

# Load Balancer:

The screenshot displays the AWS Management Console interface for a Network Load Balancer (NLB) named 'test-nlb'. The left sidebar shows the navigation menu with categories like EC2 Dashboard, Instances, Images, Elastic Block Store, and Network & Security. The main content area shows the 'test-nlb' details page, which includes a 'Details' section with various attributes and a 'Listeners' section.

**test-nlb Details:**

- Load balancer type:** Network
- Status:** Active
- VPC:** vpc-0e46b2990adbde9f7
- IP address type:** IPv4
- Scheme:** Internet-facing
- Hosted zone:** Z26RNL4JYFTOTI
- Availability Zones:** subnet-0a3e603001c668b9b (us-east-1b (use1-az4)), subnet-0483d89070672c7b3 (us-east-1a (use1-az2))
- Date created:** June 12, 2023, 21:20 (UTC-05:00)
- Load balancer ARN:** arn:aws:elasticloadbalancing:us-east-1:122900856042:loadbalancer/net/test-nlb/b8577b43e923a268
- DNS name:** test-nlb-b8577b43e923a268.elb.us-east-1.amazonaws.com (A Record)

**Listeners (1):**

A listener checks for connection requests on its port and protocol. Traffic received by the listener is routed according to its rules.

Filter listeners by property or value

Protocol:Port | Default action | ARN | Security policy | Default SSL cert | AL

# Target Groups:

The screenshot displays the AWS Management Console interface for a Target Group named 'test-tg'. The left sidebar shows the navigation menu. The main content area shows the 'test-tg' details page, which includes a 'Details' section with various attributes and a 'Registered targets' section.

**test-tg Details:**

- Target type:** Instance
- Protocol : Port:** TCP: 80
- VPC:** vpc-0e46b2990adbde9f7
- IP address type:** IPv4
- Load balancer:** test-nlb

**Target Status:**

Total targets	Healthy	Unhealthy	Unused	Initial	Draining
2	2	0	0	0	0

**Distribution of targets by Availability Zone (AZ)**

Select values in this table to see corresponding filters applied to the Registered targets table below.

**Registered targets (2):**

Instance ID	Name	Port	Zone	Health status	Health status details
i-042d6d42dce53e...	ec2-prvt-1b	80	us-east-1b	healthy	
i-008cf0207ab320...	ec2-prvt-1a	80	us-east-1a	healthy	

## Instances:

**Instances (3)** Info

Find instance by attribute or tag (case-sensitive)

Instance state = running X Clear filters

<input type="checkbox"/>	Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Publ
<input type="checkbox"/>	ec2-prvt-1b	i-042d6d42dce53ea7c	Running	t2.micro	2/2 checks passed	No alarms	us-east-1b	-
<input type="checkbox"/>	ec2-prvt-1a	i-008cf0207ab32058c	Running	t2.micro	2/2 checks passed	No alarms	us-east-1a	-
<input type="checkbox"/>	ec2-pb-1a	i-008234cb9fcecba4	Running	t2.micro	2/2 checks passed	No alarms	us-east-1a	ec2-

Select an instance

## VPC:

**vpc-0e46b2990adbde9f7 / workshop-vpc-vpc**

Details Info

VPC ID: vpc-0e46b2990adbde9f7

Tenancy: Default

Default VPC: No

Network Address Usage metrics: Disabled

State: Available

DHCP option set: dopt-0da16392559804d6d

IPv4 CIDR: 10.0.0.0/16

Route 53 Resolver DNS Firewall rule groups: Failed to load rule groups

DNS hostnames: Enabled

Main route table: rtb-06cf914fc4918272f

IPv6 pool: -

DNS resolution: Enabled

Main network ACL: acl-0d3c673fb78845353

IPv6 CIDR (Network border group): -

Owner ID: 122900856042

Resource map New CIDRs Flow logs Tags

Resource map Info

VPC Show details: Your AWS virtual network

Subnets (4): Subnets within this VPC

Route tables (4): Route network traffic to resources

Network connections (2): Connections to other networks

Introducing the VPC resource map: Solid lines represent relationships between resources in your VPC. Dotted lines represent network traffic to network functions.

# Subnets:

aws

Services

Search

[Option+S]

N. Virginia

workshop-user @ 1229-0085-6042

VPC dashboard

EC2 Global View

Filter by VPC:

Select a VPC

Virtual private cloud

Your VPCs

Subnets

Route tables

Internet gateways

Egress-only internet gateways

Carrier gateways

DHCP option sets

Elastic IPs

Managed prefix lists

Endpoints

Endpoint services

NAT gateways

Peering connections

Security

Network ACLs

Security groups

DNS firewall

Rule groups

Subnets (10)

Info

Filter subnets

1

Create subnet

	Name	Subnet ID	State	VPC	IPv4 CIDR	IP
<input type="checkbox"/>	workshop-vpc-sub...	subnet-0f428c14df4355229	Available	vpc-0e46b2990adbde9f7   w...	10.0.128.0/20	-
<input type="checkbox"/>	workshop-vpc-sub...	subnet-0a3e603001c668b9b	Available	vpc-0e46b2990adbde9f7   w...	10.0.16.0/20	-
<input type="checkbox"/>	-	subnet-0e95f8e95c1fbfb2a	Available	vpc-0c42690808ac026d4	172.31.64.0/20	-
<input type="checkbox"/>	-	subnet-004bc0a6e698990c5	Available	vpc-0c42690808ac026d4	172.31.16.0/20	-
<input type="checkbox"/>	workshop-vpc-sub...	subnet-0483d89070672c7b3	Available	vpc-0e46b2990adbde9f7   w...	10.0.0.0/20	-
<input type="checkbox"/>	-	subnet-0e380aa084cae8ed4	Available	vpc-0c42690808ac026d4	172.31.0.0/20	-
<input type="checkbox"/>	-	subnet-0fd47e90c7715ce1	Available	vpc-0c42690808ac026d4	172.31.32.0/20	-

Select a subnet

CloudShell

Feedback

Language

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# Route Tables:

aws

Services

Search

[Option+S]

N. Virginia

workshop-user @ 1229-0085-6042

VPC dashboard

EC2 Global View

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Route tables (5)

Info

Find resources by attribute or tag

1

Create route table

	Name	Route table ID	Explicit subnet associati...	Edge associations	Main	VPC
<input type="checkbox"/>	workshop-vpc-rtb-private2-us-east-1b	rtb-03c0036606090b0ee	subnet-09869fc12b2d85...	-	No	vpc-0e46b29
<input type="checkbox"/>	workshop-vpc-rtb-public	rtb-05d5dabd243c310a7	2 subnets	-	No	vpc-0e46b29
<input type="checkbox"/>	-	rtb-06cf914fc4918272f	-	-	Yes	vpc-0e46b29
<input type="checkbox"/>	-	rtb-0e283b49b5b77adb0	-	-	Yes	vpc-0c42690
<input type="checkbox"/>	workshop-vpc-rtb-private1-us-east-1a	rtb-0c6db3d2a5bbb6adb	subnet-0f428c14df4355...	-	No	vpc-0e46b29

Select a route table

CloudShell

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Output:

