

**TO
THE
NEW**™



AutoScaling and Load Balancer

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College : UPES

1.Differences between ELB, ALB, and NLB. Where will you use which one?

Ans.

Elastic Load Balancer	Application Load Balancer	Network Load Balancer
No target groups needed	Target Groups are involved	Target Groups are involved
Works on layer 4 of OSI	Works on layer 7 of OSI	Works on layer 4 of OSI

- ELB :If we need to redirect loads on EC2 classic instances or on individual instances, use ELB
- ALB: If we need to redirect traffic on the basis of instances, IP's and Lambdas or we need to load balance HTTP and HTTPS traffic, or we need to redirect load based on hosts and paths use ALB.
- NLB: If we need to redirect TCP traffic , use NLB.

2.Differences between step scaling and target scaling.

Ans.

Step Scaling	Target Scaling
With the help of this we can specify multiple threshold values for different responses.	Here we can specify a threshold based on a particular target, for example if we have CPU utilization above 30, it will launch a new instance.
Used for fine grained control	Used generally

3.Differences between Launch configuration and launch template.

Ans.

Launch Configuration	Launch Template
Configurations cannot be versioned	Templates can be versioned
Old.(less options)	New.(Allows advanced options)
No T2 unlimited access	T2 unlimited access

4.Differences between EC2 health check and load balancer health check.

Ans.

EC2 Health Check : Watches for instance availability from hypervisor and networking point of view.So if instance is wrongly configured and does not respond to the network requests, it is marked as unhealthy.

ELB Health Check : This verifies network level availability.So it checks whether the specified tcp and http port is accepting requests or not.

SO in case of EC2 Health check even if the instance itself is healthy (namely, the instance is reachable, hasn't crashed, etc.), our application may have died within the instance. With the EC2 health check, we really don't know if our application can handle requests or is still performing its duties correctly.

If we set the Health Check Type to ELB, then we can be sure that even if the ELB health check is failing, the instance will be terminated and a new one will take its place, giving us true failover in the event that our application goes down. As a bonus, if the EC2 instance itself goes down, we will still get the proper failover from an ELB health check because our application will be unreachable to the ELB, deemed unhealthy, and subsequently destroyed by the auto scaling group.

5. Create 2 auto-scaling groups with

5.1 launch configuration and

Ans.

1. Choose AMI2. Choose Instance Type3. Configure details4. Add Storage5. Configure Security Group6. Review

Create Launch Configuration

Name ⓘ

Chhavi-LaunchConfig

Purchasing option ⓘ

☐ Request Spot Instances

IAM role ⓘ

None ▾

Monitoring ⓘ

☐ Enable CloudWatch detailed monitoring
[Learn more](#)

▶ 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.

Cancel

Previous

Skip to review

Next: Add Storage

1. Configure Auto Scaling group details2. Configure scaling policies3. Configure Notifications4. Configure Tags5. Review

Create Auto Scaling Group

Group name ⓘ

Chhavi-ASG


Launch Configuration ⓘ

Chhavi-LaunchConfig


Group size ⓘ

Start with 1 instances

Network ⓘ

vpc-d38d68b7 (172.31.0.0/16) | default (default)  Create new VPC

Subnet ⓘ

subnet-06680a5b651f104dc(172.31.0.0/16) | us-east-1c  Create new subnet

subnet-06680a5b651f104dc(172.31.0.0/16) | us-east-1c a public IP address. ⓘ

▶ Advanced Details

Create Auto Scaling Group

☐ Keep this group at its initial size

☒ Use scaling policies to adjust the capacity of this group

Scale between and instances. These will be the minimum and maximum size of your group.

Scale Group Size

Name:

Metric type:

Target value:

Instances need: seconds to warm up after scaling

Disable scale-in: ☐

Scale the Auto Scaling group using step or simple scaling policies [i](#)

[Cancel](#)

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[Review](#)

[Next: Configure Notifications](#)

1. Configure Auto Scaling group details

2. Configure scaling policies

3. Configure Notifications

4. Configure Tags

5. Review

Create Auto Scaling Group

▼ Auto Scaling Group Details

[Edit details](#)

Group name Chhavi-ASG
Group size 1
Minimum Group Size 1
Maximum Group Size 2
Subnet(s) subnet-06680a5b651f104dc
Health Check Grace Period 300
Detailed Monitoring No
Instance Protection None
Service-Linked Role AWSServiceRoleForAutoScaling

▼ Scaling Policies

[Edit scaling policies](#)

Scale Group Size Maintain metric type Average CPU Utilization at target value 70, with 150 seconds for instances to warm up.

▼ Notifications

[Edit notifications](#)

[Cancel](#)

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[Create Auto Scaling group](#)


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Auto Scaling group creation status

 **Successfully created Auto Scaling group**
[View creation log](#)

▼ View

- [View your Auto Scaling groups](#)
- [View your launch configurations](#)

► Here are some helpful resources to get you started

5.2 launch template

Ans.

EC2 > Launch templates > Create launch template

Create launch template

Creating a launch template allows you to create a saved instance configuration that can be reused, shared and launched at a later time. Templates can have multiple versions.

Launch template name and description

Launch template name - *required*

Must be unique to this account. Max 128 chars. No spaces or special characters like '&', '*', '@'.

Template version description

Max 255 chars

Auto scaling guidance [Info](#)

Select this if you intend to use this template with auto scaling

☐ Provide guidance to help me set up a template that I can use with auto scaling

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Amazon machine image (AMI) [Info](#)

AMI

Ubuntu Server 18.04 LTS (HVM), SSD Volume Type
ami-07ebfd5b3428b6f4d
Catalog: Quick Start architecture: 64-bit (x86) virtualization: hvm

Instance type [Info](#)

Instance type

t2.micro
Family: General purpose 1 vCPU 1 GiB Memory
On-Demand Linux pricing: 0.0116 USD per Hour
On-Demand Windows pricing: 0.0162 USD per Hour

Key pair (login) [Info](#)

Instance tags [Info](#)

Key [Info](#)

Value [Info](#)

Tag instances [Info](#)

Tag volumes [Info](#)

owner

chhavi

purpose

asg

Add tag

☒ instances

☐ volumes

☒ instances

☐ volumes

Remove tag

Remove tag

48 remaining (Up to 50 tags maximum)

Network interfaces [Info](#)

No network interfaces are currently included in this template. Add a network interface to include it in the launch template.

