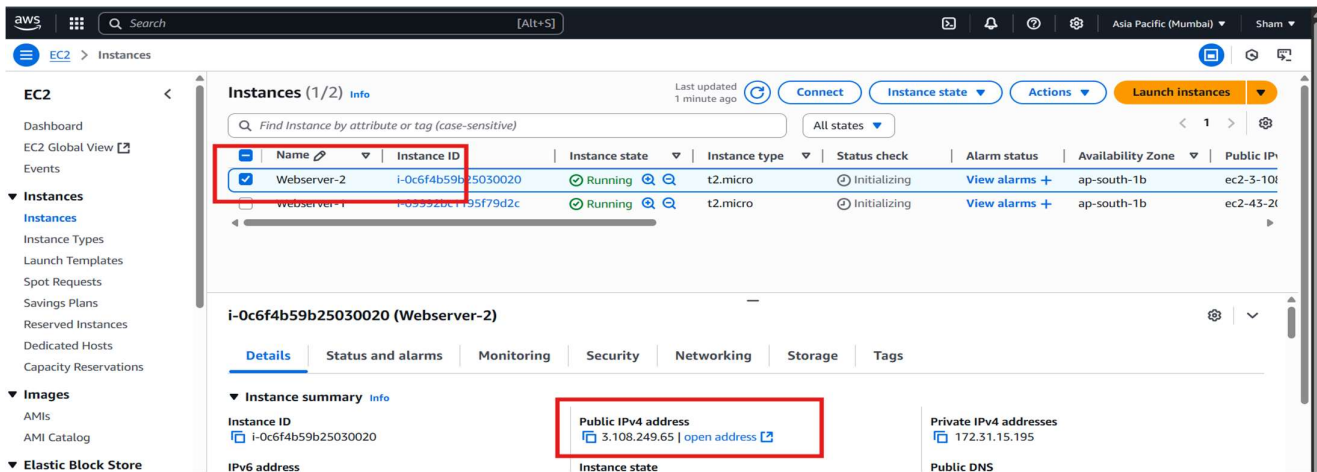
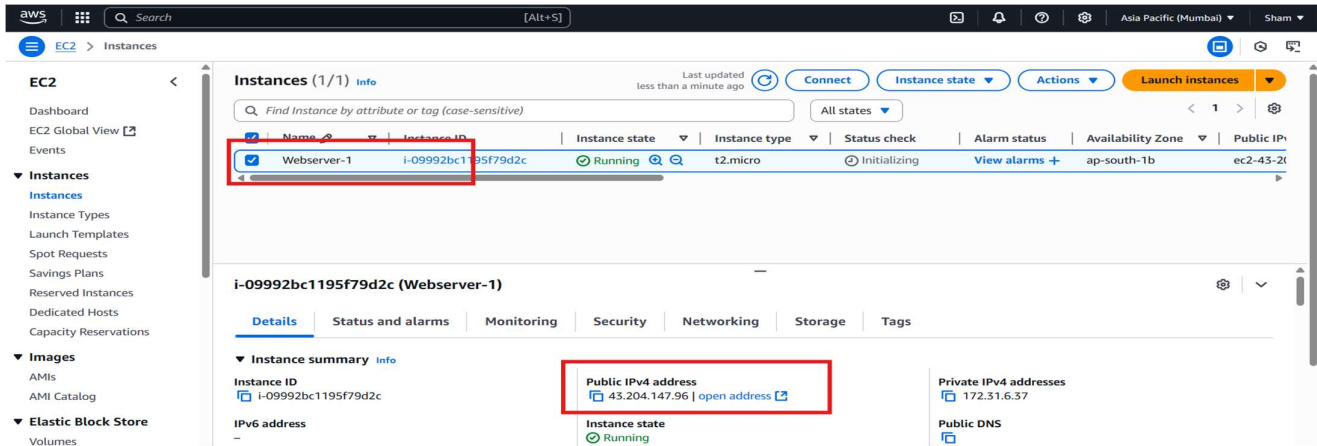
