

# WEB DEPLOYMENT PROJECT

## CREATING VPC

The image displays two screenshots from the AWS Management Console, illustrating the process of creating a VPC for a web deployment project.

**Top Screenshot: Create VPC Wizard**

The "Create VPC" wizard is shown in the "VPC settings" step. The "VPC and more" option is selected under "Resources to create". The "Name tag auto-generation" section has "Auto-generate" checked, with the name "web\_deployment" entered. The "IPv4 CIDR block" is set to "10.0.0.0/16". The "IPv6 CIDR block" is set to "No IPv6 CIDR block". The "Tenancy" is set to "Default".

The "Preview" section shows the following resources to be created:

- VPC (1):** web\_deployment-vpc
- Subnets (4):**
  - ap-south-1a: web\_deployment-subnet-public1, web\_deployment-subnet-private1
  - ap-south-1b: web\_deployment-subnet-public2, web\_deployment-subnet-private2
- Route tables (3):** web\_deployment-rtb-public, web\_deployment-rtb-private1-a, web\_deployment-rtb-private2-a

**Bottom Screenshot: Create VPC workflow**

The "Create VPC workflow" screen shows the successful completion of the VPC creation process. The "Details" section lists the following steps:

- ✓ Create VPC: vpc-07ddf4e1a905c4f76
- ✓ Enable DNS hostnames
- ✓ Enable DNS resolution
- ✓ Verifying VPC creation: vpc-07ddf4e1a905c4f76
- ✓ Create S3 endpoint: vpce-04efe45c306dcfb98
- ✓ Create subnet: subnet-05609c691a93a1e41
- ✓ Create subnet: subnet-09206258f5566dd7
- ✓ Create subnet: subnet-0c2d6b743d776ddc
- ✓ Create subnet: subnet-0x940c9bd7be258d1
- ✓ Create internet gateway: igw-00ea59f05b19d09a3
- ✓ Attach internet gateway to the VPC
- ✓ Create route table: rtb-0d706323e8f0b5a77
- ✓ Create route
- ✓ Associate route table
- ✓ Associate route table
- ✓ Create route table: rtb-0282dbec16e4eb22c
- ✓ Associate route table
- ✓ Create route table: rtb-08a5c8476d7fb1035
- ✓ Associate route table
- ✓ Verifying route table creation
- ✓ Associate S3 endpoint with private subnet route tables: vpce-04efe45c306dcfb98

## CREATING EC2

Launch an instance | EC2 | ap-south-1

s3-web-host-1.s3.ap-south-1.amazonaws.com

ap-south-1.console.aws.amazon.com/ec2/home?region=ap-south-1:LaunchInstances

Search

[Alt+S]

Asia Pacific (Mumbai)

Account ID: 1223-8553-3960

varshini.saravanan

EC2 > Instances > Launch an instance

t3.micro  
Family: t3, 2 vCPU, 1 GiB Memory, Current generation: true, On-Demand Linux base pricing: 0.0112 USD per Hour, On-Demand SUSE base pricing: 0.0112 USD per Hour, On-Demand Windows base pricing: 0.0204 USD per Hour, On-Demand Ubuntu Pro base pricing: 0.0147 USD per Hour, On-Demand RHEL base pricing: 0.04 USD per Hour  
Additional costs apply for AMIs with pre-installed software

Free tier eligible

All generations

Compare instance types

▼ Key pair (login) info

You can use a key pair to securely connect to your instance. Ensure that you have access to the selected key pair before you launch the instance.

Key pair name - required

web\_deployment\_key

Create new key pair

▼ Network settings info

VPC - required info

vpc-07d6f4e1a905c4f76 (web\_deployment-vpc)

Subnet info

subnet-05609c691a95a1e41 web\_deployment-subnet-public1-ap-south-1a

VPC: vpc-07d6f4e1a905c4f76 Owner: 122385533960 Availability Zone: ap-south-1a (ap1-as1) Zone type: Availability Zone IP addresses available: 4091 CIDR: 10.0.0.0/20

Create new subnet

Auto-assign public IP info

Enable

▼ Summary

Number of instances info

1

Software Image (AMI)

Canonical, Ubuntu, 24.04, amd64...read more  
ami-02b8269d5e85954ef

Virtual server type (instance type)

t3.micro

Firewall (security group)

New security group

Storage (volumes)

1 volume(s) - 8 GiB

Cancel

Launch instance

Preview code

Launch an instance | EC2 | ap-south-1

s3-web-host-1.s3.ap-south-1.amazonaws.com

ap-south-1.console.aws.amazon.com/ec2/home?region=ap-south-1:LaunchInstances

Search

[Alt+S]

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varshini.saravanan

EC2 > Instances > Launch an instance

web-deployment

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 \_ (underscore) or !@#\$%^&\*()~`|}{[]<>=+,-./:;'"<br>web-deployment created 2025-12-24T09:56:59.832Z

Inbound Security Group Rules

▼ Security group rule 1 (TCP, 22, 0.0.0.0/0)

Type info

ssh

Protocol info

TCP

Port range info

22

Source type info

Anywhere

Source info

0.0.0.0/0

Description - optional info

e.g. SSH for admin desktop

Remove

▼ Security group rule 2 (TCP, 443, 0.0.0.0/0)

Type info

HTTPS

Protocol info

TCP

Port range info

443

Source type info

Anywhere

Source info

0.0.0.0/0

Description - optional info

e.g. SSH for admin desktop

Remove

▼ Summary

Number of instances info

1

Software Image (AMI)

Canonical, Ubuntu, 24.04, amd64...read more  
ami-02b8269d5e85954ef

Virtual server type (instance type)

t3.micro

Firewall (security group)

New security group

Storage (volumes)

1 volume(s) - 8 GiB

Cancel

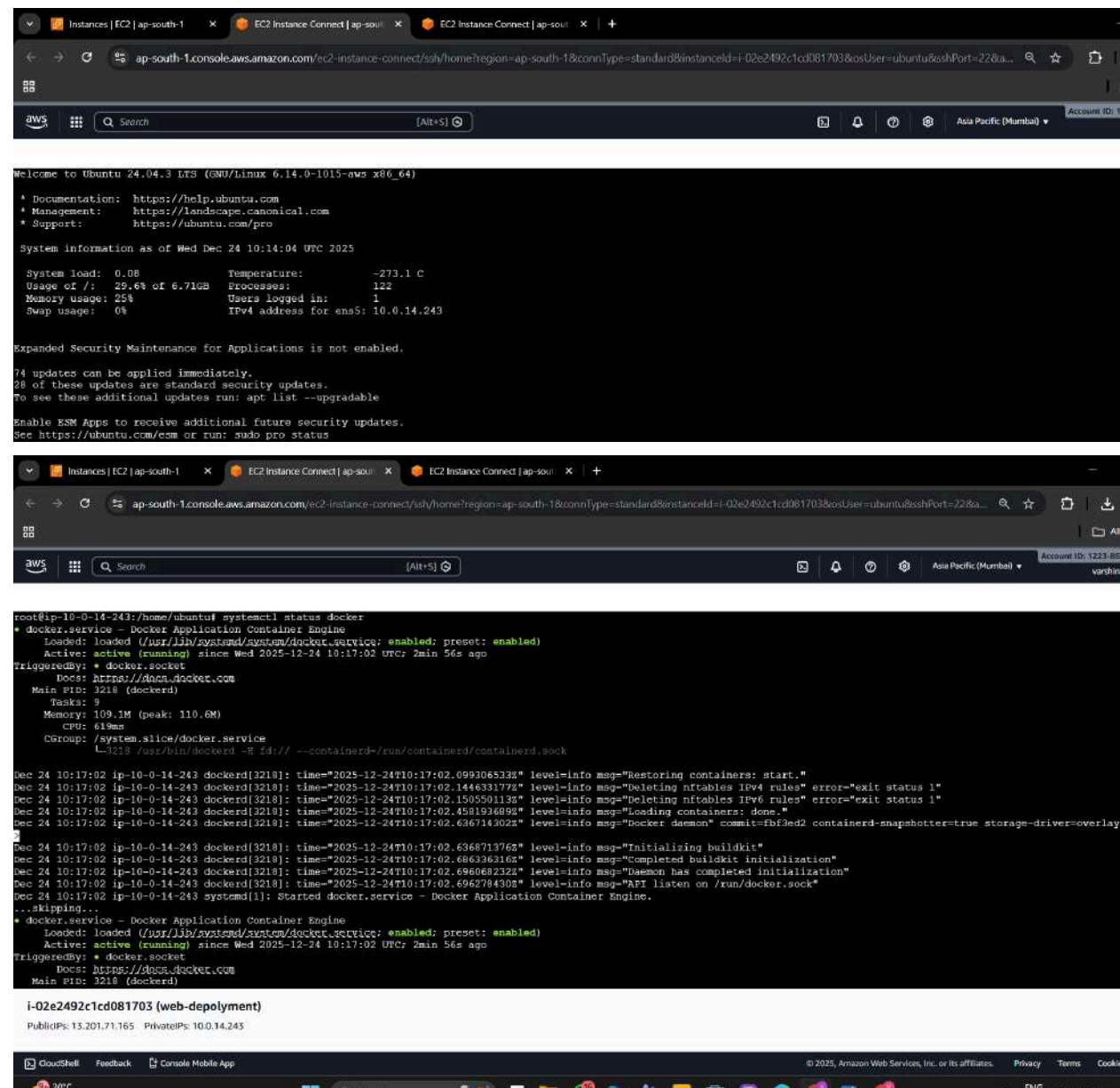
Launch instance

Preview code

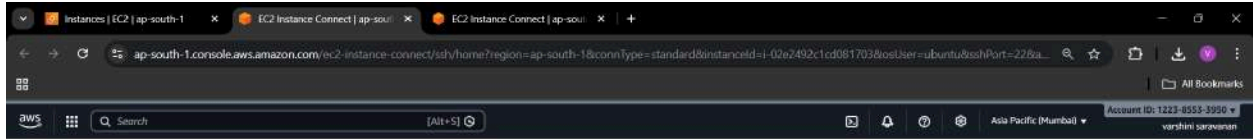
CloudShell Feedback Console Mobile App

© 2025, Amazon Web Services, Inc. or its affiliates. Privacy Terms Cookie preferences