1. Configure Auto Scaling group details2. Configure scaling policies3. Configure Notifications4. Configure Tags5. Review

Create Auto Scaling Group

Cancel and Exit

Group nameChhavi-ASG2

Launch TemplateIt-0ac76541b160efe14

Launch Template VersionDefault

Create new launch template

Launch Template DescriptionAsg using launch template

Fleet Composition

Adhere to the launch template

Combine purchase options and instances

The launch template determines the instance type and purchase option (On-Demand or Spot). Choose a mix of On-Demand Instances and Spot Instances and multiple instance types. Spot Instances are automatically launched at the lowest price available.

Group sizeStart with 1 instances

Networkvpc-d38d68b7 (172.31.0.0/16) | default (default)

Create new VPC

Subnetsubnet-06680a5b651f104dc(172.31.0.0/16) | us-east-1c

Cancel

Next: Configure scaling policies

1. Configure Auto Scaling group details2. Configure scaling policies3. Configure Notifications4. Configure Tags5. Review

Create Auto Scaling Group

Please review your Auto Scaling group details. You can go back to edit changes for each section. Click **Create Auto Scaling group** to complete the creation of an Auto Scaling group.

Auto Scaling Group Details

Edit details

Group nameChhavi-ASG2

Launch TemplateIt-0ac76541b160efe14

Launch Template VersionDefault

Launch Template DescriptionAsg using launch template

Group size1

Minimum Group Size1

Maximum Group Size2

Subnet(s)subnet-06680a5b651f104dc

Health Check Grace Period300

Detailed MonitoringNo

Instance ProtectionNone

Service-Linked RoleAWSServiceRoleForAutoScaling

Scaling Policies

Edit scaling policies

Cancel

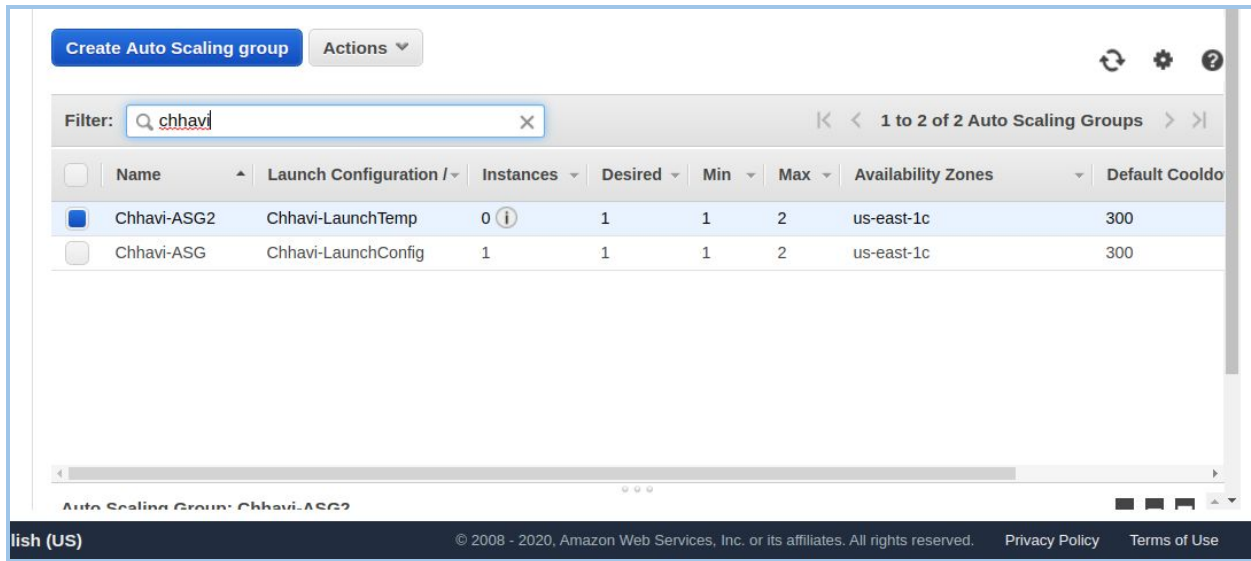
Previous

Create Auto Scaling group

Feedback

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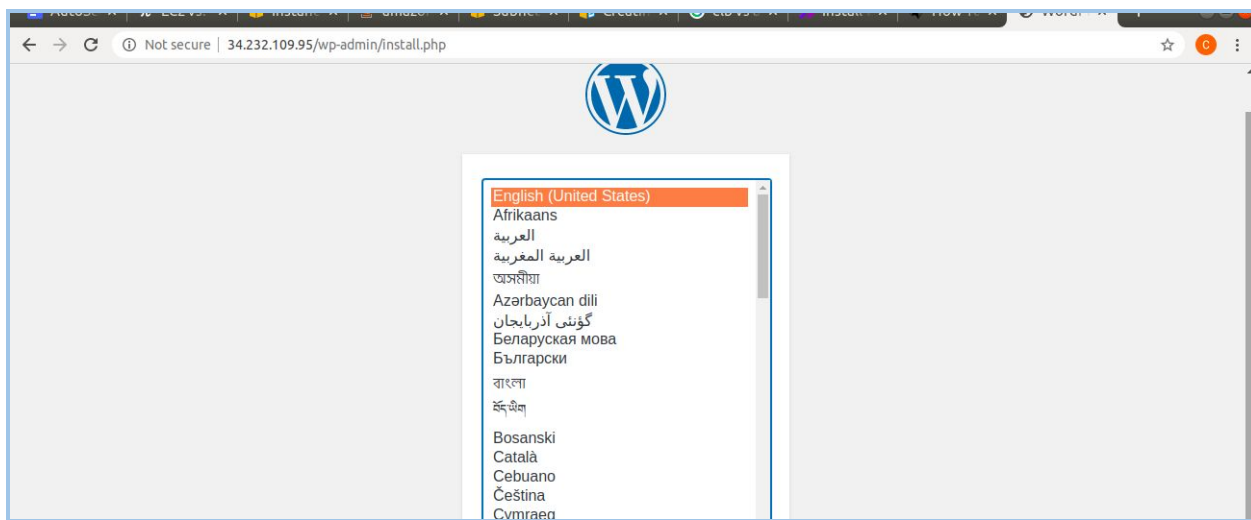
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6. Setup auto scaling Wordpress application with the Application load balancer. Auto-scaling should be triggered based on CPU usage of EC2 instances.

Ans.

Wordpress on instance.



← → ↻ ⓘ Not secure | 34.232.109.95/wp-admin/install.php?step=1 ☆ ⚙

Welcome

Welcome to the famous five-minute WordPress installation process! Just fill in the information below and you'll be on your way to using the most extendable and powerful personal publishing platform in the world.

Information needed

Please provide the following information. Don't worry, you can always change these settings later.

Site Title

Username

Username can have only alphanumeric characters, spaces, underscores, hyphens, periods, and the @ symbol.

