

## VPC:-

The screenshot displays the AWS Management Console interface for the VPC (Virtual Private Cloud) service. The left sidebar shows the navigation menu with categories like Virtual private cloud, Security, and PrivateLink and Lattice. The main content area is titled 'Subnets (1/8)' and shows a list of subnets. The selected subnet, 'Task-3 Public subnet Elevate labs', is highlighted. Below the list, the 'Details' section provides comprehensive information about the subnet, including its ID, ARN, CIDR, availability zone, network ACL, and various settings like block public access and auto-assign public IPv4 address.

Name	Subnet ID	State	VPC	Block Public...	IPv4 CIDR	IPv6 CIDR
Task-3 Private subnet Elevate labs	subnet-02c4801d66bbc1d90	Available	vpc-00db69b5083131561   Tas...	Off	10.0.0.0/24	-
-	subnet-0129ec5938aedffe8c	Available	vpc-072fe3bc41880406e	Off	172.31.16.0/20	-
-	subnet-0ad883cfd664454ec	Available	vpc-072fe3bc41880406e	Off	172.31.32.0/20	-
Task-3 Public subnet Elevate labs	subnet-001d8f0e9f706e8de	Available	vpc-00db69b5083131561   Tas...	Off	10.0.2.0/24	-

**subnet-001d8f0e9f706e8de / Task-3 Public subnet Elevate labs**

**Details**

**Subnet ID**  
subnet-001d8f0e9f706e8de

**Subnet ARN**  
arn:aws:ec2:us-east-1:043309336768:subnet/subne-t-001d8f0e9f706e8de

**State**  
Available

**Block Public Access**  
Off

**IPv4 CIDR**  
10.0.2.0/24

**Available IPv4 addresses**  
251

**IPv6 CIDR**  
-

**Availability Zone**  
us-east-1a

**Network border group**  
us-east-1

**Network ACL**  
acl-0a736d649203b291b

**Default subnet**  
No

**Auto-assign customer-owned IPv4 address**  
No

**Customer-owned IPv4 pool**  
-

**Auto-assign public IPv4 address**  
No

**Outpost ID**  
-

**Hostname type**  
IP name

**Owner**  
043309336768

**Route table**  
rtb-0badca134c57565f9 | Task-3 Elevate labs

**Auto-assign IPv6 address**  
No

**IPv4 CIDR reservations**  
-

**Resource name DNS AAAA record**  
Disabled

## Load balancer:-

The screenshot shows the AWS Management Console for the EC2 service, specifically the 'Load balancers' page. The main content area is titled 'Listeners and routing' and provides information about listeners. A listener named 'HTTP:80' is shown with its configuration details, including the protocol (HTTP), port (80), and default action (Forward to target groups). The 'Forward to target group' section shows the selected target group ('Practical-7') and its weight (1) and percent (100%). The 'Target group stickiness' section is also visible, showing that it is currently disabled.

**Listeners and routing**

A listener is a process that checks for connection requests using the port and protocol you configure. The rules that you define for a listener determine how the load balancer routes requests to its registered targets.

**Listener HTTP:80**

**Protocol**  
HTTP

**Port**  
80

**Default action**  
The default action is used if no other rules apply. Choose the default action for traffic on this listener.

**Routing action**

☒ Forward to target groups ☐ Redirect to URL ☐ Return fixed response

**Forward to target group**  
Choose a target group and specify routing weight or [create target group](#).

**Target group**  
Practical-7  
Target type: Instance, IPv4 | Target stickiness: Off

**Weight**  
1

**Percent**  
100%

**Target group stickiness**  
Enables the load balancer to bind a user's session to a specific target group. To use stickiness the client must support cookies. If you want to bind a user's session to a specific target, turn on the Target Group attribute Stickiness.

☐ Turn on target group stickiness

**Listener tags - optional**  
Consider adding tags to your listener. Tags enable you to categorize your AWS resources so you can more easily manage them.

[Add listener tag](#)

Target groups: -

Step 1

Create target group

Step 2 - recommended

Register targets

Step 3

Review and create

Review and create

Review your target group configuration before creating

Step 1: Target group details

Target group details

Name

Practical-7

VPC

vpc-072fe3bc41880406e

Target type

Instance

IP address type

IPv4

Protocol : Port

HTTP: 80

Protocol version

HTTP1

Health check details

Health check protocol

HTTP

Timeout

5 seconds

Health check path

/

Healthy threshold

5

Health check port

traffic-port

Unhealthy threshold

2

Interval

30 seconds

Success codes

200

Step 2: Register targets

Targets (2)

Instance ID	Name	Port	Zone
i-07d5ba84f5006b15c	CS8SPrac/7	80	us-east-1a
i-0fece8643689951bb	CS8SPrac/7	80	us-east-1a

Cancel

Previous

Create target group

Step 1

Create target group

Step 2 - recommended

Register targets

Step 3

Review and create

Register targets - recommended

This is an optional step to create a target group. However, to ensure that your load balancer routes traffic to this target group you must register your targets.

Available instances (2/4)

Filter instances

Instance ID	Name	State	Security groups	Zone	Private IPv4 address	Subnet ID	Launch time
<input checked="" type="checkbox"/> i-07d5ba84f5006b15c	CS8SPrac/7	Running	launch-wizard-15	us-east-1a	172.31.24.79	subnet-0129ec5938ae4fe8c	November 13, 2025
<input checked="" type="checkbox"/> i-0fece8643689951bb	CS8SPrac/7	Running	launch-wizard-15	us-east-1a	172.31.31.181	subnet-0129ec5938ae4fe8c	November 13, 2025
<input type="checkbox"/> i-019e630c98d760417	drive	Running	launch-wizard-14	us-east-1a	172.31.19.185	subnet-0129ec5938ae4fe8c	November 13, 2025
<input type="checkbox"/> i-0954f3c745db1ff1d	MyEc2Server	Running	launch-wizard-4	us-east-1a	172.31.27.45	subnet-0129ec5938ae4fe8c	July 4, 2025

2 selected

Ports for the selected instances

Ports for routing traffic to the selected instances.

80

+ 0335 (separate multiple ports with commas)

Include as pending below

Review targets

Targets (0)

Filter targets

Show only pending

Instance ID	Name	Port	State	Security groups	Zone	Private IPv4 address	Subnet ID	Launch time
No instances added yet								

Specify instances above, or leave the group empty if you prefer to add targets later.