## Connect to EC2=



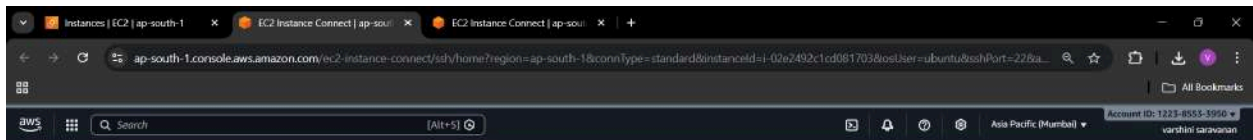
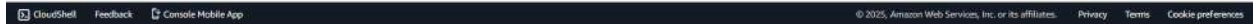
## CREATING EC2



```
Suggested packages:
  cgroupfs-mount | cgroup-lite docker-model-plugin
The following NEW packages will be installed:
  containerd.io docker-buildx-plugin docker-ce docker-ce-cli docker-ce-rootless-extras docker-compose-plugin libslirp0 pigz slirp4netns
0 upgraded, 9 newly installed, 0 to remove and 68 not upgraded.
Need to get 91.3 MB of archives.
After this operation, 364 MB of additional disk space will be used.
Get:1 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble/universe amd64 pigz amd64 2.8-1 [65.6 kB]
Get:2 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble/main amd64 libslirp0 amd64 4.7.0-1ubuntu3 [63.8 kB]
Get:3 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble/universe amd64 slirp4netns amd64 1.2.1-1build2 [34.9 kB]
Get:4 https://download.docker.com/linux/ubuntu noble/stable amd64 containerd.io amd64 2.2.1-1-ubuntu.24.04-noble [23.4 MB]
Get:5 https://download.docker.com/linux/ubuntu noble/stable amd64 docker-ce-cli amd64 5:29.1.3-1-ubuntu.24.04-noble [16.3 MB]
Get:6 https://download.docker.com/linux/ubuntu noble/stable amd64 docker-ce amd64 5:29.1.3-1-ubuntu.24.04-noble [21.0 MB]
Get:7 https://download.docker.com/linux/ubuntu noble/stable amd64 docker-buildx-plugin amd64 0.30.1-1-ubuntu.24.04-noble [16.4 MB]
Get:8 https://download.docker.com/linux/ubuntu noble/stable amd64 docker-ce-rootless-extras amd64 5:29.1.3-1-ubuntu.24.04-noble [6383 kB]
Get:9 https://download.docker.com/linux/ubuntu noble/stable amd64 docker-compose-plugin amd64 5.0.0-1-ubuntu.24.04-noble [7709 kB]
Fetched 91.3 MB in 1s (84.8 MB/s)
Selecting previously unselected package containerd.io.
(Reading database ... 71735 files and directories currently installed.)
Preparing to unpack .../0-containerd.io_2.2.1-1-ubuntu.24.04-noble_amd64.deb ...
Unpacking containerd.io (2.2.1-1-ubuntu.24.04-noble) ...
Selecting previously unselected package docker-ce-cli.
Preparing to unpack .../1-docker-ce-cli_5:29.1.3-1-ubuntu.24.04-noble_amd64.deb ...
Unpacking docker-ce-cli (5:29.1.3-1-ubuntu.24.04-noble) ...
Selecting previously unselected package docker-ce.
Preparing to unpack .../2-docker-ce_5:29.1.3-1-ubuntu.24.04-noble_amd64.deb ...
Unpacking docker-ce (5:29.1.3-1-ubuntu.24.04-noble) ...
Selecting previously unselected package pigz.
Preparing to unpack .../3-pigz_2.8-1_amd64.deb ...
Unpacking pigz (2.8-1) ...
```

i-02e2492c1cd081703 (web-deployment)

PublicIPs: 13.201.71.165 PrivateIPs: 10.0.14.243



```
Setting up docker-compose-plugin (5.0.0-1-ubuntu.24.04-noble) ...
Setting up docker-ce-cli (5:29.1.3-1-ubuntu.24.04-noble) ...
Setting up libslirp0:amd64 (4.7.0-1ubuntu3) ...
Setting up pigz (2.8-1) ...
Setting up docker-ce-rootless-extras (5:29.1.3-1-ubuntu.24.04-noble) ...
Setting up slirp4netns (1.2.1-1build2) ...
Setting up docker-ce (5:29.1.3-1-ubuntu.24.04-noble) ...
Created symlink /etc/systemd/system/multi-user.target.wants/docker.service → /usr/lib/systemd/system/docker.service.
Created symlink /etc/systemd/system/sockets.target.wants/docker.socket → /usr/lib/systemd/system/docker.socket.
Processing triggers for man-db (2.12.0-4build2) ...
Processing triggers for libc-bin (2.39-0ubuntu8.6) ...
Scanning processes...
Scanning linux images...

Running kernel seems to be up-to-date.

No services need to be restarted.

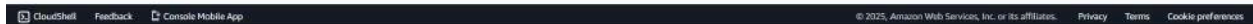
No containers need to be restarted.

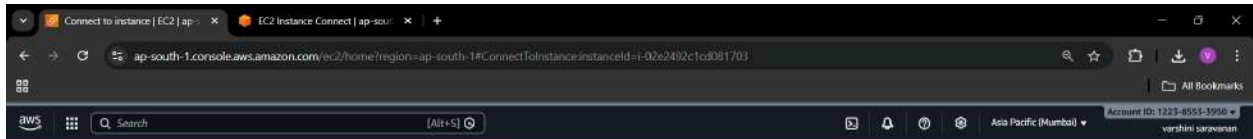
No user sessions are running outdated binaries.

No VM guests are running outdated hypervisor (qemu) binaries on this host.
root@ip-10-0-14-243:/home/ubuntu# systemctl start docker
root@ip-10-0-14-243:/home/ubuntu# systemctl enable docker
Synchronizing state of docker.service with SysV service script with /usr/lib/systemd/systemd-sysv-install.
Executing: /usr/lib/systemd/systemd-sysv-install enable docker
root@ip-10-0-14-243:/home/ubuntu# systemctl status docker
* docker.service - Docker Application Container Engine
```

i-02e2492c1cd081703 (web-deployment)

PublicIPs: 13.201.71.165 PrivateIPs: 10.0.14.243





**Connect** info

Connect to an instance using the browser-based client.

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

Instance ID  
i-02e2492c1cd081703 (web-deployment)

Connection type

☒ Connect using a Public IP  
Connect using a public IPv4 or IPv6 address.

☐ Connect using a Private IP  
Connect using a private IP address and a VPC endpoint.

Public IPv4 address  
13.201.71.165

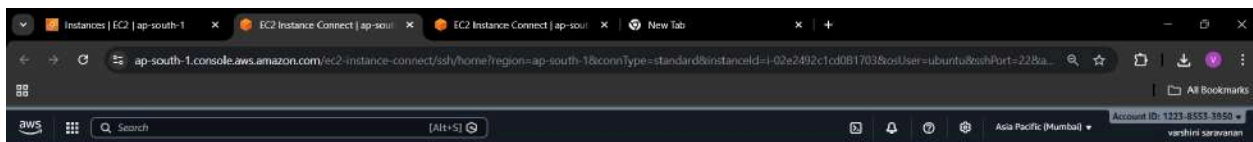
IPv6 address  
-

Username  
Enter the username defined in the AMI used to launch the instance. If you didn't define a custom username, use the default username, ubuntu.

ubuntu

Note: In most cases, the default username, ubuntu, is correct. However, read your AMI usage instructions to check if the AMI owner has changed the default AMI username.

Cancel Connect



```
Last login: Wed Dec 24 10:14:05 2025 from 13.233.177.5
ubuntu@ip-10-0-14-243:~$ docker --version

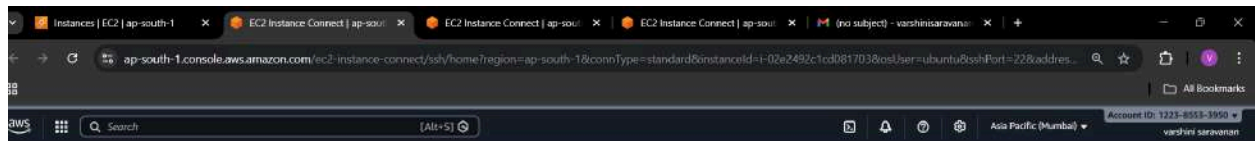
Docker version 29.1.3, build f52814d
ubuntu@ip-10-0-14-243:~$ mkdir my-website
ubuntu@ip-10-0-14-243:~$ cd my-website
ubuntu@ip-10-0-14-243:~/my-website$ pwd
/home/ubuntu/my-website
ubuntu@ip-10-0-14-243:~/my-website$ sudo apt install git -y

Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
git is already the newest version (1:2.43.0-1ubuntu7.3).
git set to manually installed.
0 upgraded, 0 newly installed, 0 to remove and 68 not upgraded.
ubuntu@ip-10-0-14-243:~/my-website$ git --version
git version 2.43.0
ubuntu@ip-10-0-14-243:~/my-website$ git clone https://github.com/kayal-del/frontend-aitech.git
Cloning into 'frontend-aitech'...
remote: Enumerating objects: 66, done.
remote: Counting objects: 100% (66/66), done.
remote: Compressing objects: 100% (66/66), done.
remote: Total 66 (delta 17), reused 0 (delta 0), pack-reused 0 (from 0)
Receiving objects: 100% (66/66), 11.63 MiB | 7.96 MiB/s, done.
Resolving deltas: 100% (17/17), done.
ubuntu@ip-10-0-14-243:~/my-website$ ls
'Cheese Nachos.html'  'Grilled Paneer.jpg'  appetone.png.jpeg  contact.html  heart.jpg  'palaya sooru.html'  'salty food2.jpg'
'cheese nachos.jpg'  'Ice Cream Sundae.jpg'  background1.jpg  dish1.jpg  hotel.jpg  panipuri.html  signup.html
'chicken Swarna.html'  'Mini Burgers.html'  background2.jpg  dish2.jpg  ice.html  payment.html  style.css

i-02e2492c1cd081703 (web-deployment)
PublicIPs: 13.201.71.165 PrivateIPs: 10.0.14.243
```







```
lcome to Ubuntu 24.04.3 LTS (GNU/Linux 6.14.0-1015-aws x86_64)

Documentation:  https://help.ubuntu.com
Management:    https://landscape.canonical.com
Support:        https://ubuntu.com/pro

systemd information as of Wed Dec 24 10:51:09 UTC 2025

System load:  0.0          Temperature:   -273.1 C
Usage of /:    37.6% of 6.7GiB    Processes:    119
Memory usage: 31%          Users logged in: 0
Swap usage:   0%             IPv4 address for ens5: 10.0.14.243

Expanded Security Maintenance for Applications is not enabled.

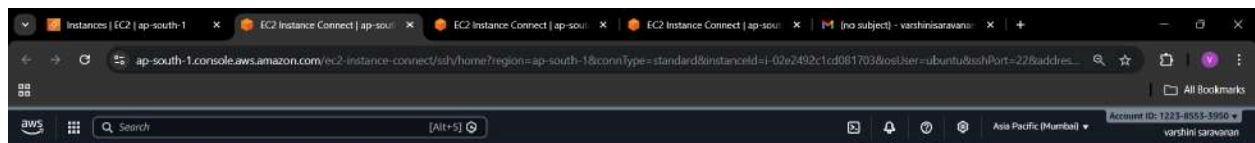
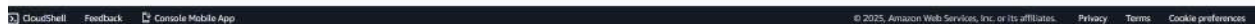
Updates can be applied immediately.
Of these updates are standard security updates.
See these additional updates run: apt list --upgradable

Enable ESM Apps to receive additional future security updates.
See https://ubuntu.com/esm or run: sudo pro status

Last login: Wed Dec 24 10:24:37 2025 from 13.233.177.4
ubuntu@ip-10-0-14-243:~$ sudo su
root@ip-10-0-14-243:/home/ubuntu# ls
'$'004'  my-website
root@ip-10-0-14-243:/home/ubuntu# cd my-website/
root@ip-10-0-14-243:/home/ubuntu/my-website# ls
'cheese Nachos.html'  'Grilled Paneer.html'  account.html  cheese.mp4  'fruit salad.html'  ordernow1.html  'salty food1.jpg'
```