Password

Strong

Important: You will need this password to log in. Please store it in a secure location.

← → ↻ ⓘ Not secure | 3.219.31.76/wp-admin/ ☆ ⚙ Howdy, chhavi@97

To the new 0 + New

Dashboard

Home
Updates
Posts
Media
Pages
Comments
Appearance
Plugins
Users
Tools
Settings
Collapse menu

Welcome to WordPress!

We've assembled some links to get you started:

Get Started

[Customize Your Site](#)

or, [change your theme completely](#)

Next Steps

- [Write your first blog post](#)
- [Add an About page](#)
- [Set up your homepage](#)
- [View your site](#)

More Actions

- [Manage widgets](#)
- [Manage menus](#)
- [Turn comments on or off](#)
- [Learn more about getting started](#)

At a Glance

1 Post 1 Page

1 Comment

WordPress 5.3.2 running [Twenty Twenty](#) theme.

Quick Draft

Title

Content

[Save Draft](#)

Activity

Recently Published

Today, 6:51 pm [Hello world!](#)

Create an Application Load Balancer

Select load balancer type

Elastic Load Balancing supports three types of load balancers: Application Load Balancers, Network Load Balancers (new), and Classic Load Balancers. Choose the load balancer type that meets your needs. [Learn more about which load balancer is right for you](#)

Application Load Balancer

HTTP
HTTPS

Create

Choose an Application Load Balancer when you need a flexible feature set for your web 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.

Network Load Balancer

TCP
TLS
UDP

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 application. Operating at the connection level, Network Load Balancers are capable of handling millions of requests per second securely while maintaining ultra-

Classic Load Balancer

PREVIOUS GENERATION
for HTTP, HTTPS, and TCP

Create

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

[Learn more >](#)

[Cancel](#)

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Configure load balancer

aws

Services

Resource Groups

chhavi.sharma@tothenew.com @ t...

N. Virginia

Support

1. Configure Load Balancer

2. Configure Security Settings

3. Configure Security Groups

4. Configure Routing

5. Register Targets

6. Review

Step 1: Configure Load Balancer

Basic Configuration

To configure your load balancer, provide a name, select a scheme, specify one or more listeners, and select a network. The default configuration is an Internet-facing load balancer in the selected network with a listener that receives HTTP traffic on port 80.

Name

Chhavi-ALB-cpu

Scheme

internet-facing

internal

IP address type

ipv4

Listeners

A listener is a process that checks for connection requests, using the protocol and port that you configured.

Load Balancer Protocol

Load Balancer Port

HTTP

80

[Cancel](#) [Next: Configure Security Settings](#)

Configure Security Groups

aws

Services

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1. Configure Load Balancer

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Step 3: Configure Security Groups

A security group is a set of firewall rules that control the traffic to your load balancer. On this page, you can add rules to allow specific traffic to reach your load balancer. First, decide whether to create a new security group or select an existing one.

Assign a security group: ☒ Create a new security group ☐ Select an existing security group

Security group name:

Description:

Type	Protocol	Port Range	Source
Custom TCP F	TCP	80	Custom 0.0.0.0/0, ::/0
HTTP	TCP	80	Custom 0.0.0.0/0, ::/0
SSH	TCP	22	Custom CIDR, IP or Security Group

Configure Routing

aws

Services

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Support

1. Configure Load Balancer

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Step 4: Configure Routing

Your load balancer routes requests to the targets in this target group using the protocol and port that you specify, and performs health checks on the targets using these health check settings. Note that each target group can be associated with only one load balancer.

Target group

Target group

Name

Target type ☒ Instance ☐ IP ☐ Lambda function

Protocol

Port

Health checks

Register Targets

aws

Services

Resource Groups

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Support

1. Configure Load Balancer

2. Configure Security Settings

3. Configure Security Groups

4. Configure Routing

5. Register Targets

6. Review

Step 5: Register Targets

Remove

<input type="checkbox"/>	Instance	Name	Port	State	Security groups	Zone
<input checked="" type="checkbox"/>	i-0583cd76376b3b717	Chhavi-Wordpress-...	80	running	launch-wizard-177	us-east-1b

Instances

To register additional instances, select one or more running instances, specify a port, and then click Add. The default port is the port specified for the target group. If the instance is already registered on the specified port, you must specify a different port.

Add to registered on port 80

Search Instances

X

<input type="checkbox"/>	Instance	Name	State	Security	Zone	Subnet ID	Subnet CIDR
<input checked="" type="checkbox"/>	i-0583cd76376...	Chhavi-Wordpr...	running	launch-wizard-...	us-east-1b	subnet-01d770a77bb69a1f8	10.0.1.0/24
<input type="checkbox"/>	i-000dae29bc7...	vedant-instance	running	VedantSG	us-east-1b	subnet-01d770a77bb69a1f8	10.0.1.0/24

CancelPreviousNext: Review

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Review

aws

Services

Resource Groups

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Support

1. Configure Load Balancer

2. Configure Security Settings

3. Configure Security Groups

4. Configure Routing

5. Register Targets

6. Review

Step 6: Review

Please review the load balancer details before continuing

Load balancer

Edit

Name

Chhavi-ALB

Scheme

internet-facing

Listeners

Port:80 - Protocol:HTTP

IP address type

ipv4

VPC

vpc-00470a42fc196d84e (sarthak)

Subnets

subnet-01d770a77bb69a1f8 (sarthak-load-balncer-1), subnet-008dcd90bf26a9055 (sarthak-load-balncer-3)

