

AWS Services Search [Alt+S] Subham Pradhan

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 DHCP option sets Elastic IPs Managed prefix lists Endpoints Endpoint services NAT gateways

NAT gateways (1/1) Info Actions Create NAT gateway

Filter NAT gateways < 1 > i

Name	NAT gateway ID	Connectivity type	State	State message
NGW-Private-subnet	nat-0e164bf1affdcab05	Public	Available	-

nat-0e164bf1affdcab05 / NGW-Private-subnet

Details Secondary IPv4 addresses Monitoring Tags

Details

NAT gateway ID	Connectivity type	State	State message
nat-0e164bf1affdcab05	Public	Available	-

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VPC dashboard EC2 Global View New Filter by VPC: Select a VPC

Virtual private cloud Your VPCs New Subnets Route tables Internet gateways Egress-only internet gateways DHCP option sets Elastic IPs Managed prefix lists Endpoints Endpoint services NAT gateways

Route tables (1/3) Info Find resources by attribute or tag vpc-02238dd1f83ebb8e2 X Clear filters < 1 > i

Name	Route table ID	Explicit subnet associations	Edge associations
-	rtb-07047d6cf85a3aa72	-	Yes
Public-RT	rtb-0be92d2b48990f748	subnet-00357a916e39fb...	No
Private-RT	rtb-0259aafcb30c3d052	subnet-05165b28f9829c...	No

Destination Target Status Propagated

0.0.0.0/0	igw-0cd22c95accd06aae	Active	No
10.0.0.0/16	local	Active	No

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VPC dashboard EC2 Global View New Filter by VPC: Select a VPC

Virtual private cloud Your VPCs New Subnets Route tables Internet gateways Egress-only internet gateways DHCP option sets Elastic IPs Managed prefix lists Endpoints Endpoint services NAT gateways

Route tables (1/3) Info Find resources by attribute or tag vpc-02238dd1f83ebb8e2 X Clear filters < 1 > i

Name	Route table ID	Explicit subnet associations	Edge associations
-	rtb-07047d6cf85a3aa72	-	Yes
Public-RT	rtb-0be92d2b48990f748	subnet-00357a916e39fb...	No
Private-RT	rtb-0259aafcb30c3d052	subnet-05165b28f9829c...	No

Destination Target Status Propagated

0.0.0.0/0	nat-0e164bf1affdcab05	Active	No
10.0.0.0/16	local	Active	No

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AWS sub Use Das Cre AW Targ Cre You VPC Sub Inte NAT AW DN + - \_ X

us-east-2.console.aws.amazon.com/ec2/home?region=us-east-2#Instances:

aws Services Search [Alt+S] Instances (1/3) Info C Connect Instance state Actions Launch instances Find instance by attribute or tag (case-sensitive) < 1 > 🔍

New EC2 Experience Tell us what you think

EC2 Dashboard

EC2 Global View

Events

Instances

Instances

Instance Types

Launch Templates

Spot Requests

Savings Plans

Reserved Instances

Dedicated Hosts

Capacity Reservations

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Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Available
DB-server	i-Off79e24dcfe5f265	Running	t2.micro	2/2 checks passed	No alarms	+
Web-server-1	i-0ec6162a9e01153bb	Running	t2.micro	2/2 checks passed	No alarms	+
Web-server-2	i-01eab05768b07c545	Running	t2.micro	2/2 checks passed	No alarms	+

Instance: i-0ec6162a9e01153bb (Web-server-1)

Details Security Networking Storage Status checks Monitoring Tags

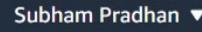
▶ Instance summary Info

▼ Instance details Info

Platform	AMI ID	Monitoring
Amazon Linux (Inferred)	ami-0911e88fb4687e06b	disabled

Platform details AMI Details Monitoring Details

us-east-2.console.aws.amazon.com/ec2/home?region=us-east-2#ConnectToInstance:instance...         

Services  [Alt+S]    Ohio 

EC2 Instance Connect Session Manager **SSH client** EC2 serial console

Instance ID  i-0ec6162a9e01153bb (Web-server-1)

1. Open an SSH client.
2. Locate your private key file. The key used to launch this instance is WEB-SERVER-2.pem
3. Run this command, if necessary, to ensure your key is not publicly viewable.  
 chmod 400 WEB-SERVER-2.pem
4. Connect to your instance using its Public IP:  
 3.15.5.173

Example:  
 ssh -i "WEB-SERVER-2.pem" ec2-user@3.15.5.173

 **Note:** In most cases, the guessed user name is correct. However, read your AMI usage instructions to check if the AMI owner has changed the default AMI user name.

Cancel

```
root@ip-10-0-1-228:/var/www/html
```

(1/9): apr-util-1.6.3-1.amzn2.0.1.x86_64.rpm	101 kB	00:00:00
(2/9): apr-1.7.2-1.amzn2.x86_64.rpm	130 kB	00:00:00
(3/9): apr-util-bdb-1.6.3-1.amzn2.0.1.x86_64.rpm	22 kB	00:00:00
(4/9): generic-logos-httdp-18.0.0-4.amzn2.noarch.rpm	19 kB	00:00:00
(5/9): httpd-filesystem-2.4.57-1.amzn2.noarch.rpm	24 kB	00:00:00
(6/9): httpd-2.4.57-1.amzn2.x86_64.rpm	1.4 MB	00:00:00
(7/9): httpd-tools-2.4.57-1.amzn2.x86_64.rpm	88 kB	00:00:00
(8/9): mailcap-2.1.41-2.amzn2.noarch.rpm	31 kB	00:00:00
(9/9): mod_http2-1.15.19-1.amzn2.0.1.x86_64.rpm	149 kB	00:00:00

```
Total
```

```
9.0 MB/s | 1.9 MB 00:00:00
```

```
Running transaction check
```

```
Running transaction test
```

```
Transaction test succeeded
```

```
Running transaction
```

Installing : apr-1.7.2-1.amzn2.x86_64	1/9
Installing : apr-util-1.6.3-1.amzn2.0.1.x86_64	2/9
Installing : apr-util-bdb-1.6.3-1.amzn2.0.1.x86_64	3/9
Installing : httpd-tools-2.4.57-1.amzn2.x86_64	4/9
Installing : httpd-filesystem-2.4.57-1.amzn2.noarch	5/9
Installing : generic-logos-httdp-18.0.0-4.amzn2.noarch	6/9
Installing : mailcap-2.1.41-2.amzn2.noarch	7/9
Installing : mod_http2-1.15.19-1.amzn2.0.1.x86_64	8/9
Installing : httpd-2.4.57-1.amzn2.x86_64	9/9
Verifying : apr-util-bdb-1.6.3-1.amzn2.0.1.x86_64	1/9
Verifying : apr-1.7.2-1.amzn2.x86_64	2/9
Verifying : httpd-tools-2.4.57-1.amzn2.x86_64	3/9
Verifying : apr-util-1.6.3-1.amzn2.0.1.x86_64	4/9
Verifying : mailcap-2.1.41-2.amzn2.noarch	5/9
Verifying : generic-logos-httdp-18.0.0-4.amzn2.noarch	6/9
Verifying : mod_http2-1.15.19-1.amzn2.0.1.x86_64	7/9
Verifying : httpd-2.4.57-1.amzn2.x86_64	8/9
Verifying : httpd-filesystem-2.4.57-1.amzn2.noarch	9/9

```
Installed:
```

```
httpd.x86_64 0:2.4.57-1.amzn2
```

```
Dependency Installed:
```

apr.x86_64 0:1.7.2-1.amzn2	apr-util.x86_64 0:1.6.3-1.amzn2.0.1	apr-util-bdb.x86_64 0:1.6.3-1.amzn2.0.1	generic-logos-httdp.noarch 0:18.0.0-4.amzn2
httpd-filesystem.noarch 0:2.4.57-1.amzn2	httpd-tools.x86_64 0:2.4.57-1.amzn2	mailcap.noarch 0:2.1.41-2.amzn2	mod_http2.x86_64 0:1.15.19-1.amzn2.0.1

```
Complete!
```

```
[root@ip-10-0-1-228 ~]# cd /var/www/html
[root@ip-10-0-1-228 html]# ls
[root@ip-10-0-1-228 html]# echo "This is WEB-SERVER-1">index.html
[root@ip-10-0-1-228 html]# systemctl start httpd
[root@ip-10-0-1-228 html]# systemctl enable httpd
Created symlink from /etc/systemd/system/multi-user.target.wants/httpd.service to /usr/lib/systemd/system/httpd.service.
[root@ip-10-0-1-228 html]#
```



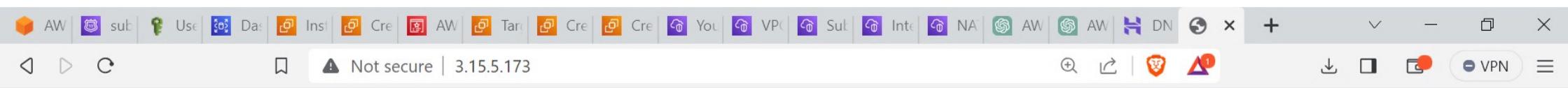
Type here to search



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01:04 PM  
05-09-2023



us-east-2.console.aws.amazon.com/ec2/home?region=us-east-2#Instances:instanceState=running

New EC2 Experience Tell us what you think

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Events

Instances

Instances

Instance Types

Launch Templates

Spot Requests

Savings Plans

Reserved Instances

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Images

AMIs

AMI Catalog

CloudShell

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Language

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3.1 +

VPN

Ohio

Subham Pradhan

Instances (1/3) Info

C Connect Instance state ▾ Actions ▾ Launch instances ▾

Find instance by attribute or tag (case-sensitive)

Instance state = running X Clear filters

Name	Instance ID	Instance state	Instance type
DB-server	i-0ff79e24dcfe5f265	Running	t2.micro
Web-server-1	i-0ec6162a9e01153bb	Running	t2.micro
Web-server-2	i-01eab05768b07c545	Running	t2.micro

Actions ▾ Connect View details Manage instance state Instance settings Networking Security Image and templates Monitor and troubleshoot

DB-server i-0ff79e24dcfe5f265 Running t2.micro

Web-server-1 i-0ec6162a9e01153bb Running t2.micro

Web-server-2 i-01eab05768b07c545 Running t2.micro

Create image Create template from instance Launch more like this

Instance: i-0ec6162a9e01153bb (Web-server-1)

Details Security Networking Storage Status checks Monitoring Tags

▶ Instance summary Info

▼ Instance details Info

Platform Amazon Linux (Inferred)

AMI ID ami-0911e88fb4687e06b

Monitoring disabled

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02:47 PM 05-09-2023



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Events

Instances

Instances

Instance Types

Launch Templates

Spot Requests

Savings Plans

Reserved Instances

Dedicated Hosts

Capacity Reservations

Images

AMIs

AMI Catalog

## Amazon Machine Images (AMIs) (1/1) Info

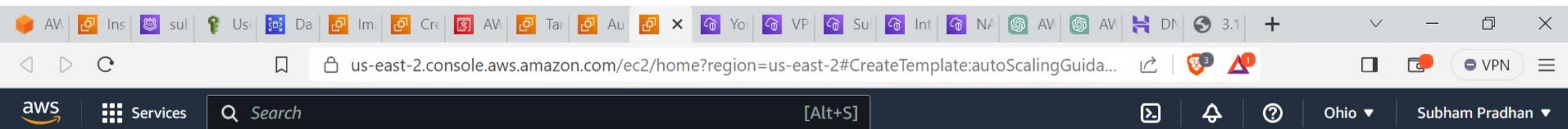
C Recycle Bin EC2 Image Builder Actions ▾ Launch instance from AMI

Owned by me Find AMI by attribute or tag

Name	AMI ID	AMI name	Source
<input checked="" type="checkbox"/> ami-03fc6b54c3e85f21e	Web-server-1-img	841429465794/Web-server-1-img	841429465794

**AMI ID: ami-03fc6b54c3e85f21e**

Details	Permissions	Storage	Tags
AMI ID <input type="checkbox"/> ami-03fc6b54c3e85f21e	Image type machine	Platform details Linux/UNIX	Root device type EBS
AMI name <input type="checkbox"/> Web-server-1-img	Owner account ID <input type="checkbox"/> 841429465794	Architecture x86_64	Usage operation RunInstances
Root device name	Status	Source	Virtualization type



[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**

**MyLaunchTemplate**

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

### Template version description

## MyLaunchTemplate

Max 255 chars

Auto Scaling guidance [Info](#)

Select this if you intend to use this template with EC2 Auto Scaling

- Provide guidance to help me set up a template that I can use with EC2 Auto Scaling

▼ Summary

## Software Image (AMI)

Web-server-1-img  
ami-03fc6b54c3e85f21e

### Virtual server type (instance type)

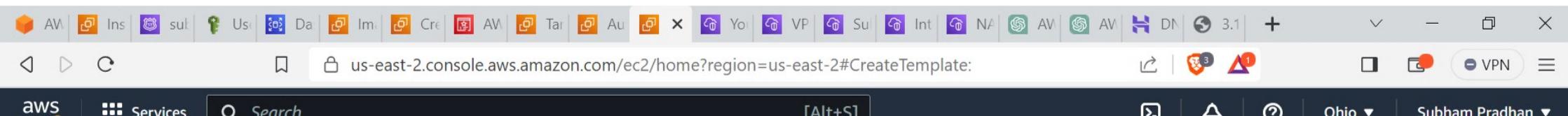
## Firewall (security group)

## Storage (volumes)

1 volume(s) - 8 GiB

**Cancel**

## Create launch template



you can select one of your own AMIs.

