

Module3: ELB :Case study :

Problem Statement:

You work for XYZ Corporation that uses on premise solutions and some limited number of systems. With the increase in requests in their application, the load also increases. So, to handle the load the corporation had to buy more systems almost on regular basis. Realizing the need to cut down the expenses on systems, they decided to move their infrastructure on AWS.

Once migrated, you have been asked to:

1. Manage the scaling requirements of the company by:
 - Deploying multiple compute resources on the cloud as soon as the load increases and the CPU utilization exceeds 80%
 - Removing the resources when the CPU utilization goes under 60%
2. Create a Load balancer to distribute the load between compute resources
3. Route the traffic to the company's domain

Note: You can get a free domain from [Freenom](#)

1 Create 2 instances ;

Create a load balancer to distribute the load b/w compute resources :

The screenshot shows the AWS Management Console interface for launching an EC2 instance. The 'Launch an instance' page is active, displaying various configuration options. The 'Name and tags' section has 'webserver1' entered. The 'Application and OS Images (Amazon Machine Image)' section shows a 'Quick Start' carousel with options for Amazon Linux, macOS, Ubuntu, Windows, and Red Hat. The 'Summary' section on the right shows 'Number of instances' set to 2, 'Software Image (AMI)' as Canonical, Ubuntu, 22.04 LTS, 'Virtual server type (instance type)' as t2.micro, 'Firewall (security group)' as New security group, and 'Storage (volumes)' as 1 volume(s) - 8 GiB. A 'Free tier' notification box is also visible, stating that the first year includes 750 hours of t2.micro usage. At the bottom, there are 'Cancel' and 'Launch instance' buttons.

us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#Instances:

Successfully terminated i-0f59111efc07a20e0j-0f031db6b0ec05cf4

Instances (1/4) Info

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IPv4 DNS	Public IPv4 ...	Elastic IP
webserver1	i-02d18bd0ef74270db	Running	t2.micro	2/2 checks passed	No alarms	us-east-1c	ec2-44-204-4-71.comp...	44.204.4.71	-
webserver2	i-07d31612f4af3a020	Running	t2.micro	2/2 checks passed	No alarms	us-east-1c	ec2-54-157-198-105.co...	54.157.198.105	-
webserver1	i-0f59111efc07a20e0	Terminated	t2.micr	-	No alarms	us-east-1c	-	-	-

Instance: i-07d31612f4af3a020 (webserver2)

Details Security Networking Storage Status checks Monitoring Tags

▼ Instance summary Info

Instance ID: i-07d31612f4af3a020 (webserver2)

IP address: -

Host name type: IP name: ip-172-31-80-246.ec2.internal

Answer private resource DNS name: IPv4 (A)

Auto-assigned IP address: 54.157.198.105 [Public IP]

IAM Role: -

Public IPv4 address: 54.157.198.105 [open address]

Instance state: Running

Private IP DNS name (IPv4 only): ip-172-31-80-246.ec2.internal

Instance type: t2.micro

VPC ID: vpc-084a9157925cb8948

Subnet ID: subnet-0ca976a93f8413d3c

Private IPv4 addresses: 172.31.80.246

Public IPv4 DNS: ec2-54-157-198-105.compute-1.amazonaws.com [open address]

Elastic IP addresses: -

AWS Compute Optimizer finding: Opt-in to AWS Compute Optimizer for recommendations. [Learn more]

Auto Scaling Group name: -

us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#SelectCreateELBWizard:

Choose an Application Load Balancer when you need a flexible feature set for your applications with HTTP and HTTPS traffic. Operating at the request level, Application Load Balancers provide advanced routing and visibility features targeted at application architectures, including microservices and containers. [Create]

Choose a Network Load Balancer when you need ultra-high performance, TLS offloading at scale, centralized certificate deployment, support for UDP, and static IP addresses for your applications. Operating at the connection level, Network Load Balancers are capable of handling millions of requests per second securely while maintaining ultra-low latencies. [Create]

Choose a Gateway Load Balancer when you need to deploy and manage a fleet of third-party virtual appliances that support GENEVE. These appliances enable you to improve security, compliance, and policy controls. [Create]

▼ Classic Load Balancer - previous generation

Classic Load Balancer Info

Choose a Classic Load Balancer when you have an existing application running in the EC2-Classical network.

AWS will be retiring the EC2-Classical network on August 15, 2022. [Learn more]

[Create]

Close

us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#CreateELBWizard:

Services

Search

[Alt+S]

EC2

1. Define Load Balancer

2. Assign Security Groups

3. Configure Security Settings

4. Configure Health Check

5. Add EC2 Instances

6. Add Tags

7. Review

Step 1: Define Load Balancer

Basic Configuration

This wizard will walk you through setting up a new load balancer. Begin by giving your new load balancer a unique name so that you can identify it from other load balancers you might create. You will also need to configure ports and protocols for your load balancer. Traffic from your clients can be routed from any load balancer port to any port on your EC2 instances. By default, we've configured your load balancer with a standard web server on port 80.

Load Balancer name:

classic-demo

Create LB inside:

My Default VPC (172.31.0.0/16)

Create an internal load balancer:

☐ (what's this?)