Tags

Security groups

Edit

Security groups

load-balancer-wizard-chhavi-alb

Routing

Edit

Target group

New target group

Target group name

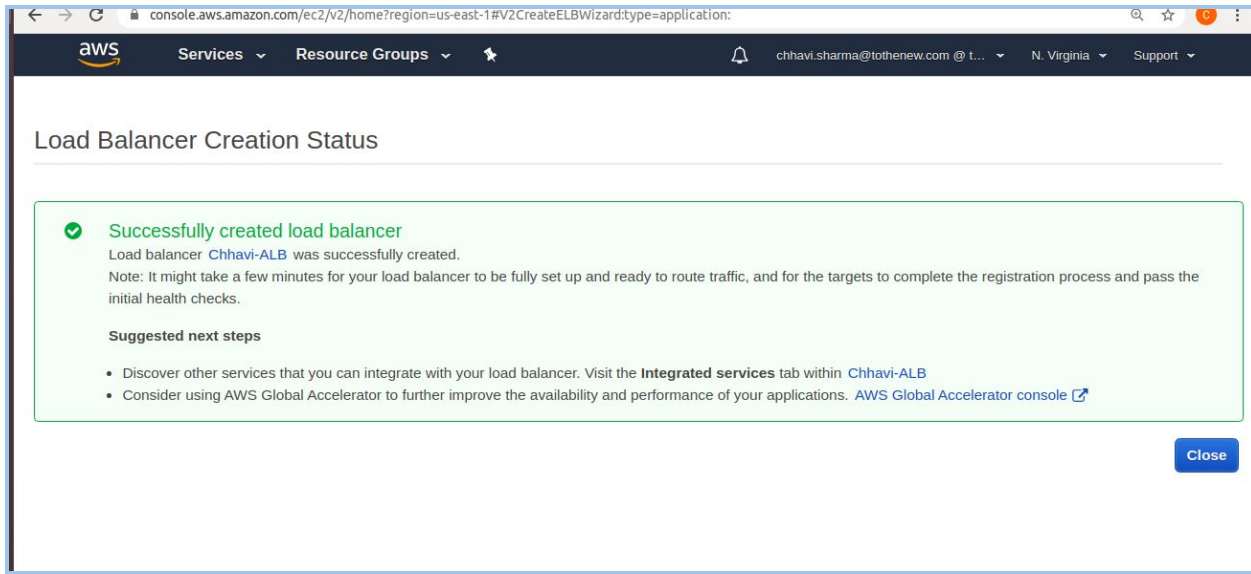
Chhavi-TG

CancelPreviousCreate

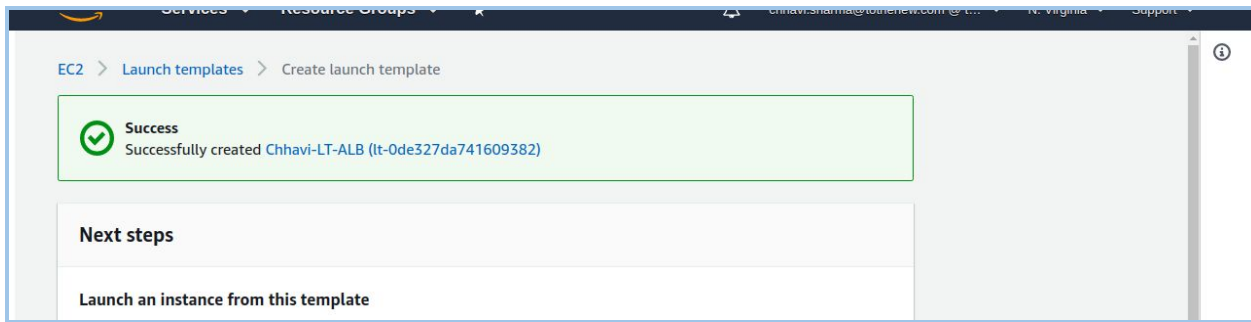
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Create a launch template with the AMI of the Wordpress instance.



Now create a new auto-scaling group.

Cancel and Exit

Cancel Next Step

Fill in the details.

Cancel and Exit

Add scaling policies.

1. Configure Auto Scaling group details
2. Configure scaling policies
3. Configure Notifications
4. Configure Tags
5. Review

Create Auto Scaling Group

You can optionally add scaling policies if you want to adjust the size (number of instances) of your group automatically. A scaling policy is a set of instructions for making such adjustments in response to an Amazon CloudWatch alarm that you assign to it. In each policy, you can choose to add or remove a specific number of instances or a percentage of the existing group size, or you can set the group to an exact size. When the alarm triggers, it will execute the policy and adjust the size of your group accordingly. [Learn more](#) about scaling policies.

☐ Keep this group at its initial size
☒ Use scaling policies to adjust the capacity of this group

Scale between and instances. These will be the minimum and maximum size of your group.

Scale Group Size

Name:
Metric type:
Target value:
Instances needed: seconds to warm up after scaling

Cancel
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Next: Configure Notifications

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Review

console.aws.amazon.com/ec2/autoscaling/home?region=us-east-1#CreateAutoScalingGroup:source=launchtemplate;launchTemplateId=lt-0de327da74160938...

aws
Services
Resource Groups

1. Configure Auto Scaling group details
2. Configure scaling policies
3. Configure Notifications
4. Configure Tags
5. Review

Create Auto Scaling Group

Please review your Auto Scaling group details. You can go back to edit changes for each section. Click **Create Auto Scaling group** to complete the creation of an Auto Scaling group.

Auto Scaling Group Details
Edit details

Group name	Chhavi-Wordpress-ASG
Launch Template	lt-0de327da741609382
Launch Template Version	1
Launch Template Description	For auto-scaling and load balancing
Group size	2
Minimum Group Size	2
Maximum Group Size	4
Subnet(s)	subnet-01d770a77bb69a1f8,subnet-008dcd90bf26a9055,subnet-0b14d740243a0165c
Health Check Grace Period	300
Detailed Monitoring	No
Instance Protection	None
Service-Linked Role	AWSServiceRoleForAutoScaling

Scaling Policies
Edit scaling policies

Cancel
Previous
Create Auto Scaling group

Now the min instances running are 2

Try the new design for Amazon EC2 Auto Scaling
This older console is being replaced with the new EC2 Auto Scaling console. No new features or improvements will be made in this older console. [Go to the new console.](#)

[Create Auto Scaling group](#) [Actions](#)

Filter: [X](#) 1 to 1 of 1 Auto Scaling Groups

<input checked="" type="checkbox"/>	Name	Launch Configuration	Instances	Desired	Min	Max	Availability Zones	Default Cool-down
<input checked="" type="checkbox"/>	Chhavi-Wordp...	Chhavi-LT-ALB	2	2	2	4	us-east-1b, us-east-1c, us-e...	300

Copy the arn of the load balancer and paste in the URL

console.aws.amazon.com/ec2/v2/home?region=us-east-1#LoadBalancers:search=chhavi;sort=loadBalancerName

[Create Load Balancer](#) [Actions](#)

search : chhavi [Add filter](#) 1 to 1 of 1

<input checked="" type="checkbox"/>	Name	DNS name	State	VPC ID	Availability Zones
<input checked="" type="checkbox"/>	Chhavi-ALB	Chhavi-ALB-1809334637.us...	active	vpc-00470a42fc196d84e	us-east-1e, u...