**Selected AMI:** (ami-03fc6b54c3e85f21e) (My AMIs)

 Search for an AMI by entering a search term e.g. "Windows"

## Quickstart AMIs (47)

## Commonly used AMIs

## My AMIs (1)

Created by me

AWS Marketplace AMIs (8581)

AWS & trusted third-party AMIs

## Community AMIs (500)

Published by anyone

## Refine results

## All products (1 filtered, 1 unfiltered)

< 1 >

[Clear all filters](#)

▼ Owner

Owned by me

Shared with me

▼ OS category

## All Linux/Unix

## Web-server-1-img

ami-03fc6b54c3e85f21e

Web-server-1-img

## Select

Platform: Other Linux Architecture: x86\_64 Owner: 841429465794

Publish date: 2023-09-05 Root device type: ebs Virtualization: hvm ENA enabled: Yes

AWS Ins Sub Us Da Im Cre AV Tar Au Yo VP Su Int NA AV DN 3.1 +

us-east-2.console.aws.amazon.com/ec2/home?region=us-east-2#LaunchTemplates:

aws Services Search [Alt+S]

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EC2 Dashboard

EC2 Global View

Events

Instances

Instances

Instance Types

Launch Templates

Spot Requests

Savings Plans

Reserved Instances

Dedicated Hosts

Capacity Reservations

Images

AMIs

AMI Catalog

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Type here to search

EC2 > Launch templates

Launch templates (1/1) Info

C Actions Create launch template

Filter by tags or properties or search by keyword

Launch template ID Launch template name Default version

lt-05b8242745371e50c MyLaunchTemplate 1

MyLaunchTemplate (lt-05b8242745371e50c)

Actions Delete template

Launch template details

Launch template ID Launch template name Default version Owner

lt-05b8242745371e50c MyLaunchTemplate 1 arn:aws:iam::841429465794 :root

28°C Mostly cloudy 02:52 PM 05-09-2023 ENG

# Amazon EC2 Auto Scaling

## helps maintain the availability of your applications

Auto Scaling groups are collections of Amazon EC2 instances that enable automatic scaling and fleet management features. These features help you maintain the health and availability of your applications.

### Create Auto Scaling group

Get started with EC2 Auto Scaling by creating an Auto Scaling group.

[Create Auto Scaling group](#)

### How it works



### Pricing

Amazon EC2 Auto Scaling features have no additional fees beyond the service fees for Amazon EC2, CloudWatch (for scaling policies), and the other AWS resources that you use. Visit the pricing page of each service to learn more.

The screenshot shows the AWS Management Console with the URL [us-east-2.console.aws.amazon.com/ec2/home?region=us-east-2#CreateAutoScalingGroup](https://us-east-2.console.aws.amazon.com/ec2/home?region=us-east-2#CreateAutoScalingGroup). The page is titled "Choose launch template or configuration". On the left, a sidebar lists steps: 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), and Step 7 (Review). The main content area shows a "Name" field with "Auto Scaling group name" and a value "Auto-Scaling-group". Below it is a "Launch template" section with a search bar containing "Search launch templates" and a dropdown menu showing "MyLaunchTemplate" selected. A "Switch to launch configuration" link is also present.

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 launch template or configuration Info

Specify a launch template that contains settings common to all EC2 instances that are launched by this Auto Scaling group. If you currently use launch configurations, you might consider migrating to launch templates.

### Name

#### Auto Scaling group name

Enter a name to identify the group.

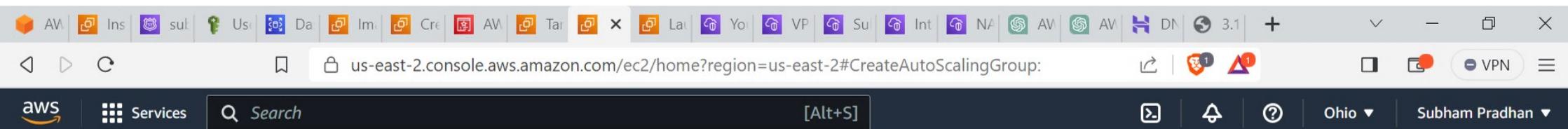
Must be unique to this account in the current Region and no more than 255 characters.

### Launch template Info

[Switch to launch configuration](#) MyLaunchTemplate MyLaunchTemplate[Create a launch template](#)

#### Version





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

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-0e3423adc91b55790

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-2a | subnet-047092930f0e91bf1 

172.31.0.0/20 Default

us-east-2b | subnet-0203ce65cf41e6170 

172.31.16.0/20 Default

us-east-2c | subnet-01cf4c6209140d4ca 

172.31.32.0/20 Default

[Create a subnet](#)

EC2 > Auto Scaling groups > Create Auto Scaling group

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

## Configure advanced options - *optional*

Integrate your Auto Scaling group with other services to distribute network traffic across multiple servers using a load balancer or to establish service-to-service communications using VPC Lattice. You can also set options that give you more control over health check replacements and monitoring.

### Load balancing

Use the options below to attach your Auto Scaling group to an existing load balancer, or to a new load balancer that you define.

No load balancer  
Traffic to your Auto Scaling group will not be fronted by a load balancer.

Attach to an existing load balancer  
Choose from your existing load balancers.

Attach to a new load balancer  
Quickly create a basic load balancer to attach to your Auto Scaling group.

### Attach to an existing load balancer

Select the load balancers that you want to attach to your Auto Scaling group.

us-east-2.console.aws.amazon.com/ec2/home?region=us-east-2#TargetGroups:

Search [Alt+S]

AMI Catalog

Elastic Block Store

- Volumes
- Snapshots
- Lifecycle Manager

Network & Security

- Security Groups
- Elastic IPs
- Placement Groups
- Key Pairs
- Network Interfaces

Load Balancing

- Load Balancers
- Target Groups

Auto Scaling

- Auto Scaling Groups

EC2 > Target groups

### Target groups (1/1) Info

C Actions ▾ Create target group

Search or filter target groups

<input checked="" type="checkbox"/>	Name	ARN	Port	Protocol	Target type
<input checked="" type="checkbox"/>	My-Target-Group	arn:aws:elasticloadbalancing:us-east-2:841429465794:targetgroup/My-Target-Group/db42598eece1d106	80	HTTP	Instance

### Target group: My-Target-Group

Details Targets Monitoring Health checks Attributes Tags

#### Details

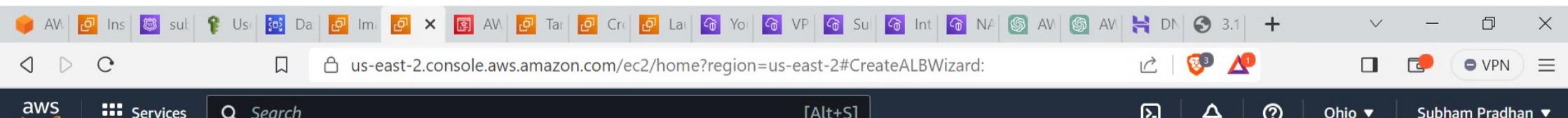
arn:aws:elasticloadbalancing:us-east-2:841429465794:targetgroup/My-Target-Group/db42598eece1d106

Target type	Protocol : Port	Protocol version	VPC
-------------	-----------------	------------------	-----

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Type here to search

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[EC2](#) > [Load balancers](#) > Create Application Load Balancer

## Create Application Load Balancer Info

The Application Load Balancer distributes incoming HTTP and HTTPS traffic across multiple targets such as Amazon EC2 instances, microservices, and containers, based on request attributes. When the load balancer receives a connection request, it evaluates the listener rules in priority order to determine which rule to apply, and if applicable, it selects a target from the target group for the rule action.

## ► How Elastic Load Balancing works

## Basic configuration

Load balancer name

Name must be unique within your AWS account and can't be changed after the load balancer is created.

## My-Load-balancer

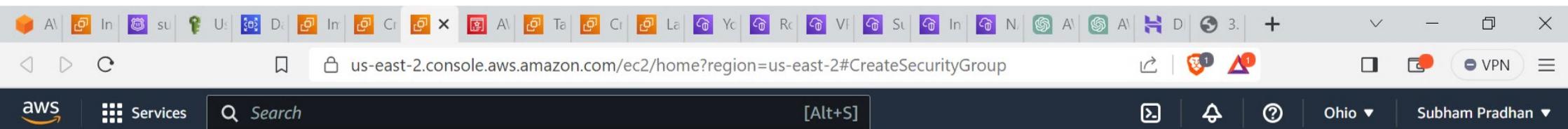
A maximum of 32 alphanumeric characters including hyphens are allowed, but the name must not begin or end with a hyphen.

Scheme | Info

Scheme can't be changed after the load balancer is created.

#### ● Internet-facing

An internet-facing load balancer routes requests from clients over the internet to targets. Requires a public subnet. [Learn more](#)



[EC2](#) > [Security Groups](#) > Create security group

## Create security group Info

A security group acts as a virtual firewall for your instance to control inbound and outbound traffic. To create a new security group, complete the fields below.

## Basic details

### Security group name [Info](#)

## load-balancer-sg

Name cannot be edited after creation.

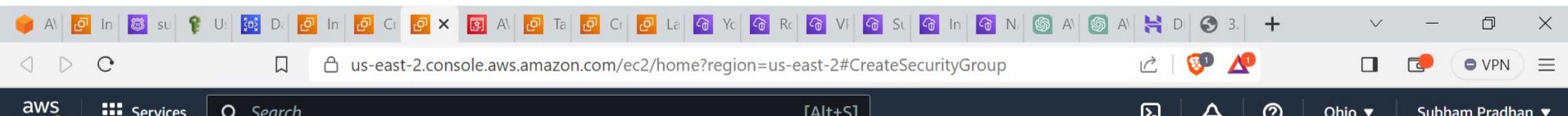
## Description [Info](#)

## load-balancer-sq

VPC Info

Q vpc-0e3423adc91b55790

## Inbound rules Info



## Outbound rules Info

Type	Protocol	Port range	Destination	Description - optional	
All traffic ▾	All	All	Custom ▾ <input type="text"/> 0.0.0.0/0 <span>X</span>	<input type="text"/>	Delete
HTTP ▾	TCP	80	Anywh... ▾ <input type="text"/> 0.0.0.0/0 <span>X</span>	<input type="text"/>	Delete
HTTPS ▾	TCP	443	Anywh... ▾ <input type="text"/> 0.0.0.0/0 <span>X</span>	<input type="text"/>	Delete

### Add rule

The screenshot shows the AWS Management Console with the URL [us-east-2.console.aws.amazon.com/ec2/home?region=us-east-2#CreateALBWizard](https://us-east-2.console.aws.amazon.com/ec2/home?region=us-east-2#CreateALBWizard). The top navigation bar includes the AWS logo, Services menu, and user Subham Pradhan. The main content area is titled "Create Application Load Balancer" with a sub-section "How Elastic Load Balancing works". The "Basic configuration" section contains fields for "Load balancer name" (set to "My-Load-balancer") and "Scheme" (set to "Internet-facing"). A note states that the scheme can't be changed after creation. The bottom navigation bar includes CloudShell, Feedback, Language, Privacy, Terms, and Cookie preferences.

EC2 > Load balancers > Create Application Load Balancer

## Create Application Load Balancer Info

The Application Load Balancer distributes incoming HTTP and HTTPS traffic across multiple targets such as Amazon EC2 instances, microservices, and containers, based on request attributes. When the load balancer receives a connection request, it evaluates the listener rules in priority order to determine which rule to apply, and if applicable, it selects a target from the target group for the rule action.

### ▶ How Elastic Load Balancing works

### Basic configuration

#### Load balancer name

Name must be unique within your AWS account and can't be changed after the load balancer is created.

A maximum of 32 alphanumeric characters including hyphens are allowed, but the name must not begin or end with a hyphen.

#### Scheme Info

Scheme can't be changed after the load balancer is created.

#### Internet-facing

An internet-facing load balancer routes requests from clients over the internet to targets. Requires a public subnet. [Learn more](#) ↗

[CloudShell](#)[Feedback](#)[Language](#)

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03:11 PM  
05-09-2023

A In su U D In EC A Ta Cr La Yc Rc Vf St In N A H D 3. +

us-east-2.console.aws.amazon.com/ec2/home?region=us-east-2#CreateALBWizard:

aws Services Search [Alt+S]

Ohio Subham Pradhan

**Security groups** [Info](#)

A security group is a set of firewall rules that control the traffic to your load balancer. Select an existing security group, or you can [create a new security group](#).

Security groups

Select up to 5 security groups

default sg-0f0dac0ac9e5d53d5 VPC: vpc-0e3423adc91b55790

load-balancer-sg sg-0ec3d68335f3a445d VPC: vpc-0e3423adc91b55790

**Listeners and routing** [Info](#)

A listener is a process that checks for connection requests using the port and protocol you configure. The rules that you define for a listener determine how the load balancer routes requests to its registered targets.

▼ Listener **HTTPS:443** Remove

Protocol	Port	Default action	<a href="#">Info</a>
----------	------	----------------	----------------------

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Type here to search

28°C Mostly cloudy 03:12 PM 05-09-2023 ENG

AWS Management Console - us-east-2.console.aws.amazon.com/ec2/home?region=us-east-2#Images:visibility=owned-by-... | AWS Marketplace | Route 53 | Users | IAM | Dashboard | Internet | Create template | Images | Your VPC | Internet | AWS PrivateLink | AWS PrivateLink | DNS / Network | + | Back | Forward | Refresh | Home | AWS Services | Search [Alt+S] | Help | Notifications | Ohio | Subham Pradhan

New EC2 Experience  Tell us what you think

EC2 Dashboard

EC2 Global View

Events

Instances

Instances

Instance Types

Launch Templates

Spot Requests

Savings Plans

Reserved Instances

Dedicated Hosts

Capacity Reservations

Images

AMIs

AMI Catalog

### Amazon Machine Images (AMIs) (1/2) Info

C Recycle Bin EC2 Image Builder Actions ▾ Launch instance from AMI

Owned by me Find AMI by attribute or tag

Name	AMI ID	AMI name	Source	Owner
<input checked="" type="checkbox"/>	<a href="#">ami-051ccd4ce3ee9d6e2</a>	Web-server-1-image	841429465794/Web-server-1-image	841429465794
<input type="checkbox"/>	<a href="#">ami-042348079730e006c</a>	Web-server-2-image	841429465794/Web-server-2-image	841429465794

AMI ID: [ami-051ccd4ce3ee9d6e2](#)

Details	Permissions	Storage	Tags
AMI ID <a href="#"> ami-051ccd4ce3ee9d6e2</a>	Image type machine	Platform details Linux/UNIX	Root device type EBS
AMI name <a href="#"> Web-server-1-image</a>	Owner account ID <a href="#"> 841429465794</a>	Architecture x86_64	Usage operation RunInstances
Root device name	Status	Source	Virtualization type

AWS Marketplace | Route 53 | Users | IAM | Dashboard | Internet | Targets | Images | Your VPC | Internet | AWS PrivateLink | AWS Project | DNS / Network | +

us-east-2.console.aws.amazon.com/ec2/home?region=us-east-2#TargetGroups:

aws Services Search [Alt+S]

New EC2 Experience Tell us what you think

EC2 Target groups

Target groups (1/1) Info Actions Create target group

Search or filter target groups

Name ARN Port Protocol Target type

Name	ARN	Port	Protocol	Target type
MY-TG	arn:aws:elasticloadbalancing:us-east-2:841429465794:targetgroup/MY-TG/23cf32796a9b2a9b	80	HTTP	Instance

Target group: MY-TG

Details Targets Monitoring Health checks Attributes Tags

Details

arn:aws:elasticloadbalancing:us-east-2:841429465794:targetgroup/MY-TG/23cf32796a9b2a9b

Target type	Protocol : Port	Protocol version	VPC
-------------	-----------------	------------------	-----

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31°C Cloudy 04:23 PM 05-09-2023 ENG

The screenshot shows the AWS Management Console with the URL [us-east-2.console.aws.amazon.com/ec2/home?region=us-east-2#CreateALBWizard](https://us-east-2.console.aws.amazon.com/ec2/home?region=us-east-2#CreateALBWizard). The top navigation bar includes tabs for AWS Marketplace, Route 53, Users, Dashboard, Internet, Create (highlighted), Images, Your VPC, Internet, AWS PrivateLink, AWS PrivateLink, DNS / Network, and a plus sign for new resources. Below the tabs is a search bar with the placeholder "Search" and a keyboard shortcut "[Alt+S]". The main navigation bar on the left shows the AWS logo and "Services" with a grid icon, followed by "EC2" and "Load balancers". A "Create Application Load Balancer" link is highlighted. The top right corner shows user information for "Ohio" and "Subham Pradhan".

## Create Application Load Balancer Info

The Application Load Balancer distributes incoming HTTP and HTTPS traffic across multiple targets such as Amazon EC2 instances, microservices, and containers, based on request attributes. When the load balancer receives a connection request, it evaluates the listener rules in priority order to determine which rule to apply, and if applicable, it selects a target from the target group for the rule action.

### ▶ How Elastic Load Balancing works

### Basic configuration

#### Load balancer name

Name must be unique within your AWS account and can't be changed after the load balancer is created.

A maximum of 32 alphanumeric characters including hyphens are allowed, but the name must not begin or end with a hyphen.

#### Scheme Info

Scheme can't be changed after the load balancer is created.

##### Internet-facing

An internet-facing load balancer routes requests from clients over the internet to targets. Requires a public subnet. [Learn more](#)



Type here to search



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05-09-2023

AWS Marketplace | Route 53 | Users | IAM | Dashboard | Internet | Create | Images | Your VPC | Internet | AWS PrivateLink | AWS Project | DNS / Network | +

us-east-2.console.aws.amazon.com/ec2/home?region=us-east-2#CreateALBWizard:

aws Services Search [Alt+S]

Network mapping [Info](#)

The load balancer routes traffic to targets in the selected subnets, and in accordance with your IP address settings.

VPC [Info](#)

Select the virtual private cloud (VPC) for your targets or you can [create a new VPC](#). Only VPCs with an internet gateway are enabled for selection. The selected VPC can't be changed after the load balancer is created. To confirm the VPC for your targets, view your [target groups](#).

My-vpc-1

vpc-0ea196f69e0e06256

IPv4: 10.0.0.0/16

Mappings [Info](#)

Select at least two Availability Zones and one subnet per zone. The load balancer routes traffic to targets in these Availability Zones only. Availability Zones that are not supported by the load balancer or the VPC are not available for selection.

us-east-2a (use2-az1)

Subnet

subnet-0dedf238d024a29ce Public-subnet ▾

IPv4 address

Assigned by AWS

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Type here to search

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The screenshot shows the AWS Management Console interface. The top navigation bar has several tabs: AWS Marketplace, Route 5, Users, Dashboard, Internet, Create a, EC2 (selected), Images, Your VP, Internet, AWS PrivateLink, AWS PrivateLink, DNS / Network, and a plus sign for new services. Below the tabs is a search bar with the placeholder "Search" and a keyboard shortcut "[Alt+S]". On the left, the AWS logo is followed by "Services" and a grid icon. To the right are icons for notifications (1), alerts (1), and help, along with dropdown menus for "Ohio" and "Subham Pradhan".

EC2 > Security Groups > Create security group

## Create security group Info

A security group acts as a virtual firewall for your instance to control inbound and outbound traffic. To create a new security group, complete the fields below.

### Basic details

Security group name Info

Name cannot be edited after creation.

Description Info

VPC Info

 X

### Inbound rules Info

CloudShell Feedback Language

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AWS Route Users Dash Intern Lo Register Target Image Your Intern AWS AWS DNS / 503 S +

us-east-2.console.aws.amazon.com/ec2/home?region=us-east-2#LoadBalancers:search=My-Lo... | 3 1 VPN

aws Services Search [Alt+S]

New EC2 Experience  
Tell us what you think X

EC2 > Load balancers

## Load balancers (1/1)

Elastic Load Balancing scales your load balancer capacity automatically in response to changes in incoming traffic.



Actions ▾

Create load balancer



Filter by property or value

My-Load-balancer X

Clear filters

< 1 >



<input checked="" type="checkbox"/> Name	DNS name	State	VPC ID	Availability Zone
<a href="#">My-Load-balancer</a>	My-Load-balancer-770824...	Active	vpc-0ea196f69e0e06256	2 Availability Zone

- EC2 Dashboard
- EC2 Global View
- Events
- Instances
  - Instances
  - Instance Types
  - Launch Templates
  - Spot Requests
  - Savings Plans
  - Reserved Instances
  - Dedicated Hosts
  - Capacity Reservations
- Images
  - AMIs
  - AMI Catalog

### Load balancer: My-Load-balancer

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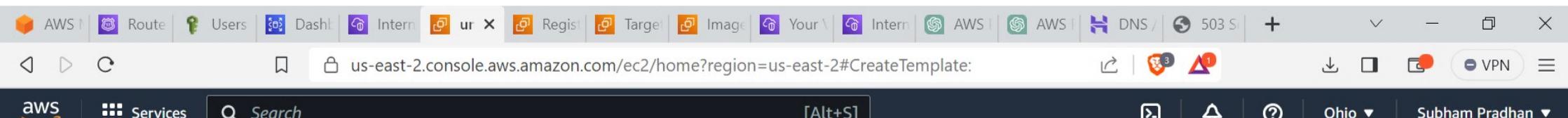
04:35 PM

05-09-2023



Type here to search





[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*

My-Launch-Template

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

### Template version description

My-Launch-Template

Max 255 chars

Auto Scaling guidance [Info](#)

Select this if you intend to use this template with EC2 Auto Scaling

Provide guidance to help me set up a template that I can use with EC2 Auto Scaling

▼ Summary

## Software Image (AMI)

### Virtual server type (instance type)

## Firewall (security group)

## Storage (volumes)

Cancel

## Create launch template

AWS Route Users Dash Intern ur Register Target Image Your Intern AWS AWS DNS / 503 S + - VPN Ohio Subham Pradhan

us-east-2.console.aws.amazon.com/ec2/home?region=us-east-2#CreateTemplate:

Services Search [Alt+S]

An AMI is a template that contains the software configuration (operating system, application server, and applications) required to launch your instance. Search or Browse for AMIs if you don't see what you are looking for below

Search our full catalog including 1000s of application and OS images

Recents My AMIs Quick Start

Owned by me Shared with me

Browse more AMIs Including AMIs from AWS, Marketplace and the Community

Amazon Machine Image (AMI)

Web-server-1-image  
ami-051cccd4ce3ee9d6e2  
2023-09-05T10:50:18.000Z Virtualization: hvm ENA enabled: true Root device type: ebs

Description Web-server-1-image

▼ Summary

Software Image (AMI)  
Web-server-1-image  
ami-051cccd4ce3ee9d6e2

Virtual server type (instance type)

Firewall (security group)

Storage (volumes)  
1 volume(s) - 8 GiB

Cancel Create launch template

AWS Route Users Dash Intern ur Register Target Image Your Intern AWS AWS DNS / 503 S + - VPN Ohio Subham Pradhan

us-east-2.console.aws.amazon.com/ec2/home?region=us-east-2#CreateTemplate:

Services Search [Alt+S]

**Network settings** Info

Subnet Info  
Don't include in launch template

When you specify a subnet, a network interface is automatically added to your template.

Firewall (security groups) Info  
A security group is a set of firewall rules that control the traffic for your instance. Add rules to allow specific traffic to reach your instance.

Select existing security group  Create security group

Security group name - *required*  
Template-SG  
This security group will be added to all network interfaces. The name can't be edited after the security group is created. Max length is 255 characters. Valid characters: a-z, A-Z, 0-9, spaces, and .\_-:/()#@[]+=;&;{}!\$\*

Description - *required* Info  
Allows SSH,HTTP and HTTPS

VPC - *required* Info  
vpc-0ea196f69e0e06256 (My-vpc-1)  
10.0.0.0/16

Create new subnet

**Summary**

Software Image (AMI)  
Web-server-1-image  
ami-051ccd4ce3ee9d6e2

Virtual server type (instance type)  
t2.micro

Firewall (security group)  
New security group

Storage (volumes)  
1 volume(s) - 8 GiB

Cancel **Create launch template**

AWS Route Users Dash Intern ur Register Target Image Your Intern AWS AWS DNS / 503 S + - VPN Ohio Subham Pradhan

us-east-2.console.aws.amazon.com/ec2/home?region=us-east-2#CreateTemplate:

Services Search [Alt+S]

Type Info Protocol Info Port range Info

ssh TCP 22

Source type Info Source Info Description - optional Info

Anywhere Add CIDR, prefix list or security group e.g. SSH for admin desktop

0.0.0.0/0 X

Security group rule 2 (TCP, 80, 0.0.0.0/0) Remove

Type Info Protocol Info Port range Info

HTTP TCP 80

Source type Info Source Info Description - optional Info

Anywhere Add CIDR, prefix list or security group e.g. SSH for admin desktop

0.0.0.0/0 X

Security group rule 3 (TCP, 443, 0.0.0.0/0) Remove

Type Info Protocol Info Port range Info

HTTPS TCP 443

Summary

Software Image (AMI)

Web-server-1-image  
ami-051ccd4ce3ee9d6e2

Virtual server type (instance type)

t2.micro

Firewall (security group)

New security group

Storage (volumes)

1 volume(s) - 8 GiB

Create launch template

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AWS Route Users Dash Intern ur Register Target Image Your Intern AWS AWS DNS / 503 S + - VPN Ohio Subham Pradhan

aws Services Search [Alt+S]

New EC2 Experience Tell us what you think

EC2 Dashboard EC2 Global View Events Instances Instances Instance Types Launch Templates Spot Requests Savings Plans Reserved Instances Dedicated Hosts Capacity Reservations Images AMIs AMI Catalog

us-east-2.console.aws.amazon.com/ec2/home?region=us-east-2#LaunchTemplates:

EC2 > Launch templates

Launch templates (1/1) Info Actions Create launch template

Filter by tags or properties or search by keyword

Launch template ID	Launch template name	Default version
lt-06f789bf0fe83ad7d	My-Launch-Template	1

My-Launch-Template (lt-06f789bf0fe83ad7d)

Launch template details Actions Delete template

Launch template ID	Launch template name	Default version	Owner
lt-06f789bf0fe83ad7d	My-Launch-Template	1	arn:aws:iam::841429465794 :root

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Type here to search

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AWS Route Users Dash Intern Al Register Target Image Your Intern AWS AWS DNS / 503 S +

us-east-2.console.aws.amazon.com/ec2/home?region=us-east-2#AutoScalingGroups:

Services Search [Alt+S]

AMI Catalog

Elastic Block Store

- Volumes
- Snapshots
- Lifecycle Manager

Network & Security

- Security Groups
- Elastic IPs
- Placement Groups
- Key Pairs
- Network Interfaces

Load Balancing

- Load Balancers
- Target Groups

Auto Scaling

- Auto Scaling Groups

# Amazon EC2 Auto Scaling

## helps maintain the availability of your applications

Auto Scaling groups are collections of Amazon EC2 instances that enable automatic scaling and fleet management features. These features help you maintain the health and availability of your applications.

### Create Auto Scaling group

Get started with EC2 Auto Scaling by creating an Auto Scaling group.

Create Auto Scaling group

### How it works

### Pricing

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 launch template or configuration Info

Specify a launch template that contains settings common to all EC2 instances that are launched by this Auto Scaling group. If you currently use launch configurations, you might consider migrating to launch templates.

**Name**

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

**Launch template Info** Switch to launch configuration

Launch template  
Choose a launch template that contains the instance-level settings, such as the Amazon Machine Image (AMI), instance type, key pair, and security groups.  
 ▼ 

[Create a launch template](#)

**Services** Search [Alt+S]

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

**VPC**  
Choose the VPC that defines the virtual network for your Auto Scaling group.

vpc-0ea196f69e0e06256 (My-vpc-1) 10.0.0.0/16 C

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 C

us-east-2a | subnet-0dedf238d024a29ce (Public-subnet) 10.0.1.0/24 X

us-east-2b | subnet-02f972367982b313d (Private-subnet) 10.0.2.0/24 X

Create a subnet

### Instance type requirements Info

**Override launch template**

You can keep the same instance attributes or instance type from your launch template, or you can choose to override the launch template by specifying different instance attributes or manually adding instance types.

AWS Route Users Dash Intern ur Register Target Image Your Intern AWS AWS DNS / 503 S + - VPN Ohio Subham Pradhan

us-east-2.console.aws.amazon.com/ec2/home?region=us-east-2#CreateAutoScalingGroup:

Services Search [Alt+S]

Load balancing Info

Use the options below to attach your Auto Scaling group to an existing load balancer, or to a new load balancer that you define.

No load balancer  
Traffic to your Auto Scaling group will not be fronted by a load balancer.

Attach to an existing load balancer  
Choose from your existing load balancers.

Attach to a new load balancer  
Quickly create a basic load balancer to attach to your Auto Scaling group.

**Attach to an existing load balancer**

Select the load balancers that you want to attach to your Auto Scaling group.

Choose from your load balancer target groups  
This option allows you to attach Application, Network, or Gateway Load Balancers.

Choose from Classic Load Balancers

Existing load balancer target groups  
Only instance target groups that belong to the same VPC as your Auto Scaling group are available for selection.

Select target groups

AWS Route Users Dash Intern ur Register Target Image Your Intern AWS AWS DNS / 503 S + - VPN Ohio Subham Pradhan

aws Services Search [Alt+S]

Step 7 Review

Choose from your load balancer target groups  
This option allows you to attach Application, Network, or Gateway Load Balancers.

Choose from Classic Load Balancers

Existing load balancer target groups  
Only instance target groups that belong to the same VPC as your Auto Scaling group are available for selection.

Select target groups ▾ C

MY-TG | HTTP X  
Application Load Balancer: My-Load-balancer

**VPC Lattice integration options** Info

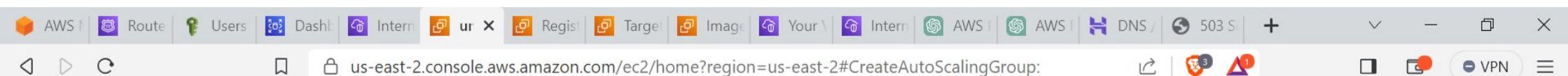
To improve networking capabilities and scalability, integrate your Auto Scaling group with VPC Lattice. VPC Lattice facilitates communications between AWS services and helps you connect and manage your applications across compute services in AWS.

Select VPC Lattice service to attach

No VPC Lattice service  
VPC Lattice will not manage your Auto Scaling group's network access and connectivity with other services.

Attach to VPC Lattice service  
Incoming requests associated with specified VPC Lattice target groups will be routed to your Auto Scaling group.

Create new VPC Lattice service ↗



console [Edit](#)

Turn on VPC Lattice health checks  
VPC Lattice can monitor whether instances are available to handle requests. If it considers a target as failed a health check, EC2 Auto Scaling replaces it after its next periodic check.

**Health check grace period** [Info](#)  
This time period delays the first health check until your instances finish initializing. It doesn't prevent an instance from terminating when placed into a non-running state.  
 seconds

**Additional settings**

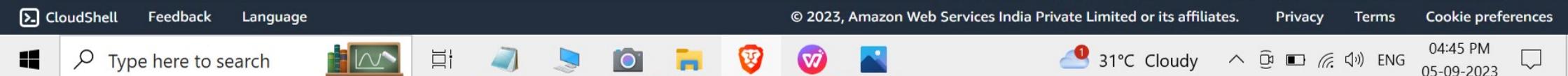
**Monitoring** [Info](#)  
 Enable group metrics collection within CloudWatch

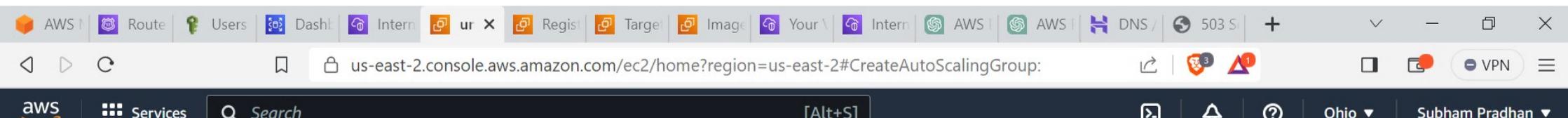
**Default instance warmup** [Info](#)  
The amount of time that CloudWatch metrics for new instances do not contribute to the group's aggregated instance metrics, as their usage data is not reliable yet.  
 Enable default instance warmup

[Cancel](#) [Skip to review](#) [Previous](#) [Next](#)

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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

## Step 7

Configure group size and scaling policies - *optional* Int

Set the desired, minimum, and maximum capacity of your Auto Scaling group. You can optionally add a scaling policy to dynamically scale the number of instances in the group.

## Group size - optional [Info](#)

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

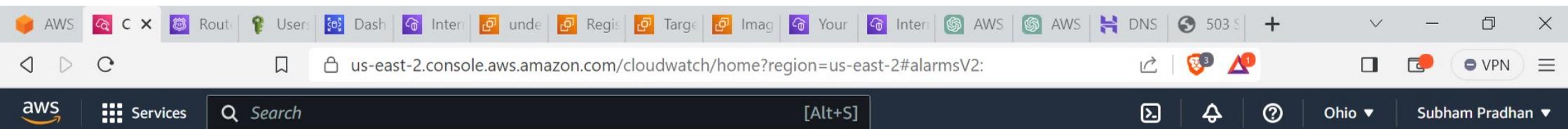
1

Minimum capacity

1

Maximum capacity

1



The screenshot shows the AWS CloudWatch Alarms interface. The left sidebar includes links for Favorites and recents, Dashboards, Alarms (with counts for alerts, ok, and pending), Logs, Metrics, X-Ray traces, Events, Application monitoring, Insights, Settings, and Getting Started. The main content area displays a header with 'Alarms (0)', a search bar, and filters for State, Type, and Actions. It shows a message: 'No alarms' and 'No alarms to display'. A 'Create alarm' button is prominently displayed.

CloudWatch

Favorites and recents

Dashboards

Alarms ⚠ 0 ○ 0 ⏱ 0

In alarm

All alarms

Logs

Metrics

X-Ray traces

Events

Application monitoring

Insights

Settings New

Getting Started

CloudWatch > Alarms

Alarms (0)  Hide Auto Scaling alarms

Clear selection C Create composite alarm Actions ▾ Create alarm

Search Any state Any type Any actions ... < 1 > ⚙

Name	State	Last state update	Conditions	Actions
No alarms				
No alarms to display				
<a href="#">Read more about Alarms</a>				
<a href="#">Create alarm</a>				



New EC2 Experience  
Tell us what you think

EC2 Dashboard

EC2 Global View

Events

**Instances**

Instances

Instance Types

Launch Templates

Spot Requests

Savings Plans

Reserved Instances

Dedicated Hosts

Capacity Reservations

**Images**

AMIs

AMI Catalog

**Instances (1/4) Info**



Connect

Instance state ▾

Actions ▾

Launch instances ▾

Find instance by attribute or tag (case-sensitive)

Instance state = running



Clear filters

< 1 >



-	Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Ava	
<input checked="" type="checkbox"/>	-	i-09b1e8819b077e2ab	<span>Running</span>	t2.micro	<span>Initializing</span>	No alarms		us-e
<input type="checkbox"/>	Web-server-1	i-0f970c3d74d7a7522	<span>Running</span>	t2.micro	<span>2/2 checks passed</span>	No alarms		us-e
<input type="checkbox"/>	DB-server	i-07100e44db328d8d9	<span>Running</span>	t2.micro	<span>2/2 checks passed</span>	No alarms		us-e
<input type="checkbox"/>	Web-server-2	i-05f5af351c40f445a	<span>Running</span>	t2.micro	<span>2/2 checks passed</span>	No alarms		us-e

**Instance: i-09b1e8819b077e2ab**



Details

Security

Networking

Storage

Status checks

Monitoring

Tags

Instance summary [Info](#)

Instance ID

i-09b1e8819b077e2ab

Public IPv4 address

3.141.29.140 | [open address](#)

Private IPv4 addresses

10.0.1.218

IPv6 address

-

Instance state

Running

Public IPv4 DNS

ec2-3-141-29-140.us-east-



AWS Cloud Route Users Dash Inter unde Regis T x Imag Your Inter AWS AWS DNS 503 S +

us-east-2.console.aws.amazon.com/ec2/home?region=us-east-2#TargetGroups:

Search [Alt+S]

AMI Catalog

Elastic Block Store

- Volumes
- Snapshots
- Lifecycle Manager

Network & Security

- Security Groups
- Elastic IPs
- Placement Groups
- Key Pairs
- Network Interfaces

Load Balancing

- Load Balancers
- Target Groups

Auto Scaling

- Auto Scaling Groups

CloudShell Feedback Language

EC2 Target groups

Target groups (1/1) Info Actions Create target group

Search or filter target groups

Name	ARN	Port	Protocol	Target type
MY-TG	arn:aws:elasticloadbalanci...	80	HTTP	Instance

Target group: MY-TG

Details Targets Monitoring Health checks Attributes Tags

Registered targets (1/1) Deregister Register targets

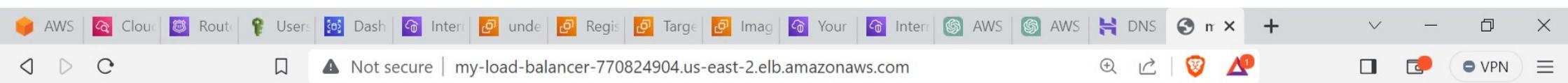
Filter resources by property or value

Instance ID	Name	Port	Zone	Health sta...	Health sta...
i-09b1e8819...		80	us-east-2a	healthy	green

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Type here to search

29°C Cloudy 04:52 PM 05-09-2023 ENG



# This is web-server-1





## My-Auto-Scaling-group

[Details](#)[Activity](#)[Automatic scaling](#)[Instance management](#)[Monitoring](#)[Instance refresh](#)

 Scaling policies resize your Auto Scaling group to meet changes in demand. With reactive dynamic scaling policies, you can track specific CloudWatch metrics and take action when the CloudWatch alarm threshold is met. Use predictive scaling policies along with dynamic scaling policies in the following situations: when your application demand changes quickly, but with a recurring pattern, or when your EC2 instances require more time to initialize.

**Dynamic scaling policies (0)** [Info](#)

[Actions ▾](#)[Create dynamic scaling policy](#)

&lt; 1 &gt;

No dynamic scaling policies have been created

Dynamic scaling policies use real-time data to scale your group based on configurable metrics.

[Create dynamic scaling policy](#)

AWS | C X | Rout | Users | Dash | Inter | unde | Regis | Targe | Imag | Your | Inter | AWS | AWS | DNS | my-l | + | V | - | □ | X

us-east-2.console.aws.amazon.com/cloudwatch/home?region=us-east-2#alarmsV2:

aws Services Search [Alt+S]

CloudWatch Alarms

Alarms (0)  Hide Auto Scaling alarms Clear selection Create composite alarm Actions Create alarm

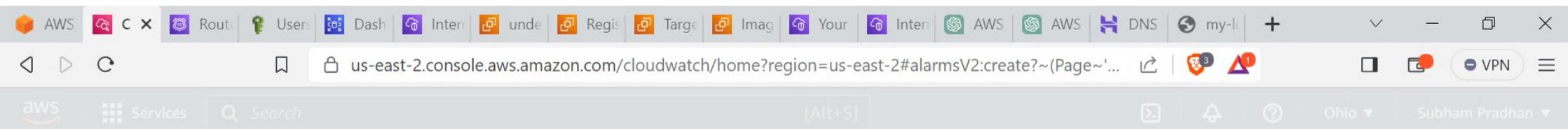
Search Any state Any type Any actions ... < 1 >

Name	State	Last state update	Conditions	Actions
No alarms				
No alarms to display				
<a href="#">Read more about Alarms</a>				
<a href="#">Create alarm</a>				

Favorites and recents Dashboards Alarms In alarm All alarms Logs Metrics X-Ray traces Events Application monitoring Insights Settings New Getting Started







## Select metric

## Browse

## Query

## Graphed metrics (1)

## Options

## Source

Add math ▾

Add query ▾

My-Auto-Scaling-group

## DiskWriteBytes

□ My-Auto-Scaling-group

NetworkIn

#### My-Auto-Scaling-group

#### CPUUtilization

#### My-Auto Scaling group

### DiskWriteOps

My Auto Scaling group

RickRoadOne

---

 [Meet the Staff](#)

Page 10

— 9 —

---

## My Auto Scaling group

### DISKReadByte

## My-Auto-Scaling-group

## Networkout

## My-Auto-Scaling-group

## NetworkPacketsIn

**Cancel**

### Select metric

aws Services Search [Alt+S]

Step 3  
Add name and description

Step 4  
Preview and create

Graph

This alarm will trigger when the blue line goes above the red line for 1 datapoints within 1 minute.

Percent

0.335

0.317

0.299

09:30 10:30 11:30

CPUUtilization

Namespace  
AWS/EC2

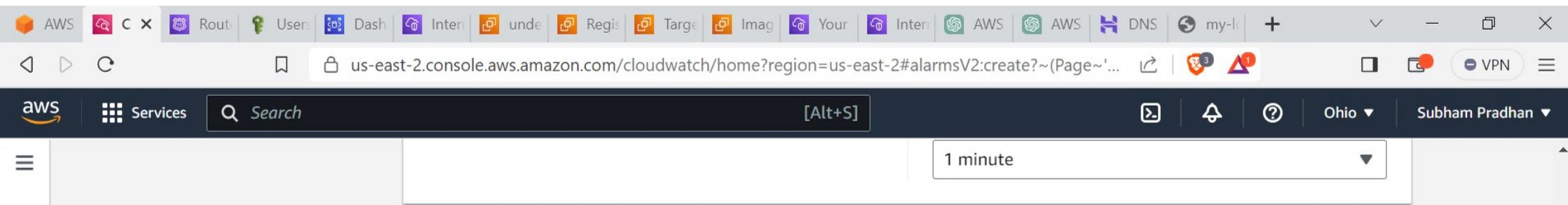
Metric name  
CPUUtilization

AutoScalingGroupName  
My-Auto-Scaling-group

Statistic  
Average

Period  
1 minute

Conditions



## Conditions

## Threshold type

- Static  
Use a value as a threshold

- Anomaly detection  
Use a band as a threshold

Whenever CPUUtilization is...

Define the alarm condition.

- Greater  
> threshold

-  Greater/Equal  
>= threshold

- Lower/Equal  
 $\leq \text{threshold}$

- Lower  
< threshold

than...

Define the threshold value.

60

Must be a number

## ► Additional configuration

#### Step 1

## Step 1

#### Specify metric and conditions

## Step 2

## Configure actions

### Step 3

Add name and description

#### Step 4

## Preview and create

Add name and description

## Name and description

### Alarm name

Auto-scaling-gp-CPU>=60%

Alarm description - optional [View formatting guidelines](#)

Edit | Preview

# This is an H1

*\*\*double asterisks will produce strong character\*\**

This is [an example](<https://example.com/>) inline link.

Up to 1024 characters (0/1024)

**ⓘ** Markdown formatting is only applied when viewing your alarm in the console. The description will remain in plain text in the alarm notifications.

AWS C X Rout Users Dash Inter unde Regis Target Imag Your Inter AWS AWS DNS my-l + v - □ X us-east-2.console.aws.amazon.com/cloudwatch/home?region=us-east-2#alarmsV2: 3 1 VPN Ohio Subham Pradhan

aws Services Search [Alt+S]

## CloudWatch Alarms

Alarms (2)  Hide Auto Scaling alarms

<input type="checkbox"/>	Name	State	Last state update	Conditions	Actions
<input type="checkbox"/>	<a href="#">AUTO SCALING GP</a> <a href="#">CPU&lt;=40% (SCALE IN)</a>	<span>Insufficient data</span>	2023-09-05 11:40:59	CPUUtilization <= 40 for 1 datapoints within 5 minutes	No actions
<input type="checkbox"/>	<a href="#">AUTO SCALING GP</a> <a href="#">CPU&gt;=60% (SCALE OUT)</a>	<span>Insufficient data</span>	2023-09-05 11:38:34	CPUUtilization >= 60 for 1 datapoints within 1 minute	No actions

Favorites and recents Dashboards Alarms In alarm All alarms Logs Metrics X-Ray traces Events Application monitoring Insights Settings New Getting Started

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Services

Search

[Alt+S]



Ohio ▾

Subham Pradhan ▾



EC2 &gt; Auto Scaling groups &gt; My-Auto-Scaling-group

## Create dynamic scaling policy

Policy type

Simple scaling

Scaling policy name

Scale-out-policy

CloudWatch alarm

Choose an alarm that can scale capacity whenever:

AUTO SCALING GP CPU&gt;=60% (SCALE OUT)

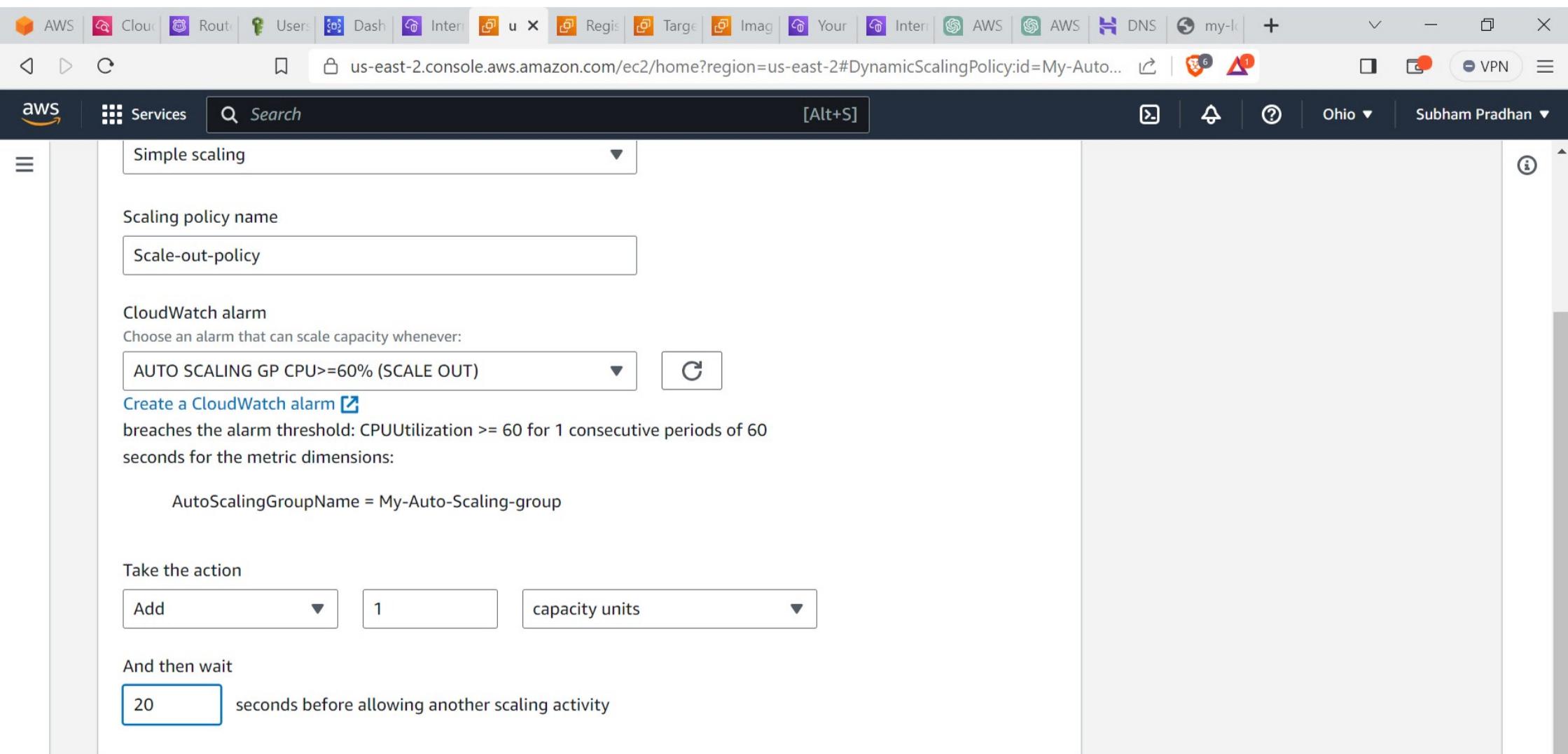
[Create a CloudWatch alarm](#)

breaches the alarm threshold: CPUUtilization  $\geq 60$  for 1 consecutive periods of 60 seconds for the metric dimensions:

AutoScalingGroupName = My-Auto-Scaling-group

Take the action







Services

Search

[Alt+S]



Ohio ▾

Subham Pradhan ▾



EC2 &gt; Auto Scaling groups &gt; My-Auto-Scaling-group



## Create dynamic scaling policy

Policy type

Simple scaling

Scaling policy name

Scale-IN-policy

CloudWatch alarm

Choose an alarm that can scale capacity whenever:

AUTO SCALING GP CPU&lt;=40% (SCALE IN)

[Create a CloudWatch alarm](#)

breaches the alarm threshold: CPUUtilization &lt;= 40 for 1 consecutive periods of 300

seconds for the metric dimensions:

AutoScalingGroupName = My-Auto-Scaling-group

Take the action

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Services

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Subham Pradhan

## Route 53



Route 53 > Hosted zones

Dashboard

### Hosted zones

Health checks

### IP-based routing

CIDR collections

### Traffic flow

Traffic policies

Policy records

### Domains

Registered domains

Requests

### Resolver

### Hosted zones (1)

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



View details

Edit

Delete

Create hosted zone



Filter records by property or value

< 1 >



Hosted zone name	Type	Create...	Record ...	Description	Hosted zone ID
subhampradhan.online	Public	Route 53	3	subhampr...	Z0174...

LIVE

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Near record



ENG

03:41 PM  
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Console Home | us-east-2 | Instances | EC2 | us-east-2 | RDS | us-east-2 | subhampradhan.online - | DNS / Nameservers | Hosted zones | +

us-east-1.console.aws.amazon.com/route53/v2/hostedzones?region=us-east-2#ListRecordSets/Z01740661DI4GUWKE7X8

WhatsApp Instagram Facebook SkillsBuild (870) YouTube ChatGPT

aws Services Search [Alt+S]

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

Records (1/3) Info

The following table lists the existing records in subhampradhan.online. You can't delete the SOA record or the NS record named subhampradhan.online.

Delete record Import zone file Create record

Filter records by property or value Type Routing policy Alias

Record ... Type Routine Differ... Alias Value/Route

<input checked="" type="checkbox"/>	subhampr...	NS	Simple	-	No	ns-1247.awsdns-27.org. ns-647.awsdns-16.net. ns-1548.awsdns-01.co.uk. ns-209.awsdns-26.com.
<input type="checkbox"/>	subhampr...	SOA	Simple	-	No	ns-1247.awsdns-27.org.

Record details

Edit record

Record name: subhampradhan.online

Record type: NS

Copied

ns-1247.awsdns-27.org.  
ns-647.awsdns-16.net.  
ns-1548.awsdns-01.co.uk.  
ns-209.awsdns-26.com.

Alias: No

TTL (seconds): 172800



Type here to search



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Pro Panel **BETA**



Back to domains

subhampradhan.online

Domain Overview

DNS / Nameservers

Domain Ownership

Give feedback

### Select Nameservers

- Use Hostinger nameservers (recommended)
- Change nameservers

ns-1247.awsdns-27.org

ns-1548.awsdns-01.co.uk

ns-209.awsdns-26.com

ns-647.awsdns-16.net

Save

Cancel

### Manage DNS records

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15-09-2023



Type here to search



The screenshot shows the AWS EC2 Instances page. There are two instances listed:

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Avg.
Web-server-1	i-0f970c3d74d7a7522	Running	t2.micro	2/2 checks passed	No alarms	us-east-1
DB-server	i-07100e44db328d8d9	Running	t2.micro	2/2 checks passed	No alarms	us-east-1
-	i-0c1a7b1b220eb0773	Running	t2.micro	2/2 checks passed	No alarms	us-east-1
Web-server-2	i-05f5af351c40f445a	Running	t2.micro	2/2 checks passed	No alarms	us-east-1

The instance details for "Web-server-1" are expanded:

**Instance: i-0f970c3d74d7a7522 (Web-server-1)**

**Details** | Security | Networking | Storage | Status checks | Monitoring | Tags

**Instance summary** Info

Instance ID	i-0f970c3d74d7a7522 (Web-server-1)	Public IPv4 address	3.144.38.34 <a href="#">[open address]</a>	Private IPv4 addresses	10.0.1.238
-------------	------------------------------------	---------------------	--	------------------------	------------

IP: 3.144.38.34 Public IP: 3.144.38.34 DNS: web-server-1.us-east-1.compute.amazonaws.com

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## AWS Certificate Manager (ACM)

## List certificates

## Request certificate

## Import certificate

AWS Private CA

Certificates (1/1)							
	C	Delete	Manage expiry events	Import	Request	< 1 >	⚙️
✓	Certificate ID	Domain name	Type	Status	In use	Renewal eligibility	Key algorithm
✓	86404f1f-125f-466d-a7dd-3e5afdec0509	subhampradh an.online	Amazon Issued	✓ Issued	No	Ineligible	RSA 2048



Services

Search [Alt+S]



Ohio ▾

Subham Pradhan ▾

## Secure listener settings Info

### Security policy

Your load balancer uses a Secure Socket Layer (SSL) negotiation configuration, known as a security policy, to negotiate SSL connections with clients.

ELBSecurityPolicy-TLS13-1-2-2021-06 (recommended)

[Compare security policies](#)

### Default SSL/TLS certificate

The certificate used if a client connects without SNI protocol, or if there are no matching certificates. This certificate will automatically be added to your listener certificate list.

From ACM

subhampradhan.online

86404f1f-125f-466d-a7dd-3e5afdec0509

[Request new ACM certificate](#)

### ► Listener tags - optional

Consider adding tags to your listener. Tags enable you to categorize your AWS resources so you can more easily manage them.



Type here to search



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Console X | Load X | Certif X | Instal X | Conn X | RDS X | subh X | DNS X | Chat X | 18.11 X | web X | +

us-east-1.console.aws.amazon.com/route53/v2/hostedzones?region=us-east-2#CreateRecordSet/Z01740661DI4GUW0KE7X8

WhatsApp Instagram Facebook SkillsBuild (870) YouTube ChatGPT

aws Services Search [Alt+S]

## Create record Info

**Quick create record** [Switch to wizard](#)

**Record 1** [Delete](#)

**Record name** [Info](#)  .subhampradhan.online

Keep blank to create a record for the root domain.

Alias

**Route traffic to** [Info](#)

Alias to Application and Classic Load Balancer

US East (Ohio)

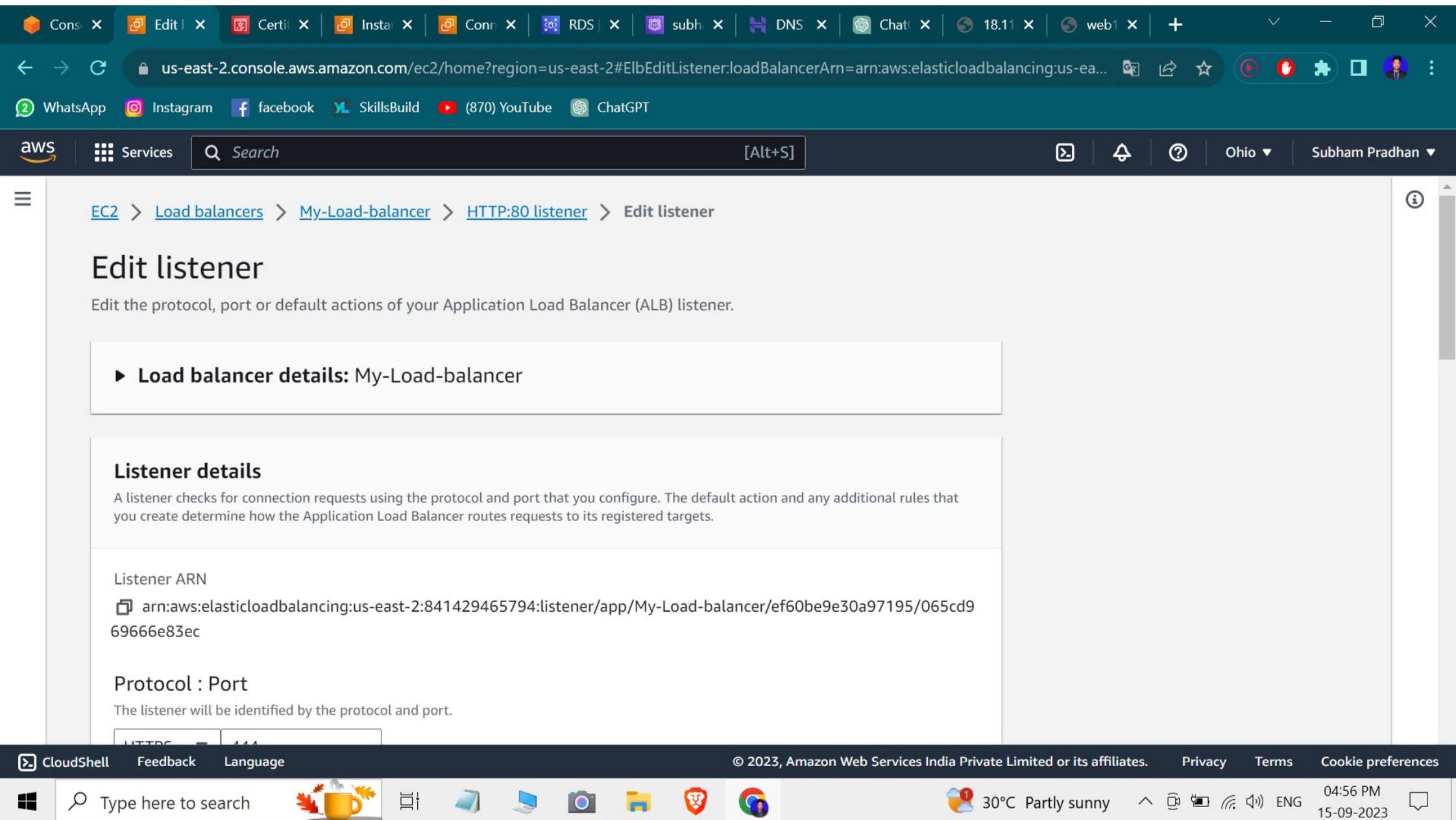
[X](#)

Alias hosted zone ID: Z3AADJGX6KTTL2

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The default action is used if no other rules apply. Choose the default action for traffic on this listener.

**Authentication** | [Info](#)

Use OpenID or Amazon Cognito  
Include authentication using either OpenID Connect (OIDC) or Amazon Cognito.

**Action types**

Forward to target groups     Redirect to URL     Return fixed response

**Redirect to URL** | [Info](#)

Redirect client requests from one URL to another. You cannot redirect HTTPS to HTTP. To avoid a redirect loop, you must modify at least one of the following components: protocol, port, hostname or path. Components that you do not modify retain their original values.

[URI parts](#)    **Full URL**

**Full URL** | [Info](#)

Enter the redirect URL.

`https://web1.subhampradhan.online`

protocol://hostname:port/path?query

**aws Services**  [Alt+S]

Compare security policies

**Default SSL/TLS certificate**

The certificate used if a client connects without SNI protocol, or if there are no matching certificates. This certificate will automatically be added to your listener certificate list.

From ACM subhampradhan.online

[Request new ACM certificate](#)

**▼ Listener tags - optional**

Consider adding tags to your listener. Tags enable you to categorize your AWS resources so you can more easily manage them.

Key	Value - optional	Remove
<input type="text" value="Key"/>	<input type="text" value="Value"/>	

[Add new tag](#)

You can add up to 49 tags.

Cancel

Save changes

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ENG

Instances | EC2 | us-east-2    Route tables | VPC Management    RDS | us-east-2    subhampradhan.online

us-east-2.console.aws.amazon.com/rds/home?region=us-east-2#launch-dbinstance;isHermesCreate=true

WhatsApp Instagram Facebook YouTube Google T20 World Cup Cric... Dashboard | Hacker...

aws Services Search [Alt+S]

RDS > Create database

## Create database

### Choose a database creation method Info

#### Standard create

You set all of the configuration options, including ones for availability, security, backups, and maintenance.

#### Easy create

Use recommended best-practice configurations. Some configuration options can be changed after the database is created.

### Engine options

#### Engine type Info

##### Aurora (MySQL Compatible)



##### Aurora (PostgreSQL Compatible)



##### MySQL



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Instances | EC2 | us-east-2    Route tables | VPC Management    RDS | us-east-2    subhampradhan.online

us-east-2.console.aws.amazon.com/rds/home?region=us-east-2#launch-dbinstance;isHermesCreate=true

WhatsApp Instagram Facebook YouTube Google T20 World Cup Cric... Dashboard | Hacker...

aws Services Search [Alt+S]

### Engine options

Engine type [Info](#)

- Aurora (MySQL Compatible)
- Aurora (PostgreSQL Compatible)
- MySQL
- MariaDB
- PostgreSQL
- Oracle
- Microsoft SQL Server

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Instances | EC2 | us-east-2    Route tables | VPC Management    RDS | us-east-2    subhampradhan.online

us-east-2.console.aws.amazon.com/rds/home?region=us-east-2#launch-dbinstance;isHermesCreate=true

WhatsApp Instagram Facebook YouTube Google T20 World Cup Cric... Dashboard | Hacker...

aws Services Search [Alt+S]

## Connectivity Info

**Compute resource**

Choose whether to set up a connection to a compute resource for this database. Setting up a connection will automatically change connectivity settings so that the compute resource can connect to this database.

Don't connect to an EC2 compute resource  
Don't set up a connection to a compute resource for this database. You can manually set up a connection to a compute resource later.

Connect to an EC2 compute resource  
Set up a connection to an EC2 compute resource for this database.

**EC2 instance [Info](#)**

Choose the EC2 instance to add as the compute resource for this database. A VPC security group is added to this EC2 instance. A VPC security group is also added to the database with an inbound rule that allows the EC2 instance to access the database.

i-0fb568acb65a12818

DB-server

**Some VPC settings can't be changed when a compute resource is added**

Adding an EC2 compute resource automatically selects the VPC, DB subnet group, and public access settings for this database. To allow the EC2 instance to access the database, a VPC security group rds-ec2-X is added to the database and another called ec2-rds-X to the EC2 instance. You can remove the new security group for the database only by removing the compute resource.



Type here to search



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Instances | EC2 | us-east-2 | Route tables | VPC Management | Databases | RDS | us-east-2 | subhampradhan.online

us-east-2.console.aws.amazon.com/rds/home?region=us-east-2#databases:

WhatsApp Instagram Facebook YouTube Google T20 World Cup Cric... Dashboard | Hacker...

AWS Services Search [Alt+S]

You can manually upgrade your database, or RDS will automatically upgrade it for you after end-of-life (EOL) date. To upgrade manually choose [Modify](#) for the DB instance or cluster. If you have any questions, contact [AWS Support](#).

▼ Database deprecations (1)

- You have 1 database with Certificate Authority RDS Certificate Authority (CA) 2019 that will reach end-of-life (EOL). Starting on August 22, 2024, RDS will automatically upgrade to Certificate Authority during an upcoming maintenance window. See [RDS Certificate Authority \(CA\) 2019](#).

**Consider creating a Blue/Green Deployment to minimize downtime during upgrades**

You may want to consider using Amazon RDS Blue/Green Deployments and minimize your downtime during upgrades. A Blue/Green Deployment provides a staging environment for changes to production databases. [RDS User Guide](#) [Aurora User Guide](#)

**Databases (1)**

DB identifier	Status	Role	Engine	Region & AZ	Size	Actions	CPU
database-1	Creating	Instance	MySQL Community	us-east-2b	db.t3.micro	-	-

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Type here to search Rain... 04:38 PM 19-09-2023

EC2 | us-east-2 Route tables | VPC Management Databases | RDS | us-east-2 subhampradhan.online

us-east-2.console.aws.amazon.com/ec2/home?region=us-east-2#LaunchInstances:

WhatsApp Instagram facebook YouTube Google T20 World Cup Cric... Dashboard | Hacker...

aws Services rds

EC2 > Instances > Launch an instance

## Launch an instance Info

Amazon EC2 allows you to create virtual machines, or instances, that run on the AWS Cloud. Quickly get started by following the simple steps below.

**Name and tags Info**

Name  Add additional tags

**Application and OS Images (Amazon Machine Image) Info**

An AMI is a template that contains the software configuration (operating system, application server, and applications) required to launch your instance. Search or Browse for AMIs if you don't see what you are looking for below

**Summary**

Number of instances Info

Software Image (AMI)  
OpenVPN Access Server  
ami-0b26ff452fd594f13

Virtual server type (instance type)  
t2.small

Firewall (security group)  
New security group

Storage (volumes)  
1 volume(s) - 8 GiB

**Launch instance**

Cancel Review commands

```
ASUS@LAPTOP-Q9QDRNKO MINGW64 ~/Downloads
$ chmod 400 OHIO.pem
```

```
ASUS@LAPTOP-Q9QDRNKO MINGW64 ~/Downloads
$ ssh -i "OHIO.pem" openvpnas@52.14.142.239
The authenticity of host '52.14.142.239 (52.14.142.239)' can't be established.
ED25519 key fingerprint is SHA256:j7JIc1jJtpSY1uXKcpnEETuOHHDIL6jIss7gJ+06Nls.
This key is not known by any other names.
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
Warning: Permanently added '52.14.142.239' (ED25519) to the list of known hosts.
Welcome to OpenVPN Access Server Appliance 2.11.3
```

System information as of Tue Sep 19 11:18:53 UTC 2023

```
System Load: 0.013671875 Processes: 95
Usage of /: 26.9% of 7.57GB Users logged in: 0
Memory usage: 9% IPv4 address for eth0: 10.0.2.104
Swap usage: 0%
```

0 updates can be applied immediately.

The list of available updates is more than a week old.

To check for new updates run: sudo apt update

To run a command as administrator (user "root"), use "sudo <command>".
See "man sudo\_root" for details.

#### OpenVPN Access Server Initial Configuration Tool

##### OpenVPN Access Server End User License Agreement (OpenVPN-AS EULA)

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a complete copy of this EULA.
3. You agree not to reverse engineer, decompile, disassemble, modify,  
translate, make any attempt to discover the source code of this software,  
or create derivative works from this software.
4. The OpenVPN Access Server is bundled with other open source software  
components, some of which fall under different licenses. By using OpenVPN  
or any of the bundled components, you agree to be bound by the conditions  
of the license for each respective component. For more information, you can



```
openvpnas@ip-10-0-2-104: ~
```

```
> Please specify your Activation key (or leave blank to specify later):
```

```
Initializing OpenVPN...
Removing Cluster Admin user login...
userdel "admin_c"
Writing as configuration file...
Perform sa init...
Wiping any previous userdb...
Creating default profile...
Modifying default profile...
Adding new user to userdb...
Modifying new user as superuser in userdb...
Auto-generated pass = "YnQgM24Su39y". Setting in db...
Getting hostname...
Hostname: 52.14.142.239
Preparing web certificates...
Getting web user account...
Adding web group account...
Adding web group...
Adjusting license directory ownership...
Initializing confdb...
Initial version is not set. Setting it to 2.11.3...
Generating PAM config for openvpnas ...
Enabling service
Created symlink /etc/systemd/system/multi-user.target.wants/openvpnas.service → /lib/systemd/system/openvpnas.service.
Starting openvpnas...
```

```
NOTE: Your system clock must be correct for OpenVPN Access Server
to perform correctly. Please ensure that your time and date
are correct on this system.
```

```
Initial Configuration Complete!
```

```
You can now continue configuring OpenVPN Access Server by
directing your Web browser to this URL:
```

```
https://52.14.142.239:943/admin
```

```
During normal operation, OpenVPN AS can be accessed via these URLs:
```

```
Admin UI: https://52.14.142.239:943/admin
```

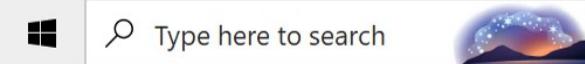
```
Client UI: https://52.14.142.239:943/
```

```
To login please use the "openvpn" account with "YnQgM24Su39y" password.
```

```
See the Release Notes for this release at:
```

```
https://openvpn.net/vpn-server-resources/release-notes/
```

```
openvpnas@ip-10-0-2-104:~$
```



04:51 PM

19-09-2023

**OpenVPN Connect**

## Import Profile

VIA URL      UPLOAD FILE

URL  
https://52.14.142.239:943/admin|

Please note that you can only import profile using URL if it is supported by your VPN provider

**NEXT**

\*Untitled - Notepad

File Edit Format View Help

Admin UI: https://52.14.142.239:943/admin  
Client UI: https://52.14.142.239:943/  
To login please use the "openvpn" account with "YnQgM24Su39y" password.



OpenVPN Connect

## Import Profile

Username  
openvpn

Password  
\*\*\*\*\*

Profile Name  
openvpn@52.14.142.239

Port (optional)  
943

Import autologin profile

Connect after import

**IMPORT**

\*Untitled - Notepad

File Edit Format View Help

```
Admin UI: https://52.14.142.239:943/admin
Client UI: https://52.14.142.239:943/
To login please use the "openvpn" account with "YnQgM24Su39y" password.
```