#### i-02e2492c1cd081703 (web-deployment)

PublicIPs: 13.201.71.165 PrivateIPs: 10.0.14.243



```
'cheese Nachos.jpg'  'Grilled Paneer.jpg'  appstore.png.jpeg  contact.html  heart.jpg  'palaya rooru.html'  'salty food2.jpg'
'chicken Swarma.html'  'Ice Cream Sundae.jpg'  background1.jpg  dish1.jpg  hotel.jpg  panipuri.html  signup.html
'Chocolate Muffin.jpg'  'Mini Burgers.html'  background2.jpg  dish2.jpg  ice.html  payment.html  style.css
'Cold Coffee.jpg'  'Mini Burgers.jpg'  cart.html  dish3.html  index.html  pickle.html  style1.css
'Cookiefile'  'Strawberry Rulfi.html'  cart.png  dish4.jpg  kulf1.jpg  pickle.jpg  tan.mp4
'Falafel Wrap.html'  'Veggie Sandwich.jpg'  'cheese pizza.html'  dish4.html  lastpg.html  playstore.png.jpeg  tangy.jpg
'falafel Wrap.jpg.jpeg'  'Vintage airmail envelope with stamps.png'  'cheesy.mp4'  dish4.jpg  logo.png  popcorn.html  videoplayback.mp4
'fruit salad.jpg'  about.html  'chicken swarma.jpg'  frenchfries.html  muru.html  sallil1.mp4  wood.jpg
root@ip-10-0-14-243:/home/ubuntu/my-website# vim about.html

/bin/bash: line 1: d: command not found

shell returned 127

Press ENTER or type command to continue
root@ip-10-0-14-243:/home/ubuntu/my-website# vim account.html
root@ip-10-0-14-243:/home/ubuntu/my-website# vim cart.html
root@ip-10-0-14-243:/home/ubuntu/my-website# vim cheese Nachos.html
2 files to edit
root@ip-10-0-14-243:/home/ubuntu/my-website# vim cheese Nachos.html
2 files to edit

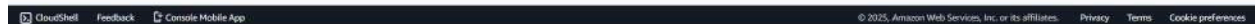
/bin/bash: line 1: q: command not found

shell returned 127

Press ENTER or type command to continue
root@ip-10-0-14-243:/home/ubuntu/my-website# vim Cheese\ Nachos.
Cheese Nachos.html  Cheese Nachos.jpg
root@ip-10-0-14-243:/home/ubuntu/my-website# vim Cheese\ Nachos.html
root@ip-10-0-14-243:/home/ubuntu/my-website# vim Cheese\ pizza.html
```

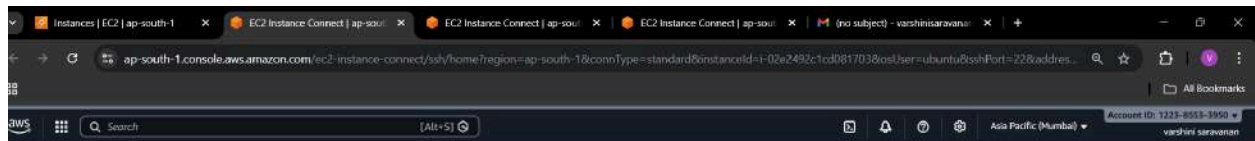
#### i-02e2492c1cd081703 (web-deployment)

PublicIPs: 13.201.71.165 PrivateIPs: 10.0.14.243









```
lcome to Ubuntu 24.04.3 LTS (GNU/Linux 6.14.0-1015-aws x86_64)

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Memory usage:  31%          Users logged in: 0
Swap usage:    0%            IPv4 address for ens5: 10.0.14.243

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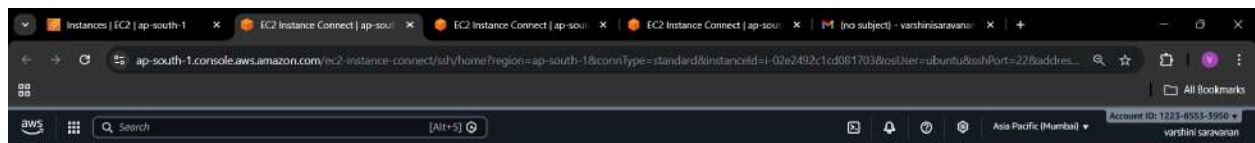
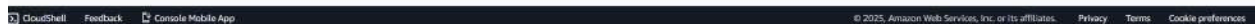
Updates can be applied immediately.
Of these updates are standard security updates.
See these additional updates run: apt list --upgradable

Enable ESM Apps to receive additional future security updates.
See https://ubuntu.com/esm or run: sudo pro status

Last login: Wed Dec 24 10:24:37 2025 from 13.233.177.4
ubuntu@ip-10-0-14-243:~$ sudo su
root@ip-10-0-14-243:/home/ubuntu# ls
'$'004'  my-website
root@ip-10-0-14-243:/home/ubuntu# cd my-website/
root@ip-10-0-14-243:/home/ubuntu/my-website# ls
'cheese Nachos.html'  'Grilled Paneer.html'  account.html  cheese.mp4  'fruit salad.html'  ordernow1.html  'salty food1.jpg'
```

#### i-02e2492c1cd081703 (web-deployment)

PublicIPs: 13.201.71.165 PrivateIPs: 10.0.14.243



```
'cheese Nachos.jpg'  'Grilled Paneer.jpg'  appstore.png.jpeg  contact.html  heart.jpg  'palaya rooru.html'  'salty food2.jpg'
'Chicken Swarma.html'  'Ice Cream Sundae.jpg'  background1.jpg  dish1.jpg  hotel.jpg  panipuri.html  signup.html
'Chocolate Muffin.jpg'  'Mini Burgers.html'  background2.jpg  dish2.jpg  ice.html  payment.html  style.css
'Cold Coffee.jpg'  'Mini Burgers.jpg'  cart.html  dish3.html  index.html  pickle.html  style1.css
'Chickenfile'  'Strawberry Rulfi.html'  cart.png  dish4.jpg  kulfii.jpg  pickle.jpg  tan.mp4
'Palafel Wrap.html'  'Veggie Sandwich.jpg'  'cheese pizza.html'  dish4.html  lastpg.html  playstore.png.jpeg  tangy.jpg
'Palafel Wrap.jpg.jpeg'  'Vintage airmail envelope with stamps.png'  'cheesy.mp4'  dish4.jpg  logo.png  popcorn.html  videoplayback.mp4
'Fruit salad.jpg'  about.html  'chicken swarma.jpg'  frenchfries.html  muru.html  sallil.mp4  wood.jpg
root@ip-10-0-14-243:/home/ubuntu/my-website# vim about.html

/bin/bash: line 1: d: command not found

shell returned 127

Press ENTER or type command to continue
root@ip-10-0-14-243:/home/ubuntu/my-website# vim account.html
root@ip-10-0-14-243:/home/ubuntu/my-website# vim cart.html
root@ip-10-0-14-243:/home/ubuntu/my-website# vim cheese Nachos.html
2 files to edit
root@ip-10-0-14-243:/home/ubuntu/my-website# vim cheese Nachos.html
2 files to edit

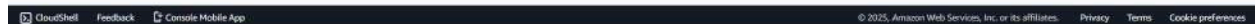
/bin/bash: line 1: q: command not found

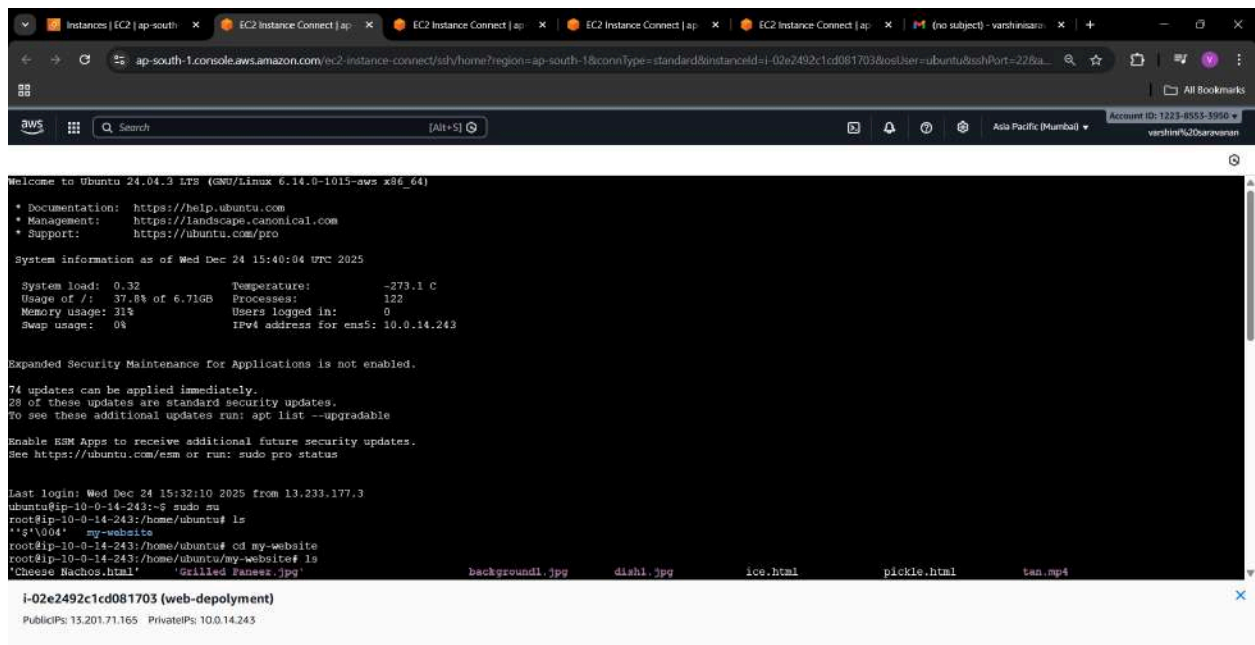
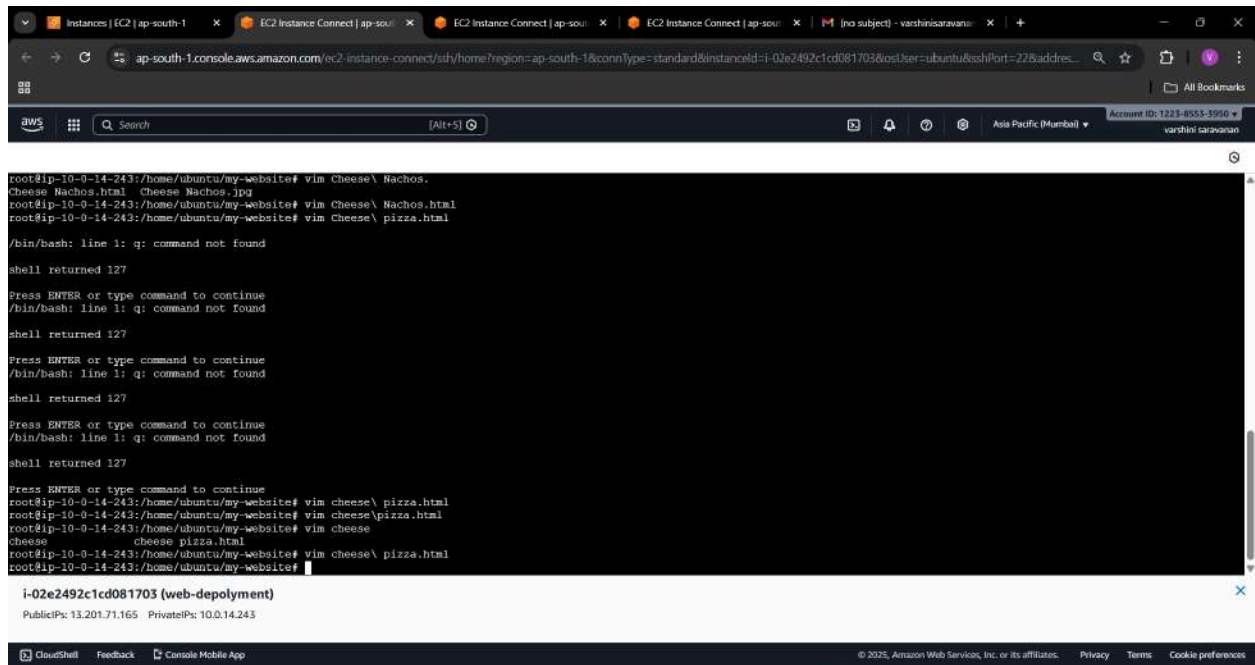
shell returned 127

Press ENTER or type command to continue
root@ip-10-0-14-243:/home/ubuntu/my-website# vim Cheese\ Nachos.
Cheese Nachos.html  Cheese Nachos.jpg
root@ip-10-0-14-243:/home/ubuntu/my-website# vim Cheese\ Nachos.html
root@ip-10-0-14-243:/home/ubuntu/my-website# vim Cheese\ pizza.html
```