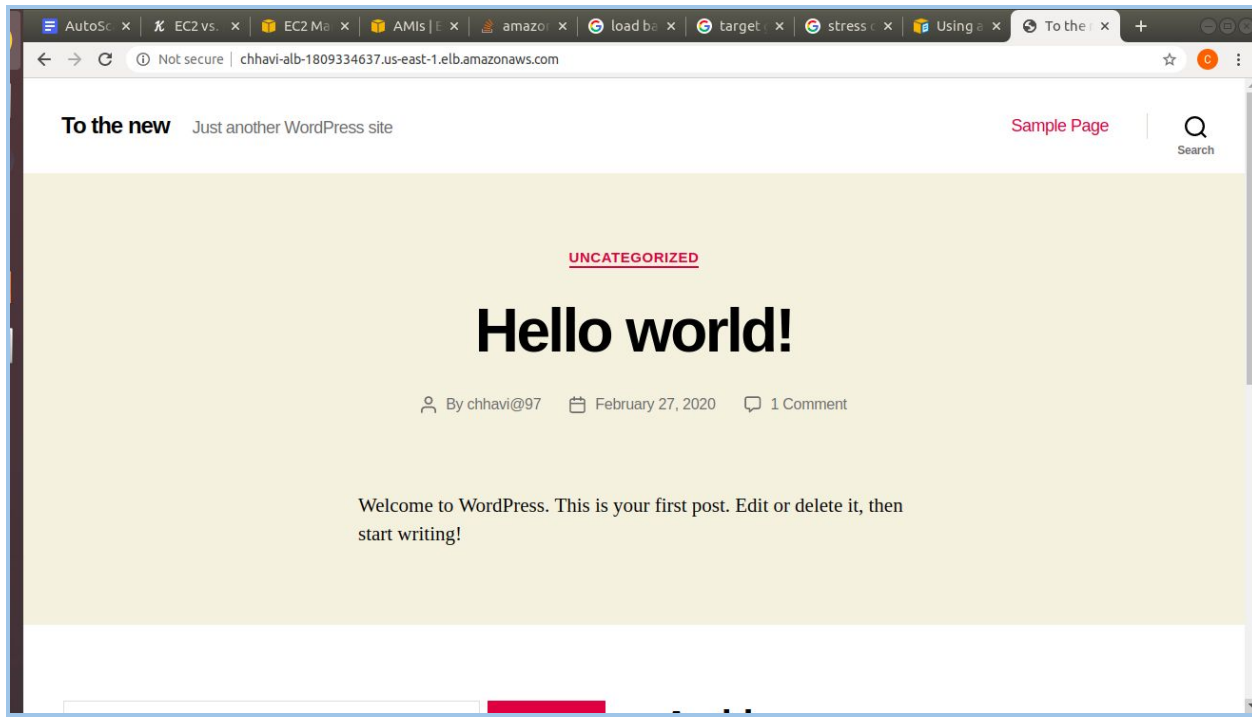
Load balancer: **Chhavi-ALB**

[Description](#) [Listeners](#) [Monitoring](#) [Integrated services](#) [Tags](#)

Basic Configuration

Name	Chhavi-ALB
ARN	arn:aws:elasticloadbalancing:us-east-1:187632318301:loadbalancer/app/Chhavi-ALB/0b20b72aee0e2fe8
DNS name	Chhavi-ALB-1809334637.us-east-1.elb.amazonaws.com (A Record)
State	active
Type	application

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7. Create another Wordpress website and use the ALB created above to send traffic to this website based on the hostname(path based.)

Ans.

Create another Target Group -TG2

Create target group

Your load balancer routes requests to the targets in a target group using the target group settings that you specify, and performs health checks on the targets using the health check settings that you specify.

Target group name

Chhavi-TG2

Target type

Instance

IP

Lambda function

Protocol

HTTP

Port

80

VPC

vpc-00470a42fc196d84e (10.0.0.0/16) | sarth

Health check settings

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Now add an instance to the target group.

After this Edit the HTTP 80 listener and a new rule for path /admin(redirect to TG2).

<

Rules

+

⌵

−

Chhavi-ALB | HTTP:80

↺

?

To edit, select a mode above.

Chhavi-ALB | HTTP:80 (2 rules)

▶ Rule limits for condition values, wildcards, and total rules.

1

arn...142805da94c6fc54

IF

✓ Path is /wp-admin

THEN

Forward to

Chhavi-TG2: 1 (100%)

Group-level stickiness: Off

last

HTTP 80: default action

This rule cannot be moved or deleted

IF

✓ Requests otherwise not routed

THEN

Forward to

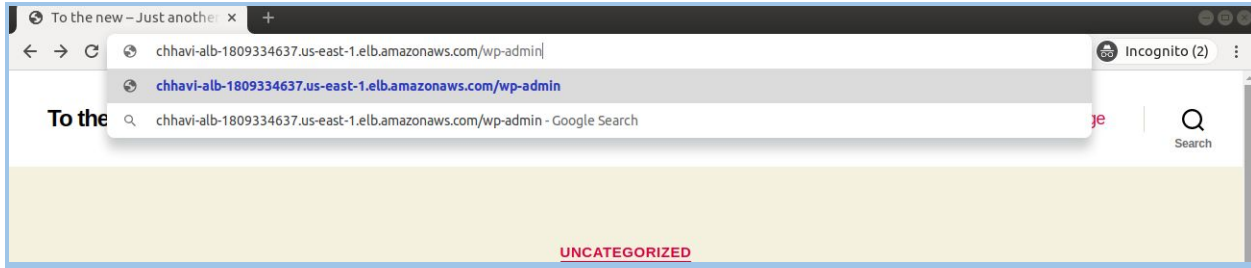
Chhavi-TG: 1 (100%)

