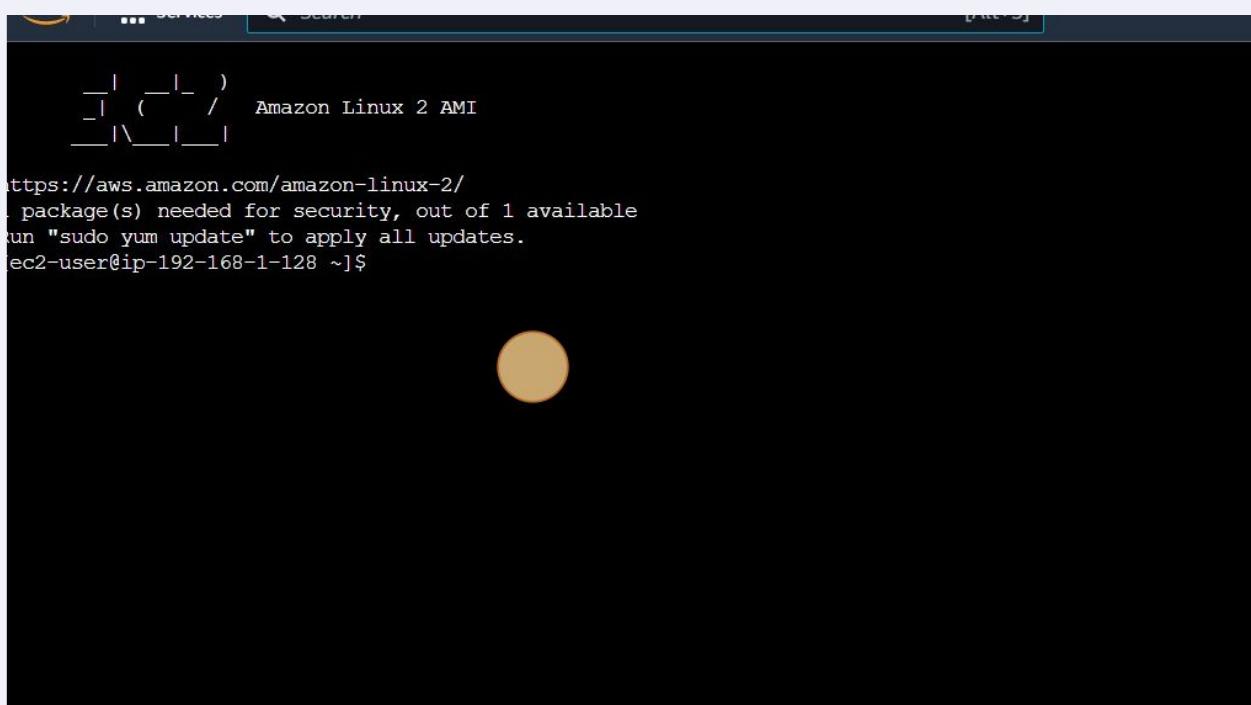
95 Click "Connect"

The screenshot shows the AWS EC2 Instance Details page for the 'Public_instance'. At the top, there are buttons for 'G' (Grid View), 'Connect' (which is highlighted with a yellow circle), 'Instance state', 'Actions', and 'Launch'. Below this, there's a search bar and a table listing instance details. The table includes columns for Instance state, Instance type, Status check, Alarm status, and Availability Zone. Two instances are listed: 'Public_instance' (i-063ba250628977f96) and 'Private_instance' (i-01f4ed2eb5761a6a4). Both are running. At the bottom, there are tabs for Storage, Status checks, Monitoring, and Tags. The Public IPv4 address is listed as 13.126.161.129, and the Private IPv4 address is listed as 192.168.1.128.

96 Click "Connect"



97 Click here.



98 Type " [[enter]] ping 8.8.8.8 [[enter]]"

99 Press [[ctrl]] + [[s]]

100 Switch to tab "Launch an instance | EC2 Management Console"

101 Click "Instances"

The screenshot shows the AWS EC2 Instances page. At the top, there's a navigation bar with the AWS logo, 'Services' dropdown, a search bar containing 'Search [Alt+S]', and a menu icon. Below the navigation, the breadcrumb trail reads 'EC2 > Instances > Launch an instance'. A success message box is centered, stating 'Success' with a checkmark icon and the text 'Successfully initiated launch of instance (i-0a945378b49428324)'. Below this, a link '▶ Launch log' is visible. To the right, under 'Next Steps', there are two main sections: 'Create billing and free tier usage alerts' (with a sub-note about managing costs and setting email notifications) and 'Connect to your instance' (with a note about logging in from a local computer). The 'Connect to your instance' section has a partially visible continuation starting with 'Co'.

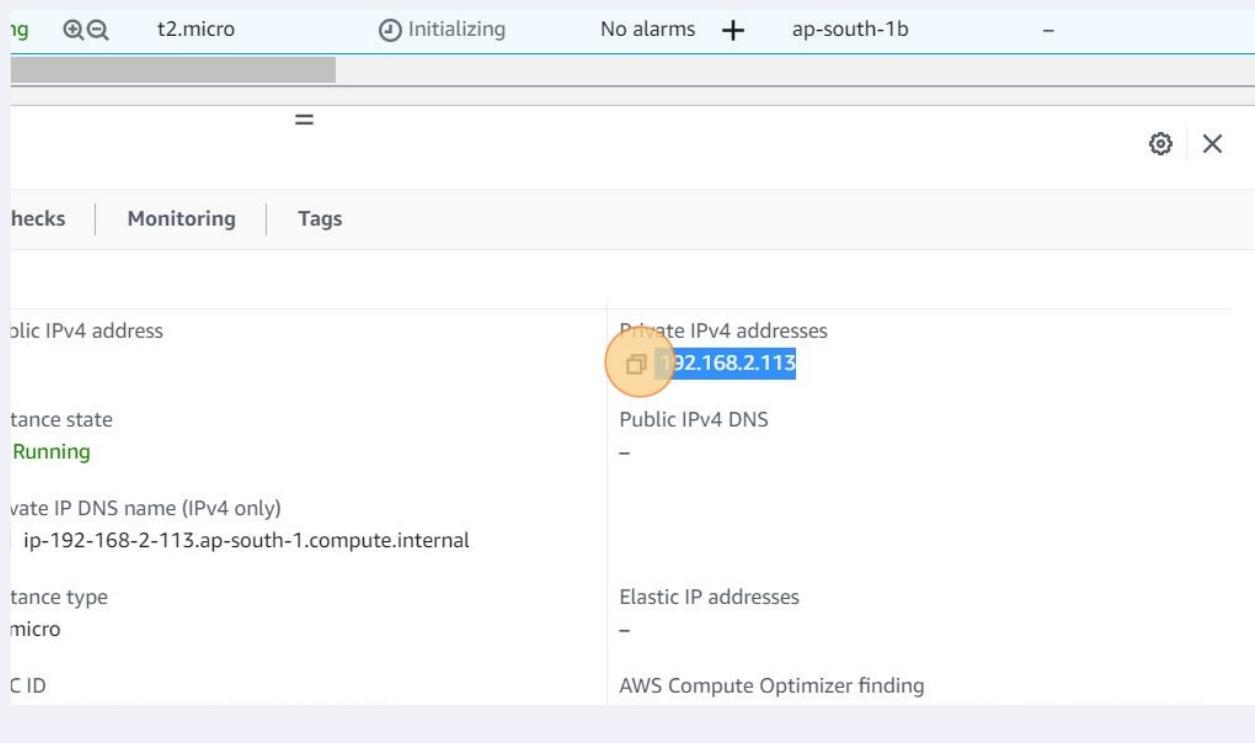
102 Click this checkbox.