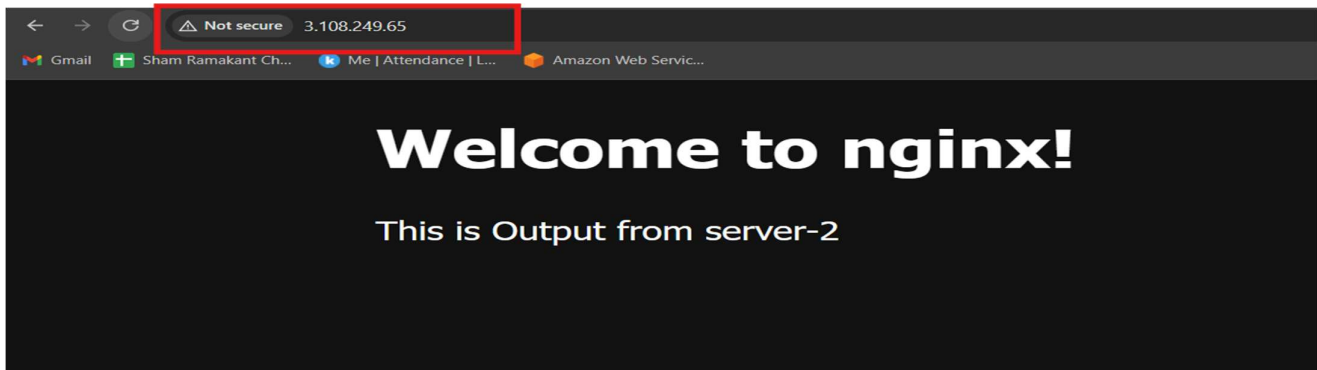
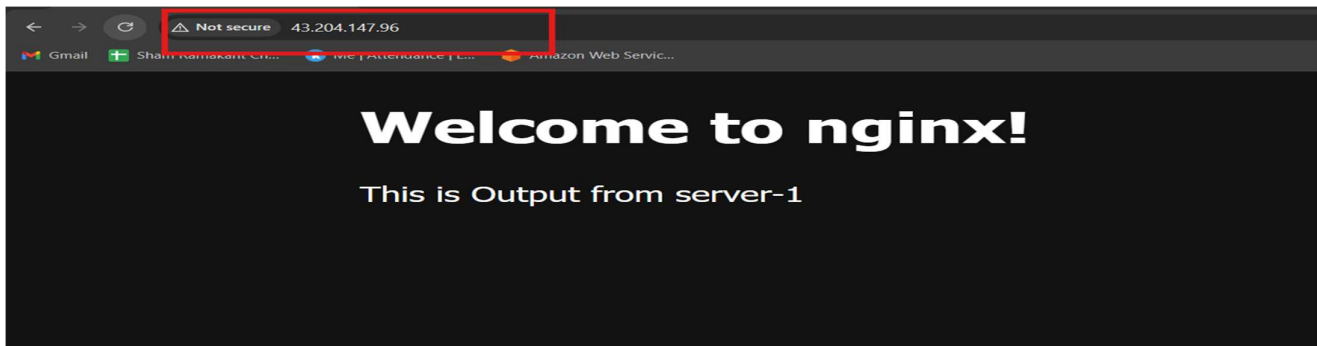