Feedback

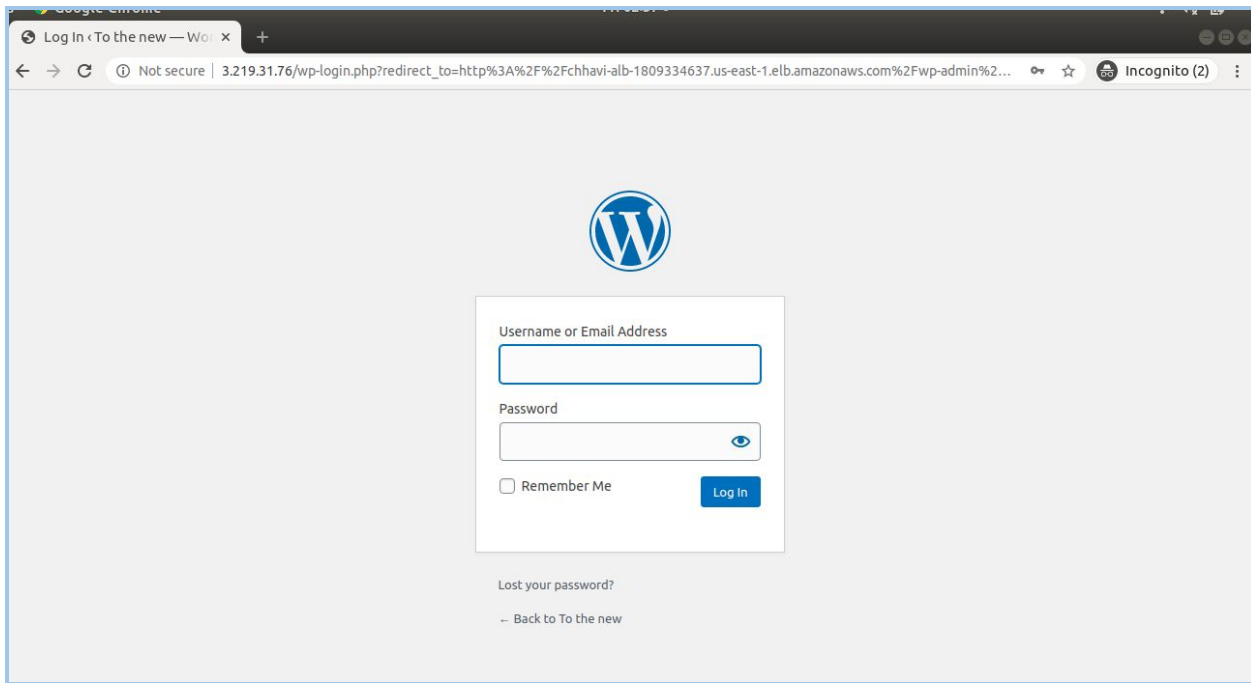
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Now output with only ALB dns



Output with ALB/wp-admin



8. Use NLB that replaces the ALB in the above setup.

Ans.

Select load balancer type

Elastic Load Balancing supports three types of load balancers: Application Load Balancers, Network Load Balancers (new), and Classic Load Balancers. Choose the load balancer type that meets your needs. [Learn more about which load balancer is right for you](#)

Application Load Balancer

HTTP
HTTPS

Create

Choose an Application Load Balancer when you need a flexible feature set for your web 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.

Network Load Balancer

TCP
TLS
UDP

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 application. Operating at the connection level, Network Load Balancers are capable of handling millions of requests per second securely while maintaining ultra-

Classic Load Balancer

PREVIOUS GENERATION
for HTTP, HTTPS, and TCP

Create

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

[Learn more >](#)

Cancel

1. Configure Load Balancer2. Configure Security Settings3. Configure Routing4. Register Targets5. Review

Step 3: Configure Routing

Target group

Target group ⓘ

New target group ▼

Name ⓘ

Chhavi-NLB-TG

Target type

☒ Instance☐ IP

Protocol ⓘ

TCP ▼

Port ⓘ

80

Health checks

Protocol ⓘ

TCP ▼

▶ Advanced health check settings

Cancel

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Next: Register Targets

Feedback

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1. Configure Load Balancer2. Configure Security Settings3. Configure Routing4. Register Targets5. Review

Step 4: Register Targets

Remove

<input type="checkbox"/>	Instance	Name	Port	State	Security groups	Zone
<input type="checkbox"/>	i-0583cd76376b3b717	Chhavi-Wordpress-...	80	● running	launch-wizard-177	us-east-1b

Instances

To register additional instances, select one or more running instances, specify a port, and then click Add. The default port is the port specified for the target group. If the instance is already registered on the specified port, you must specify a different port.

Add to registered

 on port

Chhavi

X

<input type="checkbox"/>	Instance	Name	State	Security	Zone	Subnet ID	Subnet CIDR
<input checked="" type="checkbox"/>	i-0583cd7637...	Chhavi-Wordpress-Instance	● running	launch-wizard...	us-east-1b	subnet-01d770a77bb69a1f8	10.0.1.0/24

Cancel

Previous

Next: Review

1. Configure Load Balancer2. Configure Security Settings3. Configure Routing4. Register Targets5. Review

Step 5: Review

Please review the load balancer details before continuing

▼ Load balancer

Name

Chhavi-NLB

Scheme

internet-facing

Listeners

Port:80 - Protocol:TCP

VPC

vpc-00470a42fc196d84e (sarthak)

Subnets

subnet-01d770a77bb69a1f8 (sarthak-load-balancer-1), subnet-008dcd90bf26a9055 (sarthak-load-balancer-3) ▲

Tags

owner:chhavi

▼ Routing

Target group

New target group

Target group name

Chhavi-NLB-TG

Port

80

Target type

instance

Protocol

TCP

Health check protocol

TCP

Health check port

traffic port

Cancel

Previous

Create

Feedback

English (US)

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Load Balancer Creation Status



Successfully created load balancer

Load balancer [Chhavi-NLB](#) was successfully created.

Note: It might take a few minutes for your load balancer to be fully set up and ready to route traffic, and for the targets to complete the registration process and pass the initial health checks.

Suggested next steps

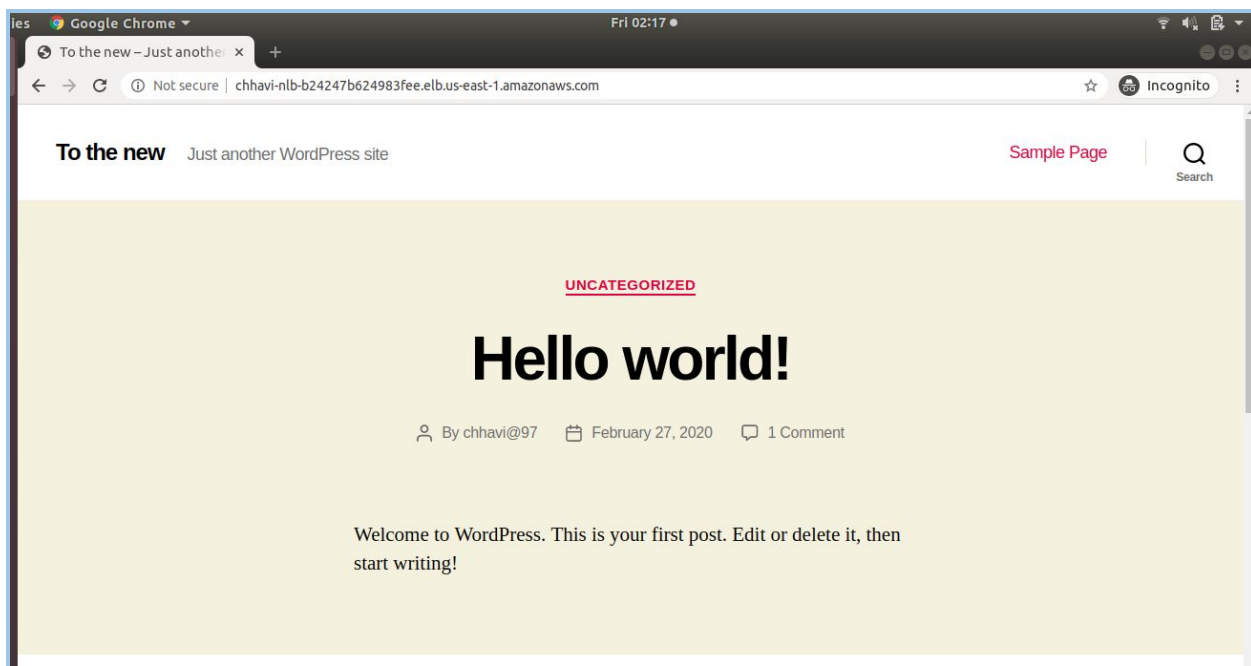
- Discover other services that you can integrate with your load balancer. Visit the **Integrated services** tab within [Chhavi-NLB](#)
- Consider using AWS Global Accelerator to further improve the availability and performance of your applications. [AWS Global Accelerator console](#)

Close

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Paste the load balancer dns in the URL.



9. Take an instance out of the ASG.

Ans.

The screenshot shows the AWS Management Console interface for an Auto Scaling Group named 'Chhavi-Wordpress-ASG'. The 'Instances' tab is selected, displaying a table of instances. The 'Actions' menu is open, showing options like 'Detach', 'Set to Standby', 'Set to InService', and 'Instance Protection'. The 'Detach' option is highlighted.

Name	Launch Configuration / Template	Instances	Desired	Min	Max	Availability Zones	Default Cool-down
Chhavi-Wordp...	Chhavi-LT-ALB	2	2	2	4	us-east-1b, us-east-1c, us-e...	300

Auto Scaling Group: Chhavi-Wordpress-ASG

Details | Activity History | Scaling Policies | **Instances** | Monitoring | Notifications | Tags | Scheduled Actions | Lifecycle H...

Actions

- Detach
- Set to Standby
- Set to InService
- Instance Protection

Instance ID	Lifecycle	Launch Configuration / Template	Availability Zone	Health Status	Protected from
i-07004ebed299c9ba3	InService	Chhavi-LT-ALB	us-east-1e	Healthy	
i-0fb9d1a2f56ee59fc	InService	Chhavi-LT-ALB	us-east-1c	Healthy	

Detach Instance

Detaching this instance cannot be undone. Proceeding with this action will:

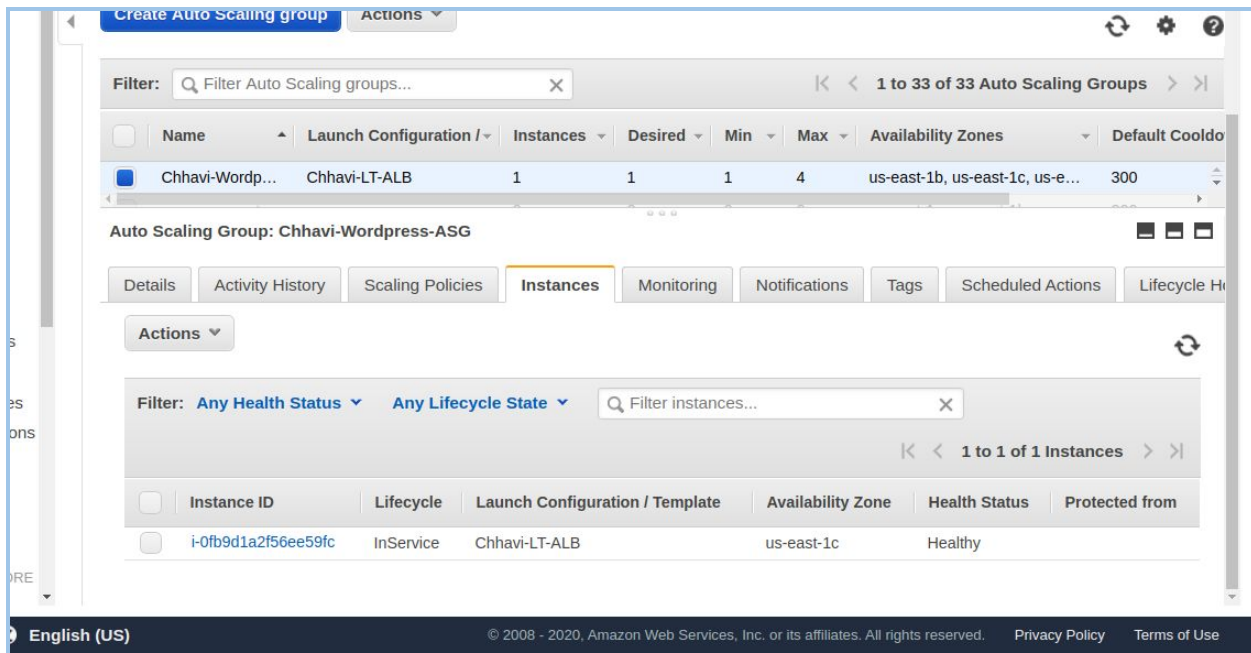
- Remove this instance from the Auto Scaling group Chhavi-Wordpress-ASG and the associated ELBs
- Replace this instance with a new running instance within the ASG Chhavi-Wordpress-ASG and register with the associated ELBs

☐ Add a new instance to the Auto Scaling group to balance the load ⓘ

Are you sure you want to detach this instance?