Enable advanced VPC configuration:

☐

Listener Configuration:

Load Balancer Protocol	Load Balancer Port	Instance Protocol	Instance Port
HTTP	80	HTTP	80

Add

Cancel

Next: Assign Security Groups

us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#CreateELBWizard:

Services

Search

[Alt+S]

EC2

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7. Review

Step 2: Assign Security Groups

You have selected the option of having your Elastic Load Balancer inside of a VPC, which allows you to assign security groups to your load balancer. Please select the security groups to assign to this load balancer. This can be changed at any time.

Assign a security group:

☐ Create a new security group

☒ Select an existing security group

Filter: VPC security groups

Security Group ID	Name	Description	Actions
<input checked="" type="checkbox"/> sg-02042e78c08d404	default	default VPC security group	Copy to new
<input type="checkbox"/> sg-0602d0bc78e754c32	launch-wizard-1	launch-wizard-1 created 2023-01-03T19:39:10.927Z	Copy to new
<input type="checkbox"/> sg-0317be02d0f0d837	launch-wizard-2	launch-wizard-2 created 2023-01-04T04:27:25.567Z	Copy to new
<input type="checkbox"/> sg-059f58fa3af5ea53b	launch-wizard-3	launch-wizard-3 created 2023-01-05T04:55:43.887Z	Copy to new
<input type="checkbox"/> sg-0d6440a8a9e233293	launch-wizard-4	launch-wizard-4 created 2023-01-05T15:25:57.489Z	Copy to new
<input type="checkbox"/> sg-0d96ab53a7c9c8b11	launch-wizard-5	launch-wizard-5 created 2023-01-05T18:58:41.877Z	Copy to new

Cancel

Previous

Next: Configure Security Settings

EC2

1. Define Load Balancer

2. Assign Security Groups

3. Configure Security Settings

4. Configure Health Check

5. Add EC2 Instances

6. Add Tags

7. Review

Step 5: Add EC2 Instances

The table below lists all your running EC2 instances. Check the boxes in the Select column to add those instances to this load balancer.

VPC vpc-084a9157925cb8948 (172.31.0.0/16)

<input type="checkbox"/>	Instance	Name	State	Security groups	Zone	Subnet ID	Subnet CIDR
<input type="checkbox"/>	i-02d18bd0ef74270db	webserver1	running	launch-wizard-5	us-east-1c	subnet-0ca976a...	172.31.80.0/20
<input type="checkbox"/>	i-07d31612f4a3a020	webserver2	running	launch-wizard-5	us-east-1c	subnet-0ca976a...	172.31.80.0/20

Availability Zone Distribution

2 instances in us-east-1c

☒ Enable Cross-Zone Load Balancing ⓘ

☒ Enable Connection Draining ⓘ seconds

Cancel

Previous

Next: Add Tags

Feedback

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EC2

1. Define Load Balancer

2. Assign Security Groups

3. Configure Security Settings

4. Configure Health Check

5. Add EC2 Instances

6. Add Tags

7. Review

Step 7: Review

Please review the load balancer details before continuing

Define Load Balancer

Edit load balancer definition

Load Balancer name: classic-demo

Scheme: internet-facing

Port Configuration: 80 (HTTP) forwarding to 80 (HTTP)

Configure Health Check

Edit health check

Ping Target: HTTP:80/index.html

Timeout: 5 seconds

Interval: 30 seconds

Unhealthy threshold: 2

Healthy threshold: 10

Add EC2 Instances

Edit instances

Cross-zone load balancing: Enabled

Connection Draining: Enabled, 300 seconds

Instances: i-02d18bd0ef74270db (webserver1), i-07d31612f4a3a020 (webserver2)

VPC Information

Edit subnets

VPC: vpc-084a9157925cb8948

Subnets: subnet-0ca976a93b413d3c, subnet-0d718c5100299eeb5, subnet-075837b649607ac20, subnet-0d1dfff32834bbe7, subnet-072324dc2b47ba28c, subnet-0e2f52920e8d0fc80

Security groups

Edit security groups

Security groups: sg-02042e78fc08df404

Cancel

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Load Balancer Creation Status

✓ Successfully created load balancer
Load balancer classic-demo was successfully created.
Note: It may take a few minutes for your instances to become active in the new load balancer.

Close

EC2 | Load balancers | classic-demo

Load balancer: classic-demo

Description Instances Health check Listeners Monitoring Tags Migration

Connection Draining: Enabled, 300 seconds (Edit)

Edit Instances

Instance ID	Name	Availability Zone	Status	Actions
i-02d10bd5ef74270db	webserver1	us-east-1c	InService ⓘ	Remove from Load Balancer
i-07d316124af3a020	webserver2	us-east-1c	InService ⓘ	Remove from Load Balancer

Edit Availability Zones

Availability Zone	Subnet ID	Subnet CIDR	Instance Count	Healthy?	Actions
us-east-1f	subnet-0e2f52920e0d01c80	172.31.64.0/20	0	No (Availability Zone contains no healthy targets)	Remove from Load Balancer
us-east-1e	subnet-0758370649607ac20	172.31.48.0/20	0	No (Availability Zone contains no healthy targets)	Remove from Load Balancer
us-east-1d	subnet-0d1df32034bbe7	172.31.16.0/20	0	No (Availability Zone contains no healthy targets)	Remove from Load Balancer
us-east-1c	subnet-0ca976e938413d3c	172.31.80.0/20	2	Yes	Remove from Load Balancer
us-east-1b	subnet-072324dc2847fa28c	172.31.0.0/20	0	No (Availability Zone contains no healthy targets)	Remove from Load Balancer
us-east-1a	subnet-0df18c5100299eeb5	172.31.32.0/20	0	No (Availability Zone contains no healthy targets)	Remove from Load Balancer

We will create image of the instance :

Now autoscaling :

Launch configuration :

aws

Services

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[Alt+S]

EC2

EC2 > Launch configurations > Create launch configuration

Create launch configuration

Info

⚠

Instead of using launch configurations to create your EC2 Auto Scaling groups, we recommend that you use launch templates and make use of the Auto Scaling guidance option. For more information on migrating launch configurations and using launch templates, [see the documentation](#).

Create launch template

Launch configuration name

Name

imm

Amazon machine image (AMI)

Info

AMI

imm

Instance type

Info

Instance type

t2.micro (1 vCPUs, 1 GiB, EBS Only)

Choose instance type

EC2

Instance type

Info

Instance type

t2.micro (1 vCPUs, 1 GiB, EBS Only)

Choose instance type

Additional configuration - optional

Purchasing option

Info

☐ Request Spot Instances

IAM instance profile

Info

Select IAM role

Monitoring

Info

☒ Enable EC2 Instance detailed monitoring within CloudWatch

EBS-optimized instance

☐ Launch as EBS-optimized instance

Advanced details

ⓘ Later, if you want to use a different launch configuration, you can create a new one and apply it to any Auto Scaling group. Existing launch configurations cannot be edited.

Storage (volumes)

Info

us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#CreateLaunchConfiguration:

EC2

<input checked="" type="checkbox"/>	sg-0d66ab53a7c9cf811	launch-wizard-5	vpc-084a9157925cb8948	launch-wizard-5 created 2023-01-05T18:58:41.877Z
<input type="checkbox"/>	sg-02042e78fc08df404	default	vpc-084a9157925cb8948	default VPC security group
<input type="checkbox"/>	sg-059f58fa3af5ea53b	launch-wizard-3	vpc-084a9157925cb8948	launch-wizard-3 created 2023-01-05T04:55:43.887Z
<input type="checkbox"/>	sg-0317be02dd0f0d837	launch-wizard-2	vpc-084a9157925cb8948	launch-wizard-2 created 2023-01-04T04:27:25.567Z
<input type="checkbox"/>	sg-0de440a8a9e233293	launch-wizard-4	vpc-084a9157925cb8948	launch-wizard-4 created 2023-01-05T15:25:57.489Z
<input type="checkbox"/>	sg-0602d0bc78e754c52	launch-wizard-1	vpc-084a9157925cb8948	launch-wizard-1 created 2023-01-03T19:39:10.927Z

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.

Key pair (login) [Info](#)

Key pair options

Choose an existing key pair

Existing key pair

intu

☒ I acknowledge that I have access to the selected private key file (intu.pem), and that without this file, I won't be able to log into my instance.

Cancel [Create launch configuration](#)

Recommendation to not use launch configurations
Amazon EC2 Auto Scaling no longer adds support for new EC2 instances types after December 31, 2022. We recommend that customers using launch configurations migrate to launch templates. For more information, see the documentation.

Successfully created launch configuration: inn

EC2 > Launch configurations

Launch configurations (1) [Info](#)

Search launch configurations

	Name	AMI ID	Instance type	Spot price	Creation time
<input type="checkbox"/>	inn	ami-0a422869ef...	t2.micro	-	Fri Jan 06 2023 02:05:30 GMT+0530 (India Standard Time)

Go to auto scaling groups

Services

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Choose instance launch options

Step 3 (optional)
Configure advanced options

Step 4 (optional)
Configure group size and scaling policies

Step 5 (optional)
Add notifications

Step 6 (optional)
Add tags

Step 7
Review

Name

Auto Scaling group name
Enter a name to identify the group.
infy
Must be unique to this account in the current Region and no more than 255 characters.

Launch configuration Info

Switch to launch template

⚠ Instead of using launch configurations to create your EC2 Auto Scaling groups, we recommend that you use launch templates and make use of the Auto Scaling guidance option. For more information on migrating launch configurations and using launch templates, see the documentation

Launch configuration
Choose a launch configuration that contains the instance-level settings, such as the Amazon Machine Image (AMI), instance type, key pair, and security groups.
inm
Create a launch configuration
Launch configuration
inm
AMI ID
ami-0a422869ef873b432
Date created
Fri Jan 06 2023 02:05:30 GMT+0530 (India Standard Time)
Security groups
sg-0d66ab53a7c9cf811
Instance type
t2.micro
Key pair name
intu

CancelNext

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Services

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Step 1
Choose launch template or configuration

Step 2
Choose instance launch options

Step 3 (optional)
Configure advanced options

Step 4 (optional)
Configure group size and scaling policies

Step 5 (optional)
Add notifications

Step 6 (optional)
Add tags

Step 7
Review

Choose instance launch options Info

Choose the VPC network environment that your instances are launched into, and customize the instance types and purchase options.