Setup NGINX Load Balancer with Domain and Redirection

1. Launch an EC2 instance with NGINX.



2. Installing NGINX on both servers.



3. Creating Target Group.

LB-TG

Details

Target type: Instance
Protocol: HTTP, Port: 80
VPC: vpc-07733512a2507caba

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

Registered targets (2)

Instance ID	Name	Port	Zone	Health status	Health status details	Admin...	Overrid...	Launch...	Anomaly detection...
i-0c6f4b59b25030020	Webserver-2	80	ap-south-1b (a...	Healthy	-	No override	No override	June 19, 2...	Normal
i-09992bc1195f7962c	Webserver-1	80	ap-south-1b (a...	Healthy	-	No override	No override	June 19, 2...	Normal

4. Creating Load Balancer and Mapped to Target Group.

WB-LB

Details

Load balancer type: Application
Scheme: Internet-facing
Status: Active
VPC: vpc-07733512a2507caba

Listeners and rules (1)

Protocol:Port	Default action	Rules	ARN	Security policy	Default SSL/TLS certificate	mTLS	Trust store
HTTP:80	Forward to target group • LB-10 (2) (100%) • Target group stickiness: Off	1 rule	ARN	Not applicable	Not applicable	Not applicable	Not applic...

5. Verify web Server via Load Balancer DNS.

Not secure wb-lb-1427228839.ap-south-1.elb.amazonaws.com

Welcome to nginx!

This is Output from server-2

Not secure wb-lb-1427228839.ap-south-1.elb.amazonaws.com

Welcome to nginx!

This is Output from server-1

6. Point A Load Balancer to A Domain

MANAGE DNS RECORDS

For globaltest24.online

[ALL RECORDS](#) | [A](#) | [AAAA](#) | [MX](#) | [CNAME](#) | [NS](#) | [TXT](#) | [SRV](#) | [SOA](#)

ADD CNAME RECORD

DOMAIN/SUB-DOMAIN	IN	CNAME	SUB-DOMAIN/FULLY QUALIFIED DOMAIN*
TTL (Time to Live) Choose TTL			

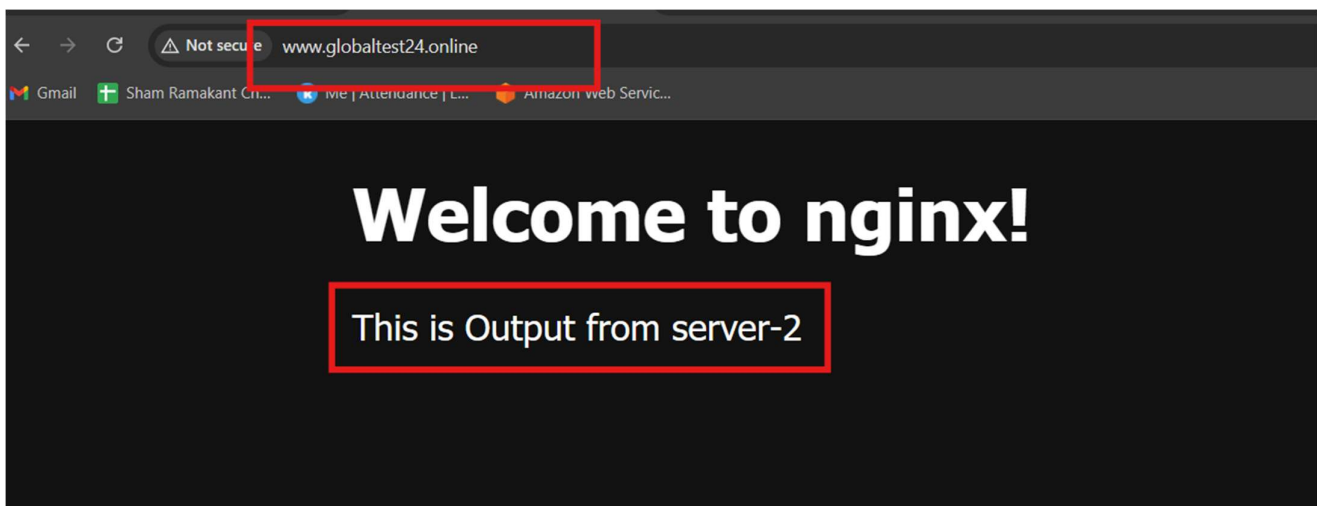
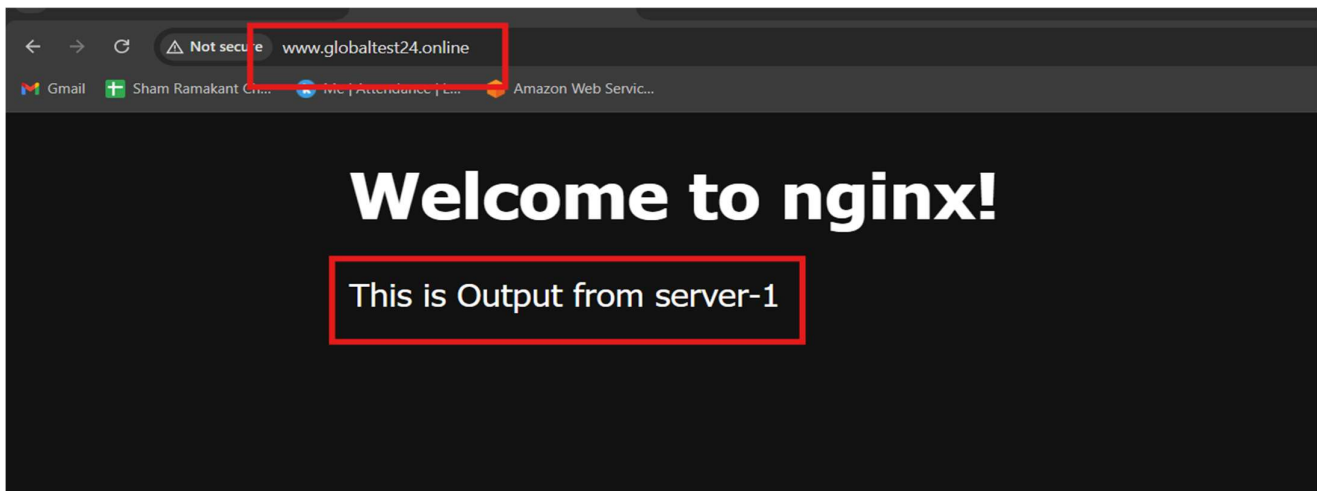
These changes will take 4-6 hours to come into effect.

[+ Add Another Record](#)

SAVE RECORD(S)

CURRENT RECORDS (1)

www.globaltest24.online	IN	CNAME	wb-lb-1427228839.ap-south-1.elb.amazonaws.com
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7. Point A Load Balancer to Route 53

The screenshot shows the AWS Route 53 console. On the left, the 'Route 53' sidebar is visible with options like Dashboard, Hosted zones, Health checks, Profiles, IP-based routing, Traffic flow, Domains, and Resolver. The main area displays 'Hosted zones (1/1)' for 'sbiswas.in.net'. A table lists the hosted zone with columns: Hosted zone name, Type, Created by, and Record count. The zone is 'Public' and created by 'Route 53', with a record count of 4. On the right, details for the hosted zone are shown, including the Hosted zone name, ID, Description, Query log, Type, Record count, and Name servers.

Hosted zone name	Type	Created by	Record count
sbiswas.in.net	Public	Route 53	4

Hosted zone details:

- Hosted zone name: sbiswas.in.net
- Hosted zone ID: Z0462358WN393WXZZ42A
- Description: -
- Query log: -
- Type: Public hosted zone
- Record count: 4
- Name servers:
 - ns-924.awsdns-51.net
 - ns-1661.awsdns-15.co.uk
 - ns-273.awsdns-34.com
 - ns-1527.awsdns-62.org

The screenshot shows the 'Records' page for the 'sbiswas.in.net' hosted zone. The 'Records (4)' tab is selected. A table lists the records with columns: Record name, Type, Routing type, Differ..., Alias, and Value/Route traffic to. The records are:

Record name	Type	Routing type	Differ...	Alias	Value/Route traffic to
sbiswas.in.net	A	Simple	-	Yes	dualstack.wb-lb-142722839.ap-south-1.elb.amazonaws.com
sbiswas.in.net	NS	Simple	-	No	ns-924.awsdns-51.net, ns-1661.awsdns-15.co.uk, ns-273.awsdns-34.com, ns-1527.awsdns-62.org
sbiswas.in.net	SOA	Simple	-	No	ns-924.awsdns-51.net-aws
www.sbiswas.in.net	CNAME	Simple	-	No	WB-LB-1427228839.ap-south-1.elb.amazonaws.com

Output from Type: A

The screenshot shows a web browser with the address bar displaying 'sbiswas.in.net'. The page content is a black background with white text that reads: 'Welcome to nginx!' and 'This is Output from server-1'.

The screenshot shows a web browser with the address bar displaying 'sbiswas.in.net'. The page content is a black background with white text that reads: 'Welcome to nginx!' and 'This is Output from server-2'.

Output from Type: CName