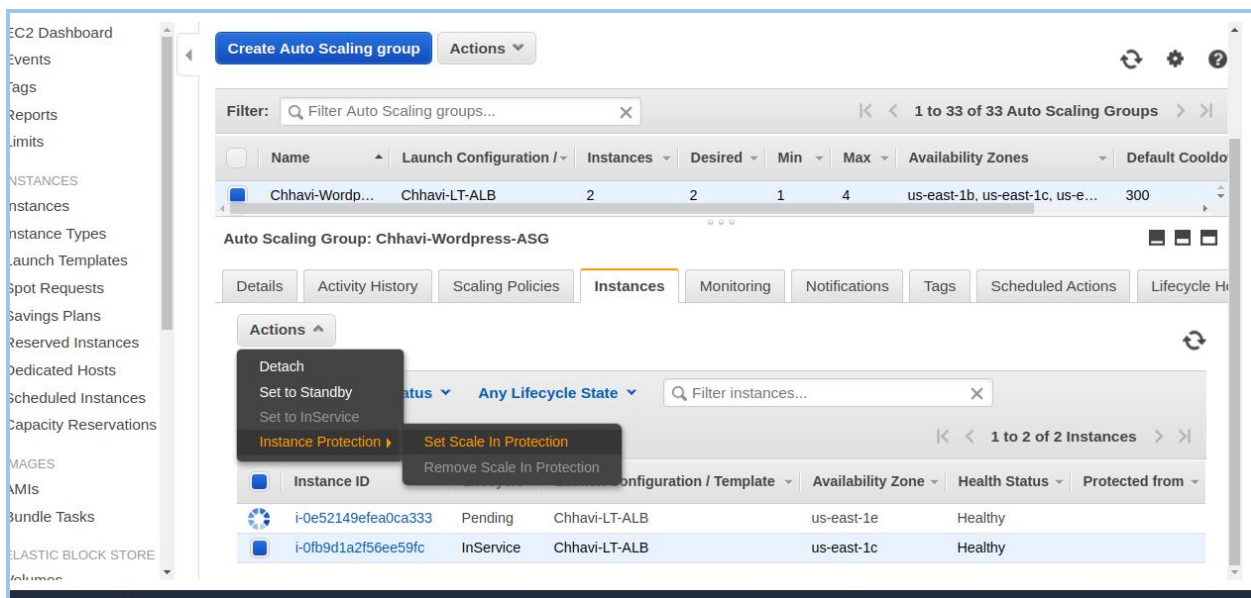
- i-07004ebed299c9ba3

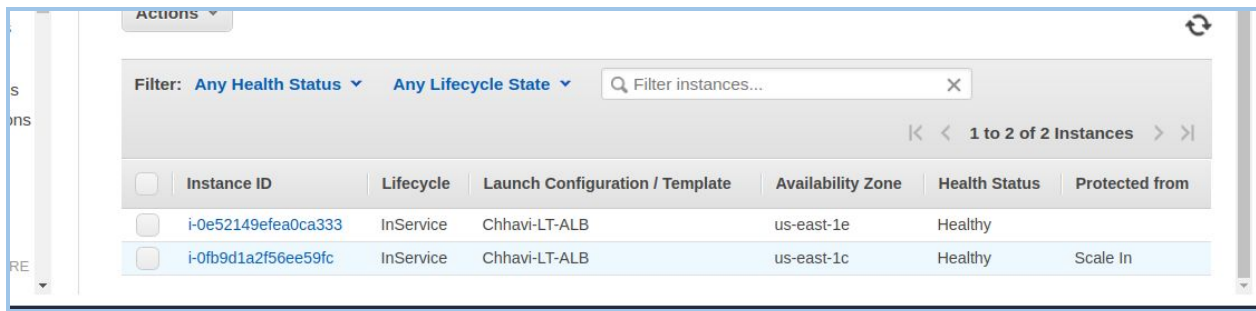
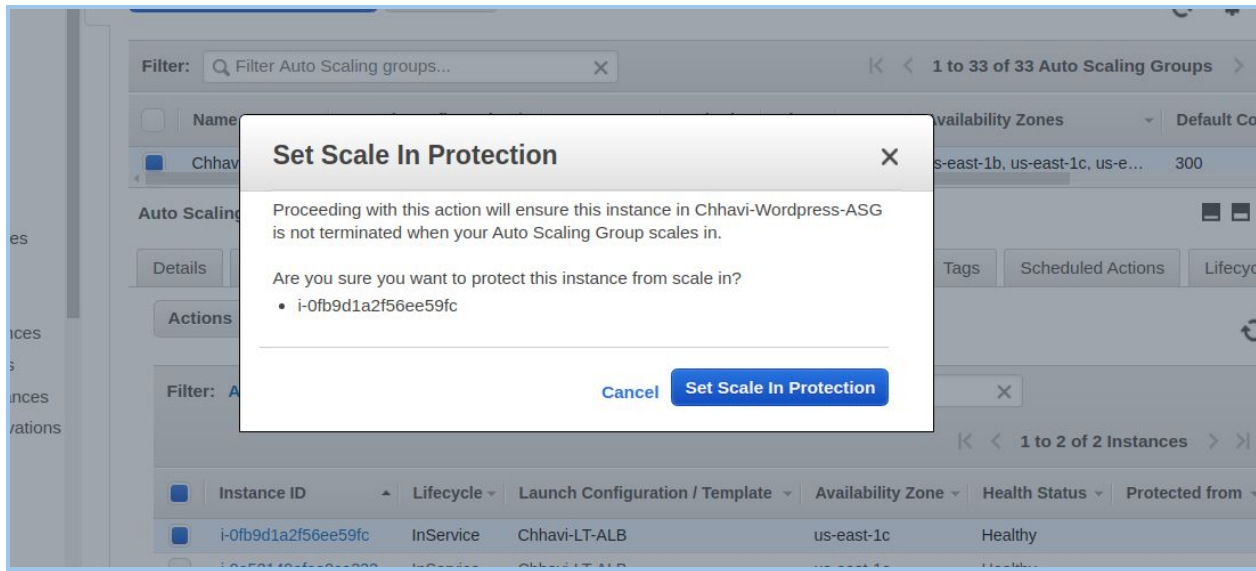
Cancel Detach Instance



10. Put scale-in protection on an instance in the ASG.

Ans.





11.Put Schedules in ASG to:

- Remove all instances of the ASG at 8 PM

Ans.

Select auto scaling group and go to scheduled policies

The screenshot shows the AWS Management Console interface for an Auto Scaling Group named 'Chhavi-Wordpress-ASG'. The 'Scheduled Actions' tab is active, displaying a table with no scheduled actions. The table headers include Name, Start Time, End Time, Recurrence, Desired Capacity, Min, and Max. The current state shows 2 instances, 1 desired capacity, and 4 availability zones.

Schedule policy

The 'Create Scheduled Action' dialog box is shown with the following fields and values:

- Name:** Chhavi Scheduled Action 0
- Auto Scaling Group:** Chhavi-Wordpress-ASG
- Provide at least one of Min, Max and Desired Capacity:** (Instructional text box)
- Min:** 0
- Max:** 0
- Desired Capacity:** 0
- Recurrence:** Every day (Cron) 0 20 * * *
- Start Time:** 2020-02-28 20 : 00 UTC
- End Time:** Set End Time

Buttons: Cancel, Create

- Launch a minimum of 2 instances at 10 AM

Ans.

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Create Scheduled Action

×

Name

Chhavi Scheduled Action 2

Auto Scaling Group

Chhavi-Wordpress-ASG

Provide at least one of Min, Max and Desired Capacity

Min

2

Max

4

Desired Capacity

2

Recurrence

Every day

(Cron) 0 10 * * *

Start Time

2020-02-28

10 : 00 UTC

Specify the start time in UTC

The first time this scheduled action will run

End Time

Set End Time

Cancel

Create