The screenshot shows the AWS EC2 Instances page. At the top, there's a navigation bar with the AWS logo, 'Services' dropdown, a search bar containing 'Search' with a placeholder 'Find instance by attribute or tag (case-sensitive)', and a keyboard shortcut '[Alt+S]'. On the left, a sidebar titled 'New EC2 Experience' has a 'Tell us what you think' button. It lists several options: EC2 Dashboard, EC2 Global View, Events, Tags, Limits, and a collapsed section 'Instances' which includes 'Instances New', Instance Types, Launch Templates, Spot Requests, and Savings Plans. The main content area is titled 'Instances (2) Info' and shows a table with two rows. The first row is for 'Public_instance' with Instance ID 'i-063ba250628977f96' and status 'Running'. The second row is for 'Private_instance' with Instance ID 'i-01f4ed2eb5761a6a4' and status 'Running'. Both rows have a checkbox column, and the checkbox for 'Public_instance' is highlighted with an orange circle. Below the table, a section titled 'Select an instance' is visible.

103 Click here.

The screenshot shows the AWS EC2 Instance Details page for a 't2.micro' instance. The top navigation bar includes 'Instances' (highlighted with an orange circle), 't2.micro', 'Initializing', 'No alarms', a '+' button, 'ap-south-1b', and a '-' button. Below the navigation, there are tabs for 'Monitoring' and 'Tags'. The main content area displays various instance details in a table format. Under the 'v4 address' column, the 'Private IPv4 addresses' section is expanded, showing '192.168.2.113' with a checkbox next to it, which is highlighted with an orange circle. Other sections like 'Public IPv4 DNS' and 'AWS Compute Optimizer finding' are also present.

104 Click here.



105 Type " [[enter]]"

106 Press [[ctrl]] + [[c]]

107 Type "ping"

108 Click here.

```
ping 8.8.8.8 (8.8.8.8) 56(84) bytes of data.  
44 bytes from 8.8.8.8: icmp_seq=1 ttl=51 time=1.37 ms  
44 bytes from 8.8.8.8: icmp_seq=2 ttl=51 time=1.37 ms  
44 bytes from 8.8.8.8: icmp_seq=3 ttl=51 time=1.36 ms  
44 bytes from 8.8.8.8: icmp_seq=4 ttl=51 time=1.38 ms  
  
44 bytes from 8.8.8.8: icmp_seq=5 ttl=51 time=1.34 ms  
44 bytes from 8.8.8.8: icmp_seq=6 ttl=51 time=1.32 ms  
44 bytes from 8.8.8.8: icmp_seq=7 ttl=51 time=1.33 ms  
C  
--- 8.8.8.8 ping statistics ---  
7 packets transmitted, 7 received, 0% packet loss, time 34439ms  
rtt min/avg/max/mdev = 1.329/1.357/1.387/0.052 ms  
ec2-user@ip-192-168-1-128 ~]$ ping [REDACTED]
```

i-063ba250628977f96 (Public_instance)

PublicIPs: 13.126.161.129 PrivateIPs: 192.168.1.128

109 Right-click here.

```
ping 8.8.8.8 (8.8.8.8) 56(84) bytes of data.  
44 bytes from 8.8.8.8: icmp_seq=1 ttl=51 time=1.37 ms  
44 bytes from 8.8.8.8: icmp_seq=2 ttl=51 time=1.37 ms  
44 bytes from 8.8.8.8: icmp_seq=3 ttl=51 time=1.36 ms  
44 bytes from 8.8.8.8: icmp_seq=4 ttl=51 time=1.38 ms  
  
44 bytes from 8.8.8.8: icmp_seq=5 ttl=51 time=1.34 ms  
44 bytes from 8.8.8.8: icmp_seq=6 ttl=51 time=1.32 ms  
44 bytes from 8.8.8.8: icmp_seq=7 ttl=51 time=1.33 ms  
C  
--- 8.8.8.8 ping statistics ---  
7 packets transmitted, 7 received, 0% packet loss, time 34439ms  
rtt min/avg/max/mdev = 1.329/1.357/1.387/0.052 ms  
ec2-user@ip-192-168-1-128 ~]$ ping [REDACTED]
```

i-063ba250628977f96 (Public_instance)

PublicIPs: 13.126.161.129 PrivateIPs: 192.168.1.128

110 Type "[[enter]]"

111 Press [[ctrl]] + [[c]]

112 Type "[[enter]]"

113 Click "Public IPv4 address"