Network Info

For most applications, you can use multiple Availability Zones and let EC2 Auto Scaling balance your instances across the zones. The default VPC and default subnets are suitable for getting started quickly.

VPC
Choose the VPC that defines the virtual network for your Auto Scaling group.
vpc-084a9157925cb8948
172.31.0.0/16 Default
Create a VPC
Availability Zones and subnets
Define which Availability Zones and subnets your Auto Scaling group can use in the chosen VPC.
Select Availability Zones and subnets
us-east-1c | subnet-0ca976a93f8413d3c
172.31.80.0/20 Default
us-east-1b | subnet-072324dc2847fa28c
172.31.0.0/20 Default
us-east-1a | subnet-0df18c6100299eeb5
172.31.32.0/20 Default
Create a subnet

CancelPreviousSkip to reviewNext

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Scaling | Instance management | Monitoring | Instance refresh

Group size

Specify the size of the Auto Scaling group by changing the desired capacity. You can also specify minimum and maximum capacity limits. Your desired capacity must be within the limit range.

Desired capacity

Minimum capacity

Maximum capacity

Cancel Update

AMI	Instance type	Subnet	Key pair name	Create time
ami-us422869e673b432	m4.xlarge	sg-4d66ab53a7c9cf811		

For adding & removing click on step scaling policy from automatic SCALING :

us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#DynamicScalingPolicy:id=inty

aws Services Search [Alt+S]

EC2

EC2 > Auto Scaling groups > infy

Create dynamic scaling policy

Policy type

Step scaling

Scaling policy name

in-out

CloudWatch alarm

Choose an alarm that can scale capacity whenever:

Create a CloudWatch alarm

Take the action

Add

80 capacity units

Add step

Instances need

300 seconds warm up before including in metric

Cancel Create

us-east-1.console.aws.amazon.com/cloudwatch/home?region=us-east-1#alarmsV2:create?~(Page~MetricSelection~AlarmType~MetricAlarm~AlarmData~(Metrics~(---)~AlarmNa...

aws Services Search [Alt+S]

EC2

Select metric

0 18:15 18:30 18:45 19:00 19:15 19:30 19:45 20:00 20:15 20:30 20:45 21:00

Browse Query Graphed metrics Options Source

Add math Add query

Graph with SQL Graph search

Metrics (708)

Search for any metric, dimension, resource id or account id

ApplicationELB 9	DynamoDB 14	EBS 99	EC2 242
ELB 28	ElasticBeanstalk 1	Logs 2	RDS 88
S3 2	SNS 4	Usage 219	

Cancel Select a single metric to continue

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43°F Clear 2:30 1/6/2

Start x EC2 x Start x Inst x Dyn x Clou x Deta x Laun x Inbo x http x ubun x 44.2 x 54.1 x class x +

us-east-1.console.aws.amazon.com/cloudwatch/home?region=us-east-1#alarmsV2:create?~(Page~MetricSelection~AlarmType~MetricAlarm~AlarmData~(Metrics~(-)~AlarmNa...

Services Search [Alt+S]

Select metric

0 18:15 18:30 18:45 19:00 19:15 19:30 19:45 20:00 20:15 20:30 20:45 21:00

Browse

Query

Graphed metrics

Options

Source

Add math

Add query

Metrics (242)

Graph with SQL

Graph search

All > EC2

Search for any metric, dimension, resource id or account id

By Auto Scaling Group34

By Image (AMI) Id7

Per-Instance Metrics187

Aggregated by Instance Type7

Across All Instances7

Cancel

Select a single metric to continue

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Search

Services Search [Alt+S]

Send a notification to...

Default_CloudWatch_Alarms_Topic

X

Only email lists for this account are available.

Email (endpoints)

sonipurvi30sep@gmail.com - View in SNS Console

Add notification

Auto Scaling action

Add Auto Scaling action

EC2 action

This action is only available for EC2 Per-Instance Metrics.

Add EC2 action

Systems Manager action Info

This action will create an Incident or OpsItem in Systems Manager when the alarm is In alarm state.

Add Systems Manager action

Cancel

Previous

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EC2

EC2 > Auto Scaling groups > infy

Create dynamic scaling policy

Policy type

Step scaling

Scaling policy name

in-out

CloudWatch alarm

Choose an alarm that can scale capacity whenever:

Create a CloudWatch alarm

Take the action

Add

80

capacity units

Add step

Instances need

300

seconds warm up before including in metric

Cancel

Create

aws

Services

Search

[Alt+S]

EC2

EC2 > Auto Scaling groups > infy

Create dynamic scaling policy

Policy type

Step scaling

Scaling policy name

in-out

CloudWatch alarm

Choose an alarm that can scale capacity whenever:

nnn

Create a CloudWatch alarm

breaches the alarm threshold: CPUUtilization > 75 for 1 consecutive periods of 60 seconds for the metric dimensions:

AutoScalingGroupName = infy

Take the action

Add

0

capacity units

when

75

<=

CPUUtilization

<

+infinity

Add step

Instances need

300

seconds warm up before including in metric

Cancel

Create

Feedback

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Clear

Search

Taskbar icons

EC2

in-out

Step scaling

Enabled

nnn

breaches the alarm threshold: CPUUtilization > 75 for 1 consecutive periods of 60 seconds for the metric dimensions:

AutoScalingGroupName = infy

Add 1 capacity units when 80 <= CPUUtilization < +infinity

300 seconds to warm up after each step

Target Tracking Policy

Target tracking scaling

Enabled

As required to maintain Average CPU utilization at 80

Add or remove capacity units as required

300 seconds to warm up before including in metric

Enabled

n2

Step scaling

Enabled

nnn

breaches the alarm threshold: CPUUtilization > 75 for 1 consecutive periods of 60 seconds for the metric dimensions:

AutoScalingGroupName = infy

Add 0 capacity units when 75 <= CPUUtilization < +infinity

300 seconds to warm up after each step

us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#DynamicScalingPolicy:id=infy

EC2 > Auto Scaling groups > infy

Create dynamic scaling policy

Policy type
Step scaling

Scaling policy name
remove

CloudWatch alarm
Choose an alarm that can scale capacity whenever:
nnn

[Create a CloudWatch alarm](#)
breaches the alarm threshold: CPUUtilization > 75 for 1 consecutive periods of 60 seconds for the metric dimensions:
AutoScalingGroupName = infy

Take the action
Remove

2 capacity units when 60 <= CPUUtilization < +infinity

[Add step](#)

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

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EC2

New EC2 Experience Tell us what you think

EC2 Dashboard
EC2 Global View
Events
Tags
Limits

Instances

Instances

Instance Types
Launch Templates
Spot Requests
Savings Plans
Reserved Instances
Dedicated Hosts
Scheduled Instances
Capacity Reservations

Images

AMIs
AMI Catalog

Instances (4) Info

Find instance by attribute or tag (case-sensitive)

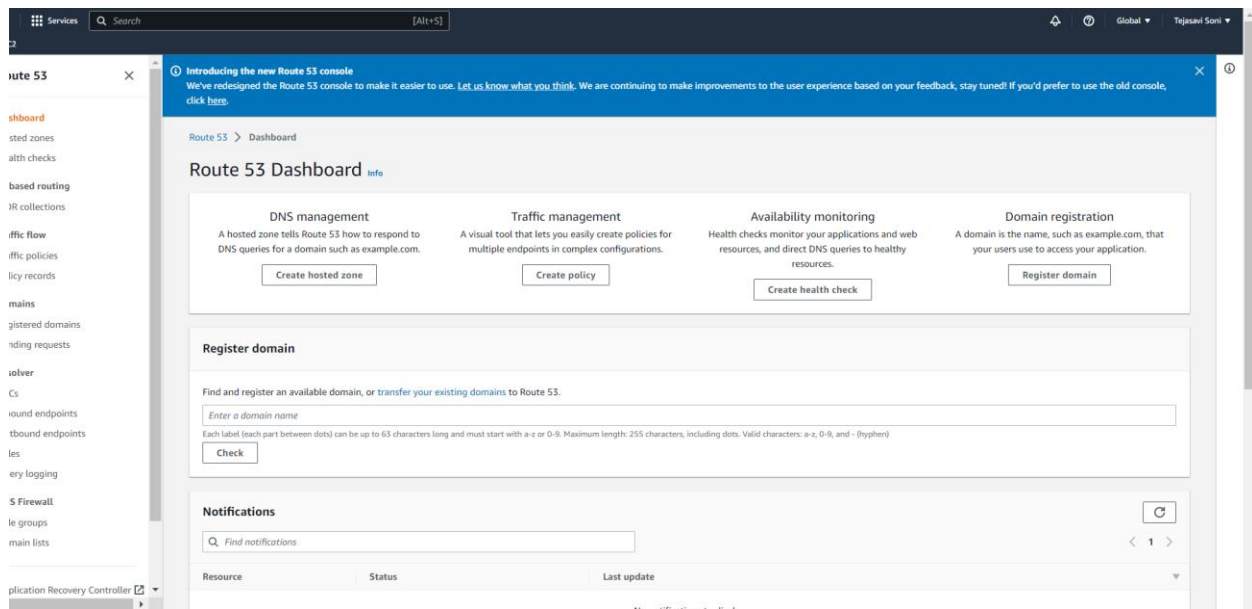
Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IPv4 DNS	Public IPv4 ...	Elastic IP	IF
webserver1	i-02d18bd0ef74270db	Running	t2.micro	2/2 checks passed	No alarms	us-east-1c	ec2-44-204-4-71.comp...	44.204.4.71	-	-
webserver2	i-07d31612f4af3a020	Running	t2.micro	2/2 checks passed	No alarms	us-east-1c	ec2-54-157-198-105.co...	54.157.198.105	-	-
-	i-089f71dbc62353121	Running	t2.micro	2/2 checks passed	No alarms	us-east-1c	ec2-3-83-159-135.com...	3.83.159.135	-	-
-	i-06877c212365b9219	Terminated	t2.micro	-	No alarms	us-east-1b	-	-	-	-

Select an instance

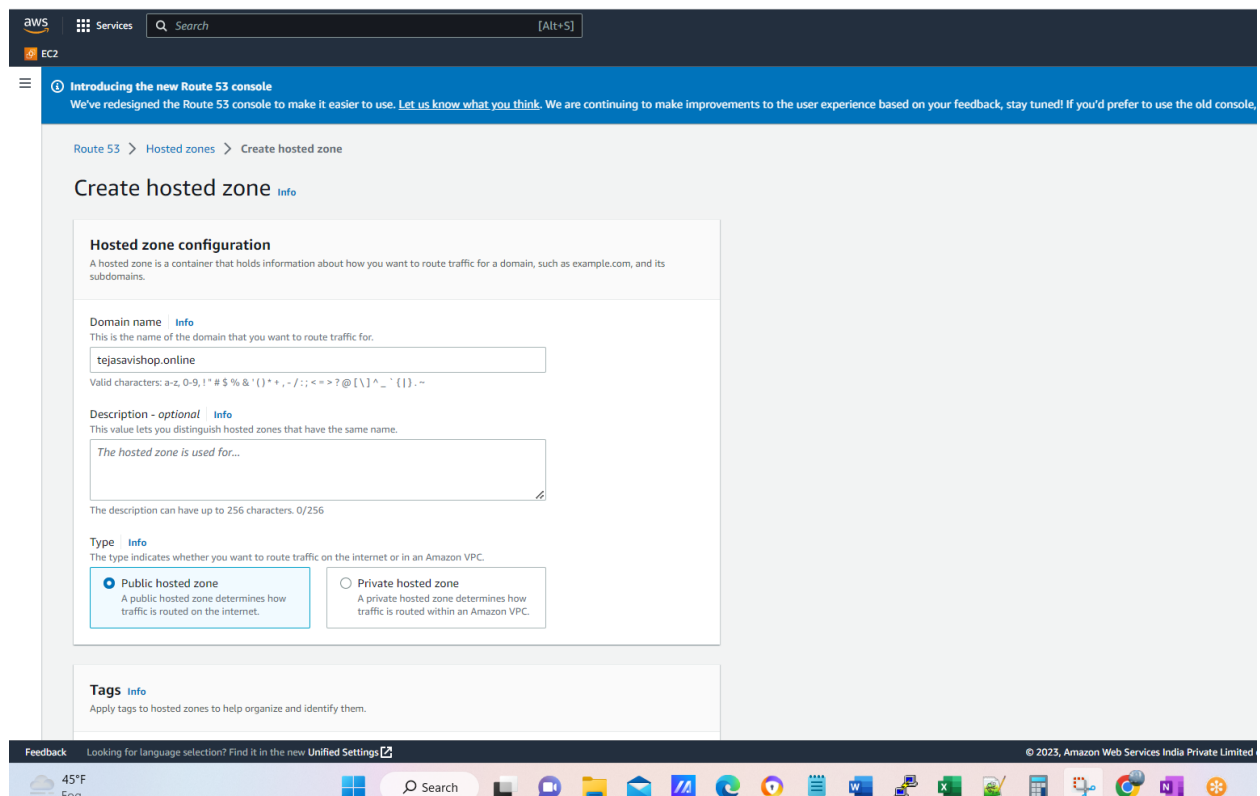
Automatically instances are creating

3. Route the traffic to the company's domain

Create one instance .Launch



Click on create hosted zone :



invoices

Search

[Alt+S]

Global

Tejasvi Soni

Introducing the new Route 53 console

We've redesigned the Route 53 console to make it easier to use. [Let us know what you think.](#) We are continuing to make improvements to the user experience based on your feedback, stay tuned! If you'd prefer to use the old console, [click here.](#)

tejasvishop.online was successfully created.

Now you can create records in the hosted zone to specify how you want Route 53 to route traffic for your domain.

Route 53 > Hosted zones > tejasvishop.online

Public

tejasvishop.online

Info

Delete zone

Test record

Configure query logging

Hosted zone details

Edit hosted zone

Records (2)

DNSSEC signing

Hosted zone tags (0)

Records (2) Info

Automatic mode is the current search behavior optimized for best filter results. [To change modes go to settings.](#)

Filter records by property or value

Type

Routing policy

Alias

< 1 >

<input type="checkbox"/>	Record name	Type	Routin...	Differ...	Value/Route traffic to
<input type="checkbox"/>	tejasvishop.online	NS	Simple	-	ns-778.awsdns-33.net. ns-285.awsdns-35.com. ns-1375.awsdns-43.org. ns-1885.awsdns-43.co.uk.
<input type="checkbox"/>	tejasvishop.online	SOA	Simple	-	ns-778.awsdns-33.net. awsdns-hostmaster.amazon.com. 1 7200 900 1209600 86400

Recovery Controller

IONOS

MENU

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You are using the IONOS name server (default setting).

Use custom name servers

NAME SERVER	TYPE
ns1108.ui-dns.biz	IONOS Nameserver
ns1094.ui-dns.org	IONOS Nameserver
ns1056.ui-dns.com	IONOS Nameserver
ns1066.ui-dns.de	IONOS Nameserver

Recommended help topics

🔗 Using Your Own Name Servers for a Domain

🔗 Configuring Glue Records for Name Servers

🔗 Resetting Your Domain's DNS Settings

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> tejasavishop.online

Use custom name servers

You can enter custom name servers if you want to transfer the DNS administration for your domain to another provider or if you want to operate your own name server.

