

## VPC:-

The screenshot shows the AWS VPC Subnets page. On the left, there's a navigation sidebar with options like VPC dashboard, Virtual private cloud, Security, and PrivateLink and Lattice. The main area displays a table titled "Subnets (1/8) Info" with columns for Name, Subnet ID, State, VPC, Block Public Access, IPv4 CIDR, and IPv6 CIDR. One subnet is selected: "Task-3 Public subnet Elevate labs" (subnet-001d8f0e9f706e8de). Below the table, a detailed view of this subnet is shown, including its ARN, IP ranges, and association with a VPC and route table.

Name	Subnet ID	State	VPC	Block Public Access	IPv4 CIDR	IPv6 CIDR
Task-3 Private subnet Elevate labs	subnet-02c801d66bbc1d90	Available	vpc-00db69b5083131561   Task-3 Private	Off	10.0.0.0/24	-
-	subnet-0129ec5958ae4fe8c	Available	vpc-072fe3bc41880406e	Off	172.31.16.0/20	-
-	subnet-0ad883cf4b64454ec	Available	vpc-072fe3bc41880406e	Off	172.31.32.0/20	-
Task-3 Public subnet Elevate labs	subnet-001d8f0e9f706e8de	Available	vpc-00db69b5083131561   Task-3 Public	Off	10.0.2.0/24	-

## Load balancer:-

The screenshot shows the AWS Load Balancers page under the EC2 section. It's creating a new Application Load Balancer. The "Listeners and routing" section is active, showing a listener for port 80 (HTTP). It has a default action set to "Forward to target group". A target group named "Practical-7" is selected, which contains one instance with a weight of 1 and a percent of 100%. There are also sections for "Target group stickiness" (disabled), "Listener tags - optional" (disabled), and "Add listener tag" (disabled).

## Target groups: -

**Review and create**  
Review your target group configuration before creating

**Step 1: Target group details**

Name Practical-7	Target type Instance	Protocol : Port HTTP: 80	Protocol version HTTP1
VPC vpc-072fe3bc41880406e	IP address type IPv4		

**Health check details**

Health check protocol HTTP	Health check path /	Health check port traffic-port	Interval 50 seconds
Timeout 5 seconds	Healthy threshold 5	Unhealthy threshold 2	Success codes 200

**Step 2: Register targets**

**Targets (2)**

Instance ID	Name	Port	Zone
i-07d5ba84f5006b15c	CSBSPrac7	80	us-east-1a
i-0fce8543689951bb	CSBSPrac7	80	us-east-1a

**Create target group**

**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)**

Instance ID	Name	State	Security groups	Zone	Private IPv4 address	Subnet ID	Launch time
i-07d5ba84f5006b15c	CSBSPrac7	Running	launch-wizard-15	us-east-1a	172.31.24.79	subnet-0129ec5938ae4fe8c	November 13, 2023
i-0fce8543689951bb	CSBSPrac7	Running	launch-wizard-15	us-east-1a	172.31.31.181	subnet-0129ec5938ae4fe8c	November 13, 2023
i-0196e30c86d760417	drive	Running	launch-wizard-14	us-east-1a	172.31.10.185	subnet-0129ec5938ae4fe8c	November 13, 2023
i-0954f5c745db1ff1d	MyEc2Server	Running	launch-wizard-4	us-east-1a	172.31.27.45	subnet-0129ec5938ae4fe8c	July 4, 2023

**Ports for the selected instances**  
Ports for routing traffic to the selected instances.  
80  
1-65535 (separate multiple ports with comma)  
**Include as pending below**

**Review targets**

**Targets (0)**

Instance ID	Name	Port	State	Security groups	Zone	Private IPv4 address	Subnet ID	Launch time
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No instances added yet  
Specify instances above, or leave the group empty if you prefer to add targets later.