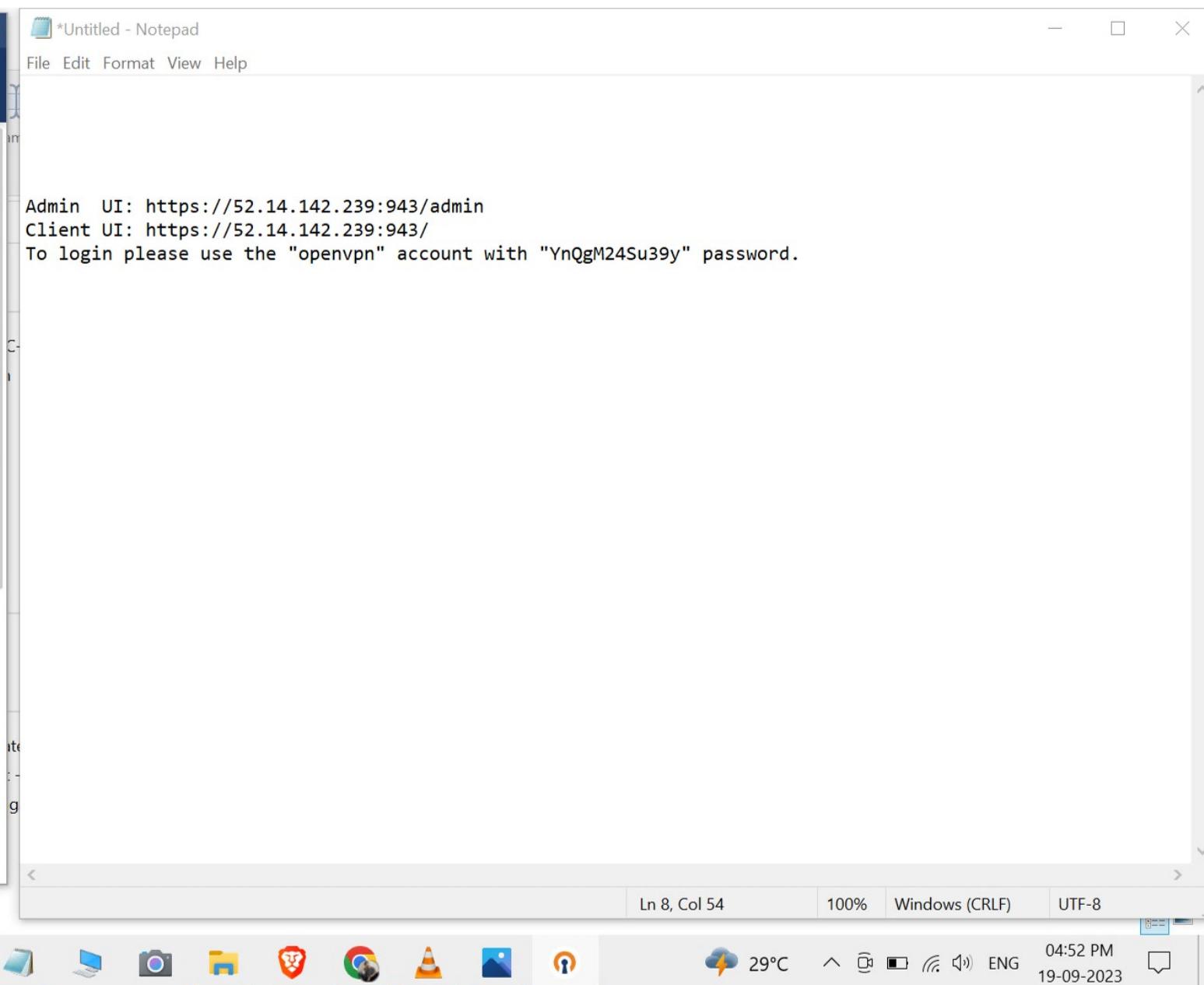
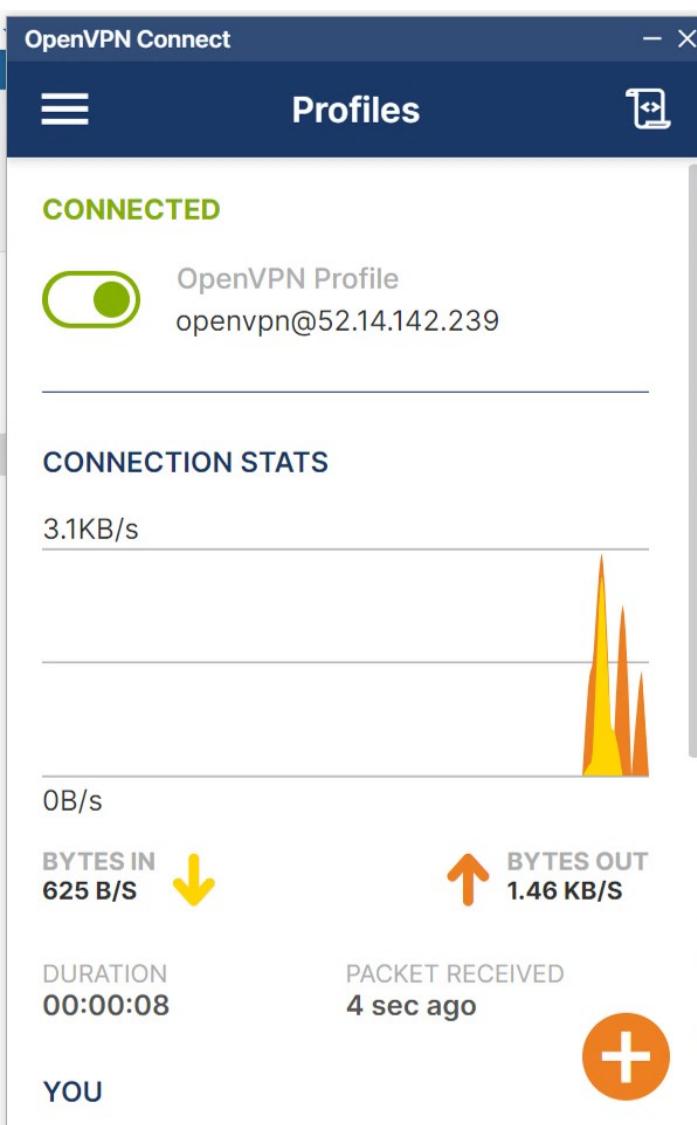
Pictures TEST-USER\_accessKeys

319 items

Type here to search

Ln 8, Col 49 100% Windows (CRLF) UTF-8

29°C 04:52 PM 19-09-2023 ENG



Amazon RDS

## Dashboard

## Databases

## Query Editor

## Performance insights

## Snapshots

## Exports in Amazon S3

## Automated backups

## Reserved instances

## Proxies

## Subnet groups

## Parameter groups

## Connectivity & security

Endpoint & port	Networking	Security
Endpoint  database- 1.cgdwqpvgl0ud.us- east- 2.rds.amazonaws.com	Availability Zone  us-east-2b  VPC  My-vpc-1 (vpc- 007115c226b0767a3)	VPC security groups  launch-wizard-1 (sg- 0a4a7d90607784362)  Active
Port  3306	Subnet group  rds-ec2-db-subnet- group-1	default (sg- 05c73c56402c5e9c1)  Active
		rds-ec2-1 (sg- 042dce8bb02f54f86)  Active
		Publicly accessible

Connect to instance | EC2 | us-east-2 | Route tables | VPC Management | RDS | us-east-2 | subhampradhan.online

us-east-2.console.aws.amazon.com/rds/home?region=us-east-2#database:id=database-1;is-cluster=false

WhatsApp Instagram Facebook YouTube Google T20 World Cup Cric... Dashboard | Hacker...

aws MySQL Workbench

File Edit View Database Tools Scripting Help

Amazon Databases

Dashboard Databases Query Editor Performance Snapshots Exports in Automated Reserved Instances Proxies Subnet groups Parameters CloudShell

MySQL Connect Local instance MySQL root localhost:3306

OK Cancel

Stored Connection: Select from saved connection settings

Connection Method: Standard (TCP/IP) Method to use to connect to the RDBMS

Parameters SSL Advanced

Hostname: us-east-2.rds.amazonaws.com Port: 3306 Name or IP address of the server host - and TCP/IP port.

Username: admin123 Name of the user to connect with.

Password: Store in Vault ... Clear The user's password. Will be requested later if it's not set.

Default Schema: The schema to use as default schema. Leave blank to select it later.

Filter connections

Type here to search 05:18 PM 19-09-2023

Connect to instance | EC2 | us-east-2 | Route tables | VPC Management | RDS | us-east-2 | subhampradhan.online

us-east-2.console.aws.amazon.com/rds/home?region=us-east-2#database:id=database-1;is-cluster=false

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aws MySQL Workbench

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# Welcome to MySQL Workbench

MySQL Connections

Local instance MySQL80

root localhost:3306

Connect to Database

Stored Connection: Select from saved connection settings

Connection Method: Standard (TCP/IP) Method to use to connect to the RDBMS

Parameters SSL Advanced

Hostname: us-east-2.rds.amazonaws.com Port: 3306 Name or IP address of the server host - and TCP/IP port.

Username: admin123 Name of the user to connect with.

Password: Store in Vault ... Clear The user's password. Will be requested later if it's not set.

Default Schema: The schema to use as default schema. Leave blank to select it later.

Filter connections

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Connect to instance | EC2 | us-east-2 | Route tables | VPC Management | RDS | us-east-2 | subhampradhan.online

us-east-2.console.aws.amazon.com/rds/home?region=us-east-2#database:id=database-1;is-cluster=false

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Dashboard Databases Query Editor Performance Snapshots Exports in Automated Reserved Proxies Subnet groups Parameter CloudShell

# Welcome to MySQL Workbench

MySQL Workbench is the official graphical user interface (GUI) tool for MySQL. It allows you to design, create and browse your database schemas, work with database objects and insert data as well as design and run SQL queries to work with stored data. You can also migrate schemas and data from other database vendors to your MySQL database.

Opening SQL Editor

An SQL editor instance for " is opening and should be available in a moment.

Browse Documentation Read the Blog > Discuss on the Forums >

Please stand by...

MySQL Connections +

Local instance MySQL80

root localhost:3306

Cancel

Type here to search

Windows Taskbar icons: File Explorer, Camera, File Manager, Edge, VLC, Photos, Lock Screen, Task View, Cloud Shell, Search, Weather (28°C), Battery, Volume, Network, Language (ENG), Date (19-09-2023)

The screenshot shows a desktop interface with several windows open:

- OpenVPN Connect**: A window titled "Profiles" showing a "CONNECTED" status for an "OpenVPN Profile" at "openvpn@52.14.142.239". It includes a "BYTE IN" section (39 B/S) and a "BYTE OUT" section (76 B/S), both with yellow arrows pointing down. It also shows a "DURATION" of "00:26:41" and a "PACKET RECEIVED" time of "5 sec ago".
- MySQL Workbench**: A window titled "Welcome to MySQL Workbench". The text describes MySQL Workbench as the official GUI tool for MySQL, allowing users to design, create, and browse database schemas, work with objects, and insert data. It also mentions the ability to sign and run SQL queries, migrate schemas, and work with data from other database vendors. A callout box highlights the "Opening SQL Editor" feature.
- CloudShell**: A terminal window titled "localhost:3306" showing a command-line interface.
- Browser Window**: A window titled "subhampradhan.online" displaying a search result for "aws rds mysql". The results include links for "T20 World Cup Cric..." and "Dashboard | Hacker...".

At the bottom of the screen is a taskbar with various icons, including a search bar, file explorer, camera, folder, browser, and system status indicators.

AWS | sul | Us | Da | Ins | Cre | AW | Tar | Cre | Cre | Ro | Su | VP | VP | S3 | (1) | AW | AV | DM | + | - | X

us-east-2.console.aws.amazon.com/vpc/home?region=us-east-2#vpcs:

aws Services Search [Alt+S] Actions Create VPC

VPC dashboard EC2 Global View New Filter by VPC: Select a VPC Virtual private cloud Your VPCs New Subnets Route tables Internet gateways Egress-only internet gateways DHCP option sets Elastic IPs Managed prefix lists Endpoints Endpoint services NAT gateways

Your VPCs (1/2) Info Find resources by attribute or tag Actions Create VPC

Name	VPC ID	State	IPv4 CIDR	IPv6 CIDR
-	vpc-0e3423adc91b55790	Available	172.31.0.0/16	-
Myvpc-1	vpc-02238dd1f83ebb8e2	Available	10.0.0.0/16	-

vpc-02238dd1f83ebb8e2 / Myvpc-1

Details Resource map New CIDRs Flow logs Tags

Details

VPC ID vpc-02238dd1f83ebb8e2	State Available	DNS hostnames Disabled	DNS resolution Enabled
Tenancy Default	DHCP option set dopt-00fae7379d0a06208	Main route table rtb-07047d6cf85a3aa72	Main network ACL acl-089b9a8fe2ecda351

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Type here to search

33°C Smoke 12:58 PM 05-09-2023

AWS Services Search [Alt+S] Subnets (1/2) Actions Create subnet

Find resources by attribute or tag

vpc-02238dd1f83ebb8e2 Clear filters

Name	Subnet ID	State	VPC
Private-subnet	subnet-05165b28f9829cd56	Available	vpc-02238dd1f83ebb8e2   My...
Public-subnet	subnet-00357a916e39fb2d5	Available	vpc-02238dd1f83ebb8e2   My...

subnet-00357a916e39fb2d5 / Public-subnet

Details Flow logs Route table Network ACL CIDR reservations Sharing Tags

### Details

Subnet ID subnet-00357a916e39fb2d5	Subnet ARN arn:aws:ec2:us-east-2:841429465794:subnet/subnet-00357a916e39fb2d5	State Available	IPv4 CIDR 10.0.1.0/24
		Availability Zone	Availability Zone ID

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AWS | sul | Us | Da | Ins | Cre | AW | Tar | Cre | Cr | Yo | Ro | Su | VP | S3 | (1) | AW | AV | H | DM | + | - | X

us-east-2.console.aws.amazon.com/vpc/home?region=us-east-2#igws:

aws Services Search [Alt+S] | Subham Pradhan | Ohio | VPN

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 | DHCP option sets | Elastic IPs | Managed prefix lists | Endpoints | Endpoint services | NAT gateways

## Internet gateways (1/2) Info

Filter internet gateways

Name	Internet gateway ID	State	VPC ID
-	igw-073100be305f52fb5	Attached	vpc-0e3423adc91b55790
<input checked="" type="checkbox"/> IGW-Public-subnet	igw-0cd22c95accd06aae	Attached	vpc-02238dd1f83ebb8e2   Myvpc-1

igw-0cd22c95accd06aae / IGW-Public-subnet

Details Tags

Internet gateway ID	State	VPC ID	Owner
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