Please note that your IONOS DNS zone settings are no longer used with custom name servers.

Before you switch, the necessary DNS entries must be made with the respective provider or external name server.

Name Server 1

ns-778.awsdns-33.net

Name Server 2

ns-285.awsdns-35.com

Name Server 3
(Optional)

ns-1375.awsdns-43.org

Name Server 4
(Optional)

ns-1885.awsdns-43.co.uk

Cancel

Save

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Name server successfully changed

Your custom name servers will be applied

It can take up to 48 hours for the changes to take effect with the other provider or your own name server. Your IONOS DNS zone settings will then be deactivated.

Open DNS settings

Go to Domain Overview

Recommended help topics

Using Your Own Name Servers for a Domain

Configuring Glue Records for Name Servers

Resetting Your Domain's DNS Settings

aws Services Search [Alt+S]

EC2

Route 53

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Hosted zones
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▼ Traffic flow
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Rules
Query logging

▼ DNS Firewall
Rule groups
Domain lists

Introducing the new Route 53 console
We've redesigned the Route 53 console to make it easier to use. Let us know what you think. We are continuing to make improvements to the user experience based on your feedback, stay tuned! If you'd prefer to use the old console, click here.

Route 53 > Hosted zones > tejasavishop.online

Public tejasavishop.online Info Delete zone Test record Configure query logging

Hosted zone details Edit hosted zone

Records (2) DNSSEC signing Hosted zone tags (0)

Records (2) Info
Automatic mode is the current search behavior optimized for best filter results. To change modes go to settings.

Filter records by property or value Type Routing policy Alias

Record name	Type	Routin...	Differ...	Value/Route traffic to
tejasavishop.online	NS	Simple	-	ms-778.awsdns-33.net. ms-285.awsdns-35.com. ms-1375.awsdns-43.org. ms-1885.awsdns-43.co.uk.
tejasavishop.online	SOA	Simple	-	ms-778.awsdns-33.net. awsdns-hostmaster.amazon.com. 1 7200 900 1209600 86400

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Click on create record :

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EC2

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▼ Record 1 Delete

Record name Info
subdomain tejasavishop.online
Keep blank to create a record for the root domain.

Record type Info
A – Routes traffic to an IPv4 address and some AWS resources

Alias

Value Info
3.1.81.93
Enter multiple values on separate lines.

TTL (seconds) Info
300 1m 1h 1d
Recommended values: 60 to 172800 (two days)

Routing policy Info
Simple routing

Add another record

Cancel Create records

► View existing records
The following table lists the existing records in tejasavishop.online.

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us-east-1.console.aws.amazon.com/route53/v2/hostedzones/ListRecordSets/Z07903763NSGGTWQTLZ1

WS Services Search [Alt+S]

EC2

Route 53

- Dashboard
- Hosted zones**
- Health checks
- IP-based routing
- CIDR collections
- Traffic flow
- Traffic policies
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Record for tejasavishop.online was successfully created.
Route 53 propagates your changes to all of the Route 53 authoritative DNS servers within 60 seconds. Use "View status" button to check propagation status. [View status](#)

Route 53 > Hosted zones > tejasavishop.online

Public tejasavishop.online [Info](#) [Delete zone](#) [Test record](#) [Configure query logging](#)

Hosted zone details [Edit hosted zone](#)

Records (3) | DNSSEC signing | Hosted zone tags (0)

Records (3) [Info](#) [Refresh](#) [Delete record](#) [Import zone file](#) [Create record](#)

Automatic mode is the current search behavior optimized for best filter results. To change modes go to settings.

Filter records by property or value Type Routing policy Alias

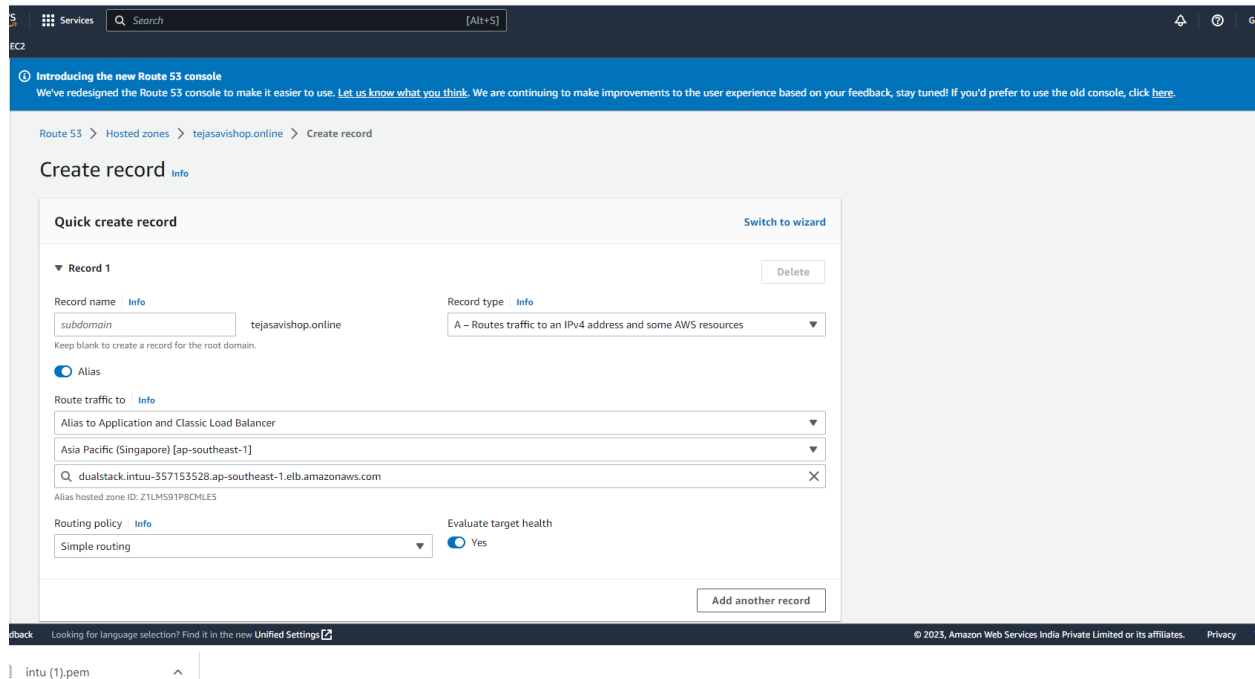
<input type="checkbox"/>	Record name	Type	Routin...	Differ...	Value/Route traffic to
<input type="checkbox"/>	tejasavishop.online	A	Simple	-	3.1.81.93
<input type="checkbox"/>	tejasavishop.online	NS	Simple	-	ns-778.awsdns-33.net. ns-285.awsdns-35.com. ns-1375.awsdns-43.org. ns-1885.awsdns-43.co.uk.
<input type="checkbox"/>	tejasavishop.online	SOA	Simple	-	ns-778.awsdns-33.net. awsdns-hostmaster.amazon.com. 1 7200 900 1209600 86400

While typing tejasavishop.online:

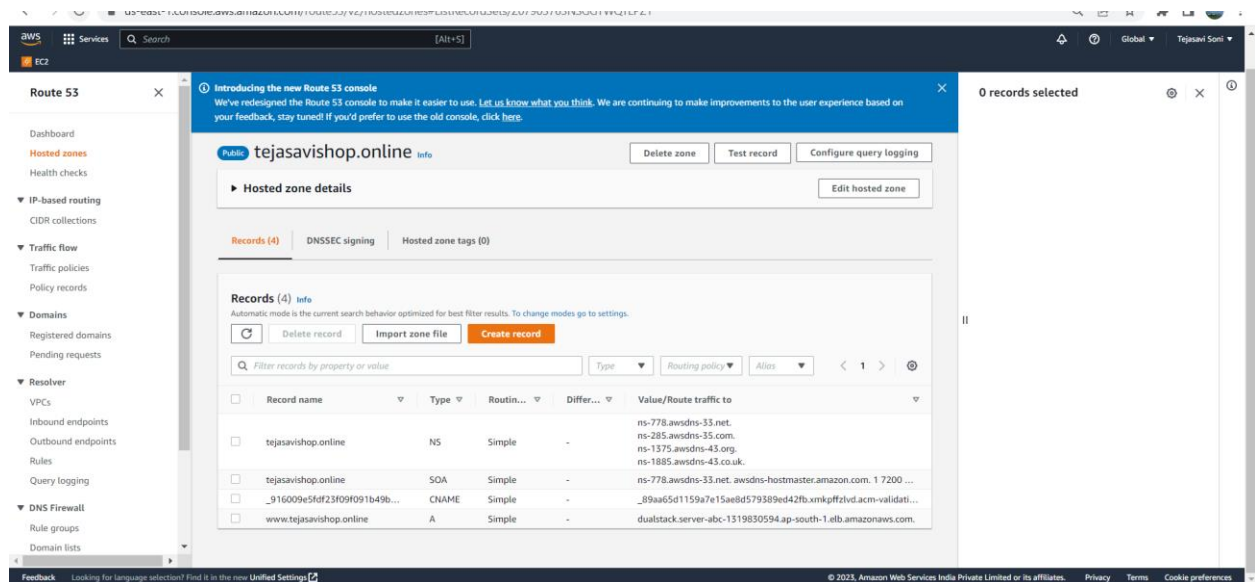
Start C: X | Instance X | Start C: X | tejasavi X | Load b: X | Target: X | EC2 Ins: X | EC2 Ins: X | 18.142... X | tejasavi X | IONOS X | intuitu-7 X | +

Not secure | tejasavishop.online

hi thi sis webserver!



For routing load balancer traffic →



Create record with alias name as application load balancer .

Now search with :

www.tejasavishop.online in the browser and refresh the page ,we will see website traffic is routing to server1 and server2 simultaneously .

← → ↻ ⚠ Not secure | server-abc-1319830594.ap-south-1.elb.amazonaws.com 🔖 ☆ 🏠 🌐 ⋮

this is server222

← → ↻ ⚠ Not secure | server-abc-1319830594.ap-south-1.elb.amazonaws.com 🔖 ☆ 🏠 🌐 ⋮

hi this is swerver1

-----X-----