#### i-02e2492c1cd081703 (web-deployment)

PublicIPs: 13.201.71.165 PrivateIPs: 10.0.14.243





Instances | EC2 | ap-south | EC2 Instance Connect | ap-south | EC2 Instance Connect | ap-south | EC2 Instance Connect | ap-south | EC2 Instance Connect | ap-south | (no subject) - varshinisara | +

ap-south-1.console.aws.amazon.com/ec2-instance-connect/ssh/home?region=ap-south-1&connType=standard&instanceId=i-02e2492c1cd081703&osUser=ubuntu&sshPort=22&a...

Search [Alt+S]

Account ID: 1223-4553-3950 Asia Pacific (Mumbai) verishn@20aravanan

```
root@ip-10-0-14-243:/home/ubuntu# cd my-website
root@ip-10-0-14-243:/home/ubuntu/my-website# ls
'Cheese Nachos.html'  'Grilled Paneer.jpg'  background1.jpg  dish1.jpg  ice.html  pickle.html  tan.mp4
'Chicken Swarma.html'  'Ice Cream Sundae.jpg'  background2.jpg  dish2.jpg  index.html  pickle.jpg  tangy.jpg
'Chocolate Muffin.jpg'  'Mini Burgers.html'  cart.html  dish3.html  kulfi.jpg  playstore.png  videoplayback.mp4
'Cold Coffee.jpg'  'Mini Burgers.jpg'  cart.png  dish3.jpg  lastpg.html  popcorn.html  wood.jpg
'Dockerfile'  'Strawberry Kulfi.html'  cheese  dish4.html  logo.png  'sallii.mp4'
'Falafel wrap.html'  'Veggie Sandwich.jpg'  'cheese pizza.html'  dish4.jpg  muru.html  'salty food1.jpg'
'Falafel Wrap.jpg.jpg'  about.html  'chicken swarma.jpg'  frenchfries.html  ordernow.html  'salty food2.jpg'
'Fruit Salad.jpg'  account.html  choco.mp4  'fruit salad.html'  'palaya soori.html'  signop.html
'Grilled Paneer.html'  appstore.png.jpeg  contact.html  heart.jpg  panipuri.html  style.css
'Vegetable Sandwich.jpg'  appstore.png.jpeg  contact.html  hotel.jpg  payment.html  style1.css

root@ip-10-0-14-243:/home/ubuntu/my-website# vim style.css
root@ip-10-0-14-243:/home/ubuntu/my-website# vim style1.css
root@ip-10-0-14-243:/home/ubuntu/my-website# vim Dockerfile
root@ip-10-0-14-243:/home/ubuntu/my-website# docker build -t frontend-aitech .
(4) Building [3.8s 0/77] FINISHED
-> [internal] load build definition from Dockerfile
-> => transferring Dockerfile: 97B
-> [internal] load metadata for docker.io/library/nginx:alpine
-> [internal] load .dockerignore
-> => transferring context: 2B
-> [internal] load build context
-> => transferring context: 25.0MB
-> CACHED [1/2] FROM docker.io/library/nginx:alpine#sha256:164517952990e7739b7fcc4285d931d39122e2666e07bd3d3db00026d132295
-> => resolve docker.io/library/nginx:alpine#sha256:164517952990e7739b7fcc4285d931d39122e2666e07bd3d3db00026d132295
-> [2/2] COPY ./usr/share/nginx/html
-> exporting to image
-> => exporting layers
-> => exporting manifest sha256:6d1358914a5c64299b8e7f66a8d0f029c3e2921355ee42255a94dd7c31cde343d1
-> => exporting layers
-> => exporting manifest sha256:6d1358914a5c64299b8e7f66a8d0f029c3e2921355ee42255a94dd7c31cde343d1
-> => exporting layers
-> => exporting manifest sha256:17b0c4d7c6739663a0b3b83be5b82f09bac7d99436e0eaf17717b33bd2fd1e1
-> => exporting manifest list sha256:1f103377c6b8f032f0a8d8d9914108be78c794c7649a19b332163401a0fdd3
-> => naming to docker.io/library/frontend-aitech:latest
-> => uncompressing to docker.io/library/frontend-aitech:latest
root@ip-10-0-14-243:/home/ubuntu/my-website# docker images
```

i-02e2492c1cd081703 (web-deployment)

PublicIPs: 13.201.71.165 PrivateIPs: 10.0.14.243

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Instances | EC2 | ap-south | EC2 Instance Connect | ap-south | EC2 Instance Connect | ap-south | EC2 Instance Connect | ap-south | EC2 Instance Connect | ap-south | (no subject) - varshinisara | +

ap-south-1.console.aws.amazon.com/ec2-instance-connect/ssh/home?region=ap-south-1&connType=standard&instanceId=i-02e2492c1cd081703&osUser=ubuntu&sshPort=22&a...

Search [Alt+S]

Account ID: 1223-4553-3950 Asia Pacific (Mumbai) verishn@20aravanan

```
root@ip-10-0-14-243:/home/ubuntu/my-website# docker images
INFO ~ In Use
IMAGE ID DISK USAGE COMMENT SIZE EXTRA
frontend-aitech:latest 2ff05377c6b8 12MB 47.4MB
root@ip-10-0-14-243:/home/ubuntu/my-website# docker run -d -p 80:80 frontend-aitech
ea8db087dcdafac071a54ae3c7da5beeafafa8a12a163f74d8ee6ca361bd
docker: Error response from daemon: failed to set up container networking: driver failed programming external connectivity on endpoint modest_spence (4ec72697d5abf93ed3f7836b27597042f8a337d10a9f00f17c7d93d470890ebc): Bind for 0.0.0.0:80 failed: port is already allocated

Run 'docker run --help' for more information
root@ip-10-0-14-243:/home/ubuntu/my-website# docker ps
CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS NAMES
5ccfcaec50ab b5dc084239ef "/docker-entrypoint..." 5 hours ago Up 5 hours 0.0.0.0:80->80/tcp, [::]:80->80/tcp clever_black
root@ip-10-0-14-243:/home/ubuntu/my-website#
```

i-02e2492c1cd081703 (web-deployment)

PublicIPs: 13.201.71.165 PrivateIPs: 10.0.14.243

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Instances | EC2 | ap-south-1

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

EC2 > Instances

Instances (1/1) info

Find Instance by attribute or tag (case-sensitive) All states

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IPv4 DNS	Public
web-depolym...	i-02e2492c1cd081703	Running	t3.micro	3/3 checks passed	View alarms +	ap-south-1a	ec2-15-127-104-73.ap-...	15.127

i-02e2492c1cd081703 (web-deployment)

Details Status and alarms Monitoring Security Networking Storage Tags

Status checks info

Status checks detect problems that may impair i-02e2492c1cd081703 (web-deployment) from running your applications.

System status checks

- System reachability check passed

Instance status checks

- Instance reachability check passed

Attached EBS status checks

- Attached EBS reachability check passed

Metrics

Alarms

Recently launched instances can take up to 5 minutes to display associated alarms.

Connect to instance | EC2 | ap-south-1

ap-south-1.console.aws.amazon.com/ec2/home?region=ap-south-1#ConnectToInstance:instanceId=i-02e2492c1cd081703

EC2 > Instances > i-02e2492c1cd081703 > Connect to instance

Connect info

Connect to an instance using the browser-based client.

EC2 Instance Connect Session Manager SSH client EC2 serial console

Instance ID

i-02e2492c1cd081703 (web-deployment)

Connection type

☒ Connect using a Public IP  
Connect using a public IPv4 or IPv6 address.

☐ Connect using a Private IP  
Connect using a private IP address and a VPC endpoint.

Public IPv4 address

15.127.104.73

IPv6 address

Username

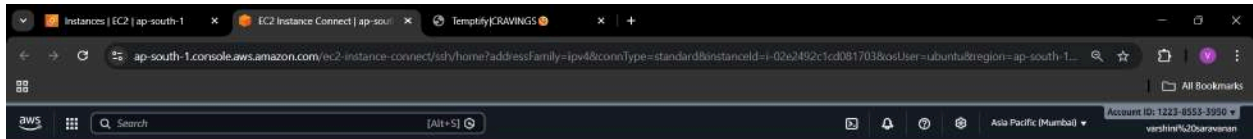
Enter the username defined in the AMI used to launch the instance. If you didn't define a custom username, use the default username, ubuntu.

ubuntu

Note: In most cases, the default username, ubuntu, is correct. However, read your AMI usage instructions to check if the AMI owner has changed the default AMI username.

Cancel Connect





```
root@ip-10-0-14-243:/home/ubuntu/my-website# docker build -t frontend-aitchil .
(4) Building 1.8s (7/7) FINISHED
-> [internal] load build definition from Dockerfile
-> => transferring Dockerfile 37B
-> [internal] load metadata for docker.io/library/nginx:alpine
-> [internal] load .dockerignore
-> => transferring context: 4B
-> [internal] load build context
-> => transferring context: 4.16kB
-> [1/2] FROM docker.io/library/nginx:alpine@sha256:c4917952290ce739b7f0c626d531d99120e2666e07bd3dd5d00002ed132295
=> resolve docker.io/library/nginx:alpine@sha256:c4917952290ce739b7f0c626d531d99120e2666e07bd3dd5d00002ed132295
=> CACHED [1/2] COPY . /usr/share/nginx/html
=> exporting to image
=> exporting layers
=> exporting manifest sha256:edf559914a3c5639099776a9d0c02903a293f355eb8235094ad7c310de3671
=> exporting config sha256:689e2a53f493c35664f73da19032f250561eb747085a555c1a095335a2011
=> exporting oci image manifest sha256:1939402a2b5991ab7763785f7622991ea7ad2f6072046c43af55eb4a70
=> exporting manifest list sha256:b9750b8f02a60ff9a90d7f22a6324d70c7a5971e3d09311f0d50920306
=> naming to docker.io/library/frontend-aitchil:latest
=> unpacking to docker.io/library/frontend-aitchil:latest
root@ip-10-0-14-243:/home/ubuntu/my-website# docker images
```

IMAGE	ID	DISK USAGE	CONTENT SIZE	EXTRA
frontend-aitchil:latest	b575c2efb2a6	131MB	47.4MB	In Use

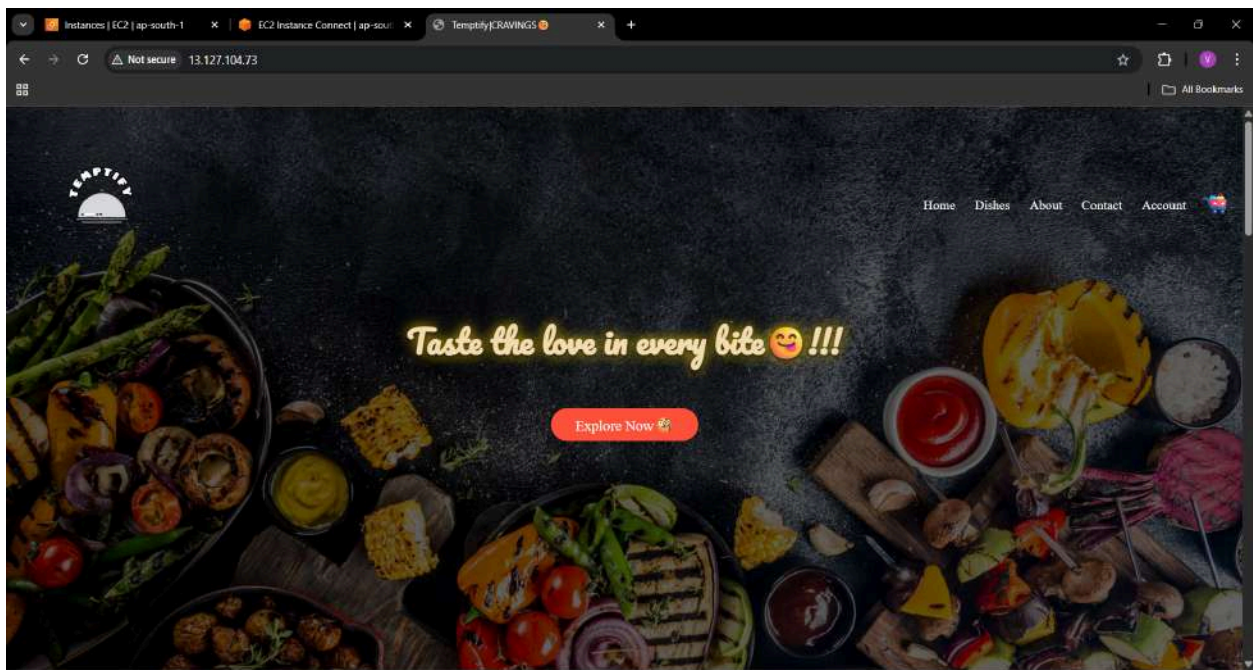
```
root@ip-10-0-14-243:/home/ubuntu/my-website# docker run -d -p 80:80 frontend-aitchil
f37a1ae6b76bf637995a12c5c6c3440d4d7a3ac63bc9dcb2cb8ced509ded4a67
root@ip-10-0-14-243:/home/ubuntu/my-website# docker ps
```

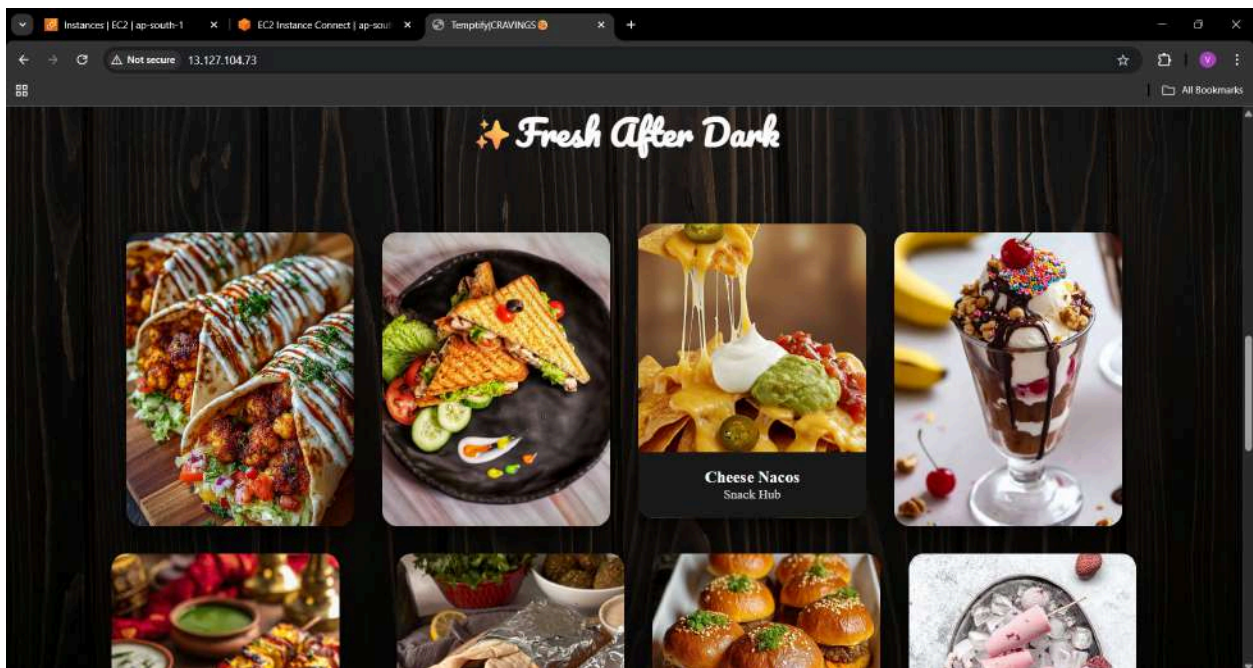
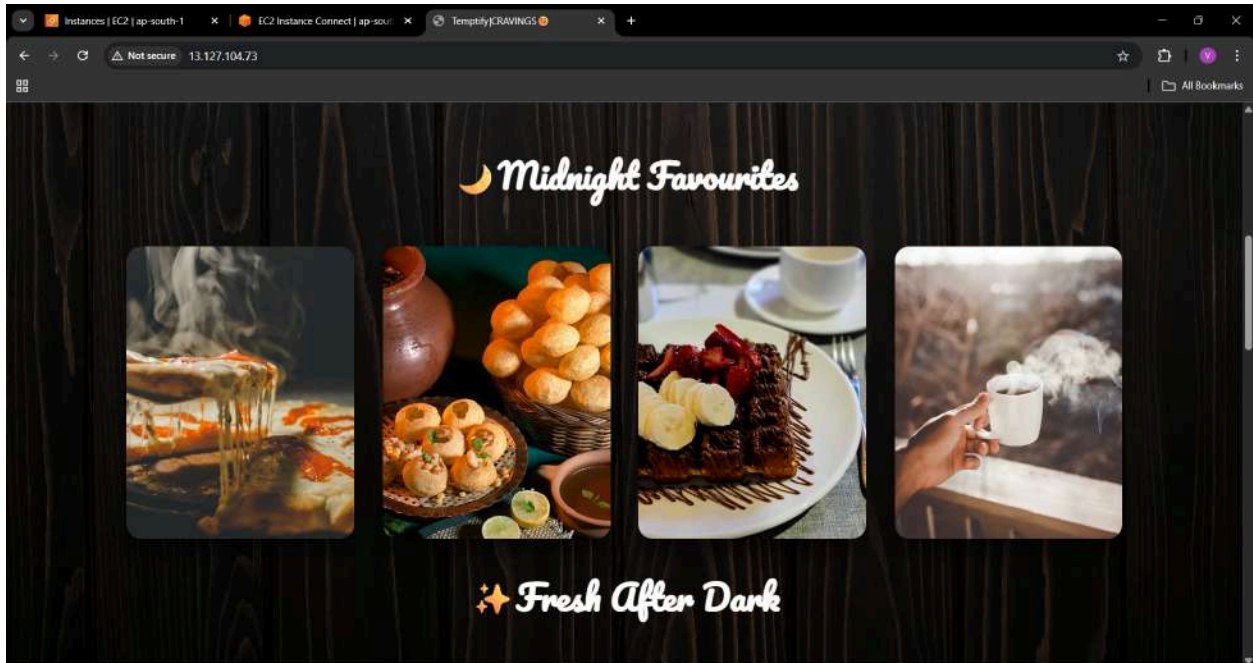
CONTAINER ID	IMAGE	COMMAND	CREATED	STATUS	PORTS	NAMES
f37a1ae6b76b	frontend-aitchil	"/docker-entrypoint..."	12 seconds ago	Up 12 seconds	0.0.0.0:80->80/tcp, [::]:80->80/tcp	sleepy_hawking

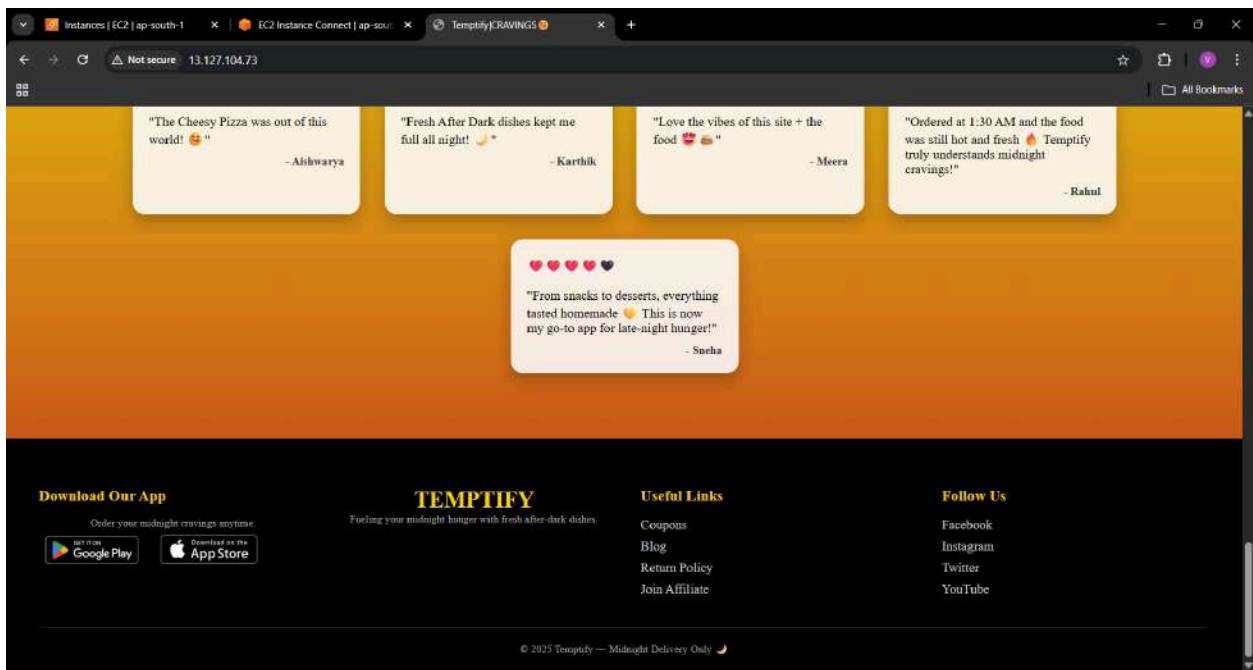
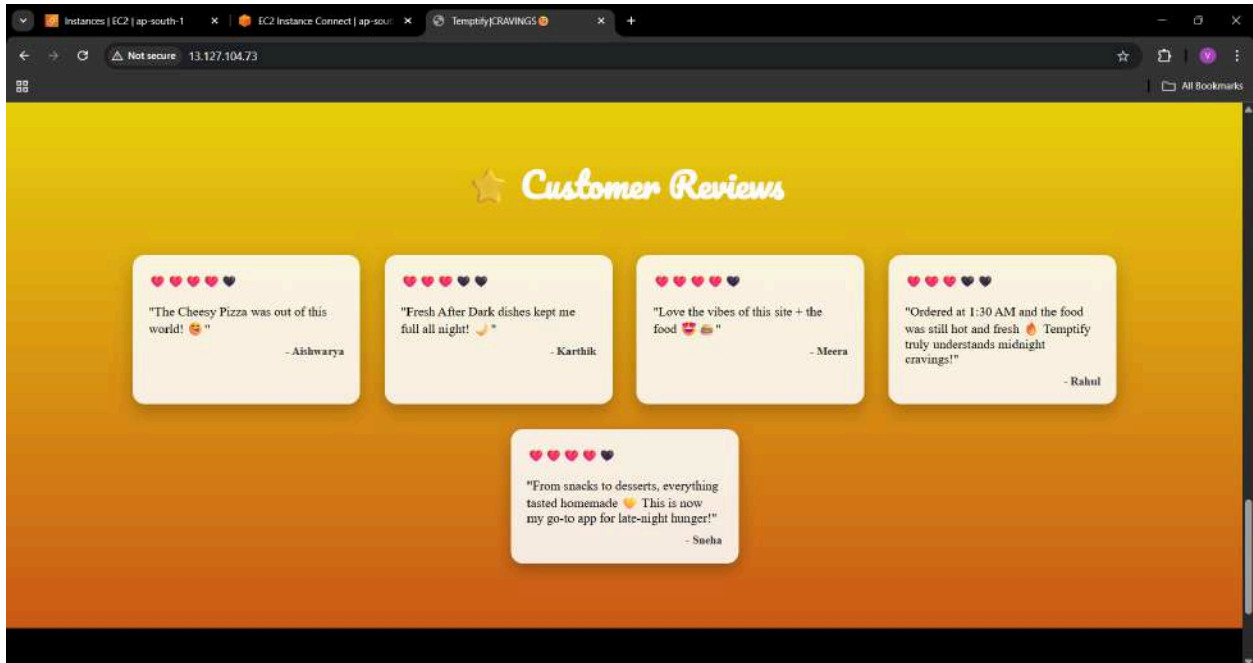
```
root@ip-10-0-14-243:/home/ubuntu/my-website#
```

i-02e2492c1cd081703 (web-deployment)

PublicIPs: 13.127.104.73 PrivateIPs: 10.0.14.243









Instances | EC2 | ap-south-1 x EC2 Instance Connect | ap-south-1 x TemptifyCRAWINGS x +

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

aws ECR Ask Amazon Q

EC2

Services

- Elastic Container Registry**  
Fully-managed Docker container registry : Share and deploy container software, pub...  
Top features: Repositories, Private registry, Managed Image signing
- Secrets Manager**  
Easily rotate, manage, and retrieve secrets throughout their lifecycle
- Key Management Service**  
Securely Generate and Manage AWS Encryption Keys

Features

- Repositories**  
Elastic Container Registry feature
- Private registry**  
Elastic Container Registry feature
- Container Recipes**  
EC2 Image Builder feature

Were these results helpful?  
Yes No

EC2

- Dashboard
- AWS Global V
- Events
- ▼ Instances
  - Instances
  - Instance Type
  - Launch Temp
  - Spot Request
  - Savings Plans
  - Reserved Inst
  - Dedicated Ho
  - Capacity Reso
  - Capacity Man
- ▼ Images
  - AMIs
  - AMI Catalog
- ▼ Elastic Blo
- Volumes
- Snapshots
- Lifecycle Manager

Connect

Alarm status

View alarms +

Private I 10.0

Public D ec2-13-1 address

Amazon ECR

Elastic Container Registry - Cr... x EC2 Instance Connect | ap-sou... x TemptifyCRAWINGS x +

ap-south-1.console.aws.amazon.com/ecr/private-registry/repositories/create?region=ap-south-1

Rate your experience with this Elastic Container Registry console.

Amazon ECR > Private registry > Repositories > Create private repository

### Create private repository

**General settings**

**Repository name**  
Enter a concise name. Repositories support namespaces, which you can use to group similar repositories.  
122385533950.dkr.ecr.ap-south-1.amazonaws.com/namespace/repo-name  
0 out of 256 characters maximum (2 minimum). The name must start with a letter and can only contain lowercase letters, numbers, and special characters .\_-/:.

**Image tag settings** [Info](#)

**Image tag mutability**  
Choose the tag mutability setting.

☒ **Mutable**  
Image tags can be overwritten.

☐ **Immutable**  
Image tags can't be overwritten.

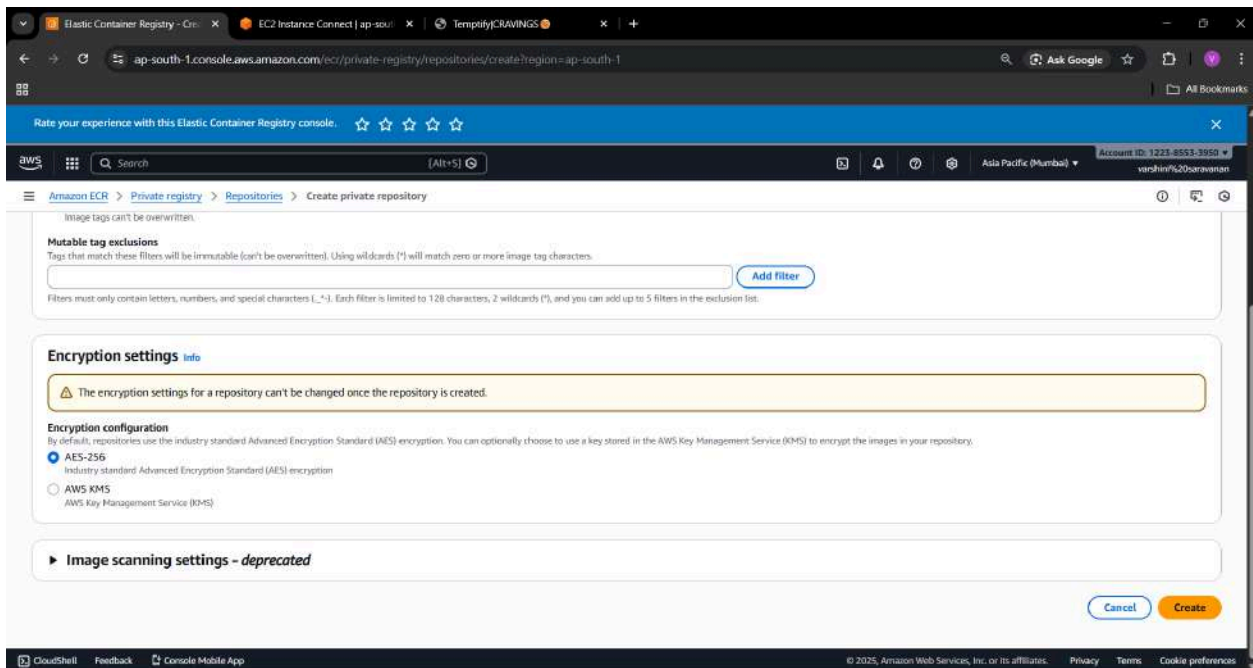
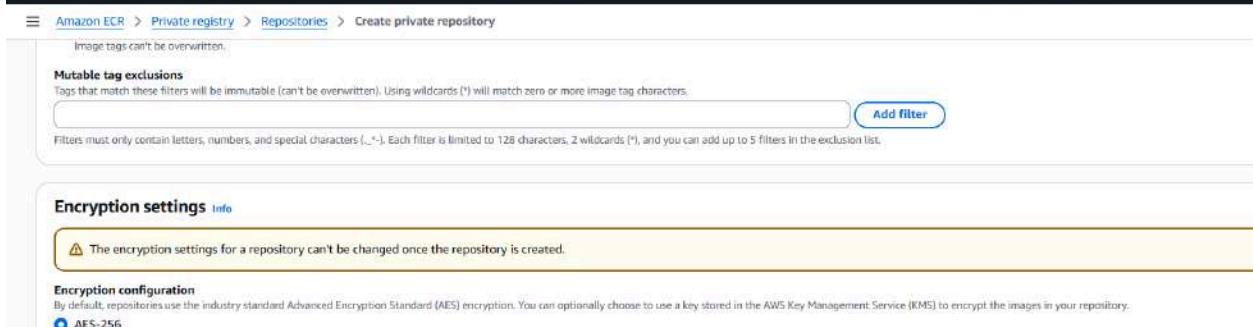
**Mutable tag exclusions**  
Tags that match these filters will be immutable (can't be overwritten). Using wildcards (\*) will match zero or more image tag characters.  
Filters must only contain letters, numbers, and special characters (.,\_/:). Each filter is limited to 128 characters, 2 wildcards (\*), and you can add up to 5 filters in the exclusion list.

[Add filter](#)

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Rate your experience with this Elastic Container Registry console. ☆ ☆ ☆ ☆ ☆

Amazon ECR > Private registry > Repositories

Managed signing now available  
Automatically sign your container images upon push to verify authenticity and ensure supply chain security. Configure image signing

Private repositories (1)

Search by repository substring

Repository name	URI	Created at	Tag immutability	Encryption type
web-deployment	122385533950.dkr.ecr.ap-south-1.amazonaws.com/web-deployment	December 26, 2025, 10:29:43 (UTC+05.5)	Mutable	AES-256

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ap-south-1.console.aws.amazon.com/ec2-instance-connect/shh/home?addressFamily=ipv4&connType=standard&instanceId=i-02e2492c1cd081703&osUser=ubuntu&region=ap-south-1...

```
inflating: aws/dist/awscli/customizations/wizard/wizards/events/new-rule.yml
inflating: aws/dist/awscli/customizations/wizard/wizards/dynamodb/new-table.yml
inflating: aws/dist/awscli/customizations/wizard/wizards/iam/new-role.yml
inflating: aws/dist/awscli/data/cli.json
inflating: aws/dist/awscli/data/ac.index
inflating: aws/dist/awscli/data/metadata.json
creating: aws/dist/prompt_toolkit-3.0.51.dist-info/licenses/
inflating: aws/dist/prompt_toolkit-3.0.51.dist-info/METADATA
inflating: aws/dist/prompt_toolkit-3.0.51.dist-info/WHHEEL
inflating: aws/dist/prompt_toolkit-3.0.51.dist-info/RECORD
inflating: aws/dist/prompt_toolkit-3.0.51.dist-info/top_level.txt
inflating: aws/dist/prompt_toolkit-3.0.51.dist-info/INSTALLER
inflating: aws/dist/prompt_toolkit-3.0.51.dist-info/licenses/AUTHORS.rst
inflating: aws/dist/prompt_toolkit-3.0.51.dist-info/licenses/LICENSE
inflating: aws/dist/wheel-0.45.1.dist-info/INSTALLER
inflating: aws/dist/wheel-0.45.1.dist-info/direct_url.json
inflating: aws/dist/wheel-0.45.1.dist-info/REQUESTED
inflating: aws/dist/wheel-0.45.1.dist-info/README.txt
inflating: aws/dist/wheel-0.45.1.dist-info/METADATA
inflating: aws/dist/wheel-0.45.1.dist-info/RECORD
inflating: aws/dist/wheel-0.45.1.dist-info/WHHEEL
inflating: aws/dist/wheel-0.45.1.dist-info/entry_points.txt
root@ip-10-0-14-243:/home/ubuntu/my-website# aws --version
Command 'aws' not found, but can be installed with:
apt install awscli
root@ip-10-0-14-243:/home/ubuntu/my-website# sudo ./aws/install
You can now run: /usr/local/bin/aws --version
root@ip-10-0-14-243:/home/ubuntu/my-website# aws --version
aws-cli/2.32.23 python/3.11 linux/x86_64.ubuntu.24
root@ip-10-0-14-243:/home/ubuntu/my-website#
```

i-02e2492c1cd081703 (web-deployment)

PublicIPs: 13.127.104.73 PrivateIPs: 10.0.14.243

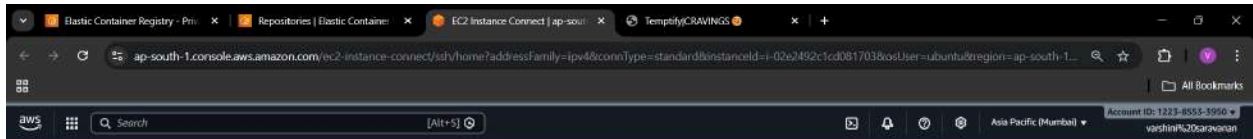
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24°C Mostly sunny

Search

ENG IN 10:34 26-12-2025



```
inflating: aws/dist/awscli/examples/payment-cryptography/delete-alias.rst
inflating: aws/dist/awscli/examples/mediapackage-vod/create-asset.rst
inflating: aws/dist/awscli/examples/mediapackage-vod/delete-asset.rst
inflating: aws/dist/awscli/examples/mediapackage-vod/list-assets.rst
inflating: aws/dist/awscli/examples/mediapackage-vod/list-packaging-groups.rst
inflating: aws/dist/awscli/examples/mediapackage-vod/list-packaging-configurations.rst
inflating: aws/dist/awscli/examples/mediapackage-vod/delete-packaging-group.rst
inflating: aws/dist/awscli/examples/mediapackage-vod/create-packaging-configuration.rst
inflating: aws/dist/awscli/examples/mediapackage-vod/describe-packaging-configuration.rst
inflating: aws/dist/awscli/examples/mediapackage-vod/delete-packaging-configuration.rst
inflating: aws/dist/awscli/examples/mediapackage-vod/describe-asset.rst
inflating: aws/dist/awscli/examples/mediapackage-vod/create-packaging-group.rst
inflating: aws/dist/awscli/examples/mediapackage-vod/describe-packaging-group.rst
inflating: aws/dist/awscli/examples/healthlake/list-fhir-datastores.rst
inflating: aws/dist/awscli/examples/healthlake/list-fhir-export-jobs.rst
inflating: aws/dist/awscli/examples/healthlake/create-fhir-datastore.rst
inflating: aws/dist/awscli/examples/healthlake/tag-resource.rst
inflating: aws/dist/awscli/examples/healthlake/describe-fhir-export-job.rst
inflating: aws/dist/awscli/examples/healthlake/start-fhir-export-job.rst
inflating: aws/dist/awscli/examples/healthlake/list-fhir-import-jobs.rst
inflating: aws/dist/awscli/examples/healthlake/describe-fhir-datastore.rst
inflating: aws/dist/awscli/examples/healthlake/delete-fhir-datastore.rst
inflating: aws/dist/awscli/examples/healthlake/start-fhir-import-job.rst
inflating: aws/dist/awscli/examples/healthlake/untag-resource.rst
inflating: aws/dist/awscli/examples/healthlake/list-tags-for-resource.rst
inflating: aws/dist/awscli/examples/healthlake/describe-fhir-import-job.rst
inflating: aws/dist/awscli/examples/oam/get-sink.rst
inflating: aws/dist/awscli/examples/oam/list-tags-for-resource.rst
inflating: aws/dist/awscli/examples/oam/delete-link.rst
inflating: aws/dist/awscli/examples/oam/list-attached-links.rst
inflating: aws/dist/awscli/examples/oam/get-sink-policy.rst
```

i-02e2492c1cd081703 (web-deployment)

PublicIPs: 15.127.104.73 PrivateIPs: 10.0.14.245



Step 1: Specify user details

Step 2: Set permissions

Step 3: Review and create

### Specify user details

**User details**

User name:

The user name can have up to 64 characters. Valid characters: A-Z, a-z, 0-9, and +, ., @, \_ (hyphen)

☐ Provide user access to the AWS Management Console - optional

In addition to console access, users with `Signtnl.localDevelopmentAccess` permissions can use the same console credentials for programmatic access without the need for access keys.

**Info** If you are creating programmatic access through access keys or service-specific credentials for AWS CodeCommit or Amazon Keyspaces, you can generate them after you create this IAM user. [Learn more](#)

[Cancel](#) [Next](#)

us-east-1.console.aws.amazon.com/iam/home?region=ap-south-1#/users/create

Step 3  
Review and create

☐ Add user to group  
Add user to an existing group, or create a new group. We recommend using groups to manage user permissions by job function.

☐ Copy permissions  
Copy all group memberships, attached managed policies, and inline policies from an existing user.

☒ Attach policies directly  
Attach a managed policy directly to a user. As a best practice, we recommend attaching policies to a group instead. Then, add the user to the appropriate group.

Permissions policies (1440)  
Choose one or more policies to attach to your new user.

Search

Filter by Type  
All types

<input type="checkbox"/>	Policy name	Type	Attached entities
<input type="checkbox"/>	<a href="#">AccessAnalyzerServiceRolePolicy</a>	AWS managed	0
<input type="checkbox"/>	<a href="#">AccountManagementFromVercel</a>	AWS managed	0
<input type="checkbox"/>	<a href="#">AdministratorAccess</a>	AWS managed - job function	0
<input type="checkbox"/>	<a href="#">AdministratorAccess-Amplify</a>	AWS managed	0
<input type="checkbox"/>	<a href="#">AdministratorAccess-AWSElasticBeanstalk</a>	AWS managed	0
<input type="checkbox"/>	<a href="#">AIOpsAssistantIncidentReportPolicy</a>	AWS managed	0

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us-east-1.console.aws.amazon.com/iam/home?region=ap-south-1#/users/create

Step 1  
Specify user details

Step 2  
Set permissions

Step 3  
Review and create

### Review and create

Review your choices. After you create the user, you can view and download the autogenerated password, if enabled.

**User details**

User name varsha	Console password type None	Require password reset No
---------------------	-------------------------------	------------------------------

**Permissions summary**

Name	Type	Used as
<a href="#">AmazonEC2ContainerRegistryFullAccess</a>	AWS managed	Permissions policy
<a href="#">AmazonEC2FullAccess</a>	AWS managed	Permissions policy
<a href="#">AmazonECS_FullAccess</a>	AWS managed	Permissions policy

**Tags - optional**  
Tags are key-value pairs you can add to AWS resources to help identify, organize, or search for resources. Choose any tags you want to associate with this user.

No tags associated with the resource.

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us-east-1.console.aws.amazon.com/iam/home?region=ap-south-1#/users

Click to go back, hold to see history

aws [Search] [Alt+S] Global Account ID: 1225-8553-3950 varshin%20saravanan

Identity and Access Management (IAM)

Search IAM

Dashboard

Access management

- User groups
- Users**
- Roles
- Policies
- Identity providers
- Account settings
- Root access management
- Temporary delegation requests

Access reports

- Access Analyzer
- Resource analysis

User created successfully

You can view and download the user's password and email instructions for signing in to the AWS Management Console.

[View user](#)

Users (1) [Info](#)

An IAM user is an identity with long-term credentials that is used to interact with AWS in an account.

Search

<input type="checkbox"/>	User name	Path	Group	Last activity	MFA	Password age	Console last sign-in	Acc
<input type="checkbox"/>	varsha	/	0	-	-	-	-	-

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us-east-1.console.aws.amazon.com/iam/home?region=ap-south-1#/users/details/varsha?section=permissions

aws [Search] [Alt+S] Global Account ID: 1225-8553-3950 varshin%20saravanan

Identity and Access Management (IAM)

Search IAM

Dashboard

Access management

- User groups
- Users**
- Roles
- Policies
- Identity providers
- Account settings
- Root access management
- Temporary delegation requests

Access reports

- Access Analyzer
- Resource analysis

User created successfully

You can view and download the user's password and email instructions for signing in to the AWS Management Console.

[View user](#)

varsha [Info](#) [Delete](#)

Summary

ARN <a href="#">arn:aws:iam:122585533950:user/varsha</a>	Console access Disabled	Access key 1 <a href="#">Create access key</a>
Created December 26, 2025, 10:37 (UTC+05:30)	Last console sign-in -	

Permissions Groups Tags Security credentials Last Accessed

Permissions policies (3)

Permissions are defined by policies attached to the user directly or through groups.

[Remove](#) [Add permissions](#)

Filter by Type

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us-east-1.console.aws.amazon.com/iam/home?region=ap-south-1#/users/details/varsha/create-access-key

Account ID: 1223-8553-3950  
varshin%20saravanan

IAM > Users > varsha > Create access key

Step 3  
Retrieve access keys

**Use case**

☒ **Command Line Interface (CLI)**  
You plan to use this access key to enable the AWS CLI to access your AWS account.

☐ **Local code**  
You plan to use this access key to enable application code in a local development environment to access your AWS account.

☐ **Application running on an AWS compute service**  
You plan to use this access key to enable application code running on an AWS compute service like Amazon EC2, Amazon ECS, or AWS Lambda to access your AWS account.

☐ **Third-party service**  
You plan to use this access key to enable access for a third-party application or service that monitors or manages your AWS resources.

☐ **Application running outside AWS**  
You plan to use this access key to authenticate workloads running in your data center or other infrastructure outside of AWS that needs to access your AWS resources.

☐ **Other**  
Your use case is not listed here.

**Alternatives recommended**

- Use AWS CLI V2 and the `aws login` command to use your existing console credentials in the CLI. [Learn more](#)

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us-east-1.console.aws.amazon.com/iam/home?region=ap-south-1#/users/details/varsha/create-access-key

Account ID: 1223-8553-3950  
varshin%20saravanan

IAM > Users > varsha > Create access key

**This is the only time that the secret access key can be viewed or downloaded. You cannot recover it later. However, you can create a new access key any time.**

Step 1  
Access key best practices & alternatives

Step 2 - optional  
Set description tag

Step 3  
**Retrieve access keys**

**Retrieve access keys** [info](#)

**Access key**  
If you lose or forget your secret access key, you cannot retrieve it. Instead, create a new access key and make the old key inactive.

Access key: AKIARY7V7BP7DE3M2KU3

Secret access key: /7+P2L1MqDF5N7b5S8LLA2Aw/Qk73QFL8gcaXvjb [Hide](#)

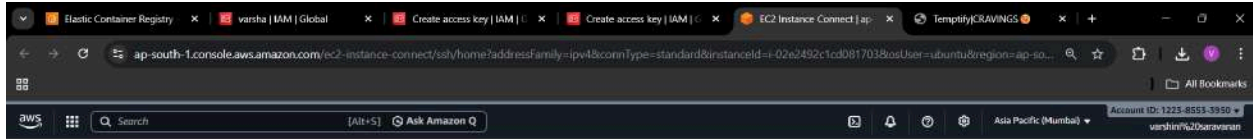
**Access key best practices**

- Never store your access key in plain text, in a code repository, or in code.
- Disable or delete access key when no longer needed.
- Enable least-privilege permissions.
- Rotate access keys regularly.

For more details about managing access keys, see the [best practices for managing AWS access keys](#).

[Download .csv file](#) [Done](#)

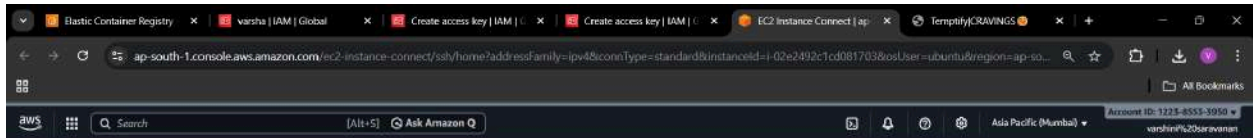
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```
inflating: aws/dist/awscli/examples/acm-pca/tag-certificate-authority.rst
inflating: aws/dist/awscli/examples/acm-pca/get-certificate-authority-csr.rst
inflating: aws/dist/awscli/examples/acm-pca/describe-certificate-authority-audit-report.rst
inflating: aws/dist/awscli/examples/acm-pca/delete-certificate-authority.rst
inflating: aws/dist/awscli/examples/acm-pca/describe-certificate-authority.rst
inflating: aws/dist/awscli/examples/acm-pca/get-certificate.rst
inflating: aws/dist/awscli/examples/acm-pca/update-certificate-authority.rst
creating: aws/dist/awscli/examples/emr-containers/create-role-associations/
creating: aws/dist/awscli/examples/emr-containers/delete-role-associations/
creating: aws/dist/awscli/examples/emr-containers/update-role-trust-policy/
inflating: aws/dist/awscli/examples/emr-containers/delete-role-associations.rst
inflating: aws/dist/awscli/examples/emr-containers/update-role-trust-policy.rst
inflating: aws/dist/awscli/examples/emr-containers/create-role-associations.rst
inflating: aws/dist/awscli/examples/emr-containers/update-role-trust-policy-description.rst
inflating: aws/dist/awscli/examples/emr-containers/delete-role-associations-description.rst
inflating: aws/dist/awscli/examples/emr-containers/create-role-associations-description.rst
inflating: aws/dist/awscli/examples/proton/list-service-instances.rst
inflating: aws/dist/awscli/examples/proton/update-service-instance.rst
inflating: aws/dist/awscli/examples/proton/get-service-instance.rst
inflating: aws/dist/awscli/examples/proton/get-service.rst
inflating: aws/dist/awscli/examples/proton/update-service-pipeline.rst
inflating: aws/dist/awscli/examples/proton/cancel-service-instance-deployment.rst
inflating: aws/dist/awscli/examples/proton/update-service-pipeline-deployment.rst
inflating: aws/dist/awscli/examples/proton/update-service.rst
inflating: aws/dist/awscli/examples/proton/delete-service.rst
inflating: aws/dist/awscli/examples/proton/create-service.rst
inflating: aws/dist/awscli/examples/storagegateway/list-volumes.rst
inflating: aws/dist/awscli/examples/storagegateway/list-gateways.rst
inflating: aws/dist/awscli/examples/storagegateway/list-file-shares.rst
inflating: aws/dist/awscli/examples/storagegateway/describe-gateway-information.rst
inflating: aws/dist/awscli/examples/storagegateway/refresh-cache.rst
```

#### i-02e2492c1cd081703 (web-deployment)

PublicIPs: 13.127.104.73 PrivateIPs: 10.0.14.243



```
aws-cli/2.32.23 Python/3.13.11 Linux/6.14.0-1015-aws exe/x86_64.ubuntu.24
root@ip-10-0-14-243:/home/ubuntu/my-website# aws configure
AWS Access Key ID [None]: AKIAI7V7H7FDE3MEXU3
AWS Secret Access Key [None]: /7d211MqDP5N7b358LLA2Aw/Qk73QFL8gcaXvjB
Default region name [None]: ap-south-1
Default output format [None]: json

[!]+ Stopped aws configure
root@ip-10-0-14-243:/home/ubuntu/my-website# aws configure
AWS Access Key ID [None]: AKIAI7V7H7FDE3MEXU3
AWS Secret Access Key [None]: /7d211MqDP5N7b358LLA2Aw/Qk73QFL8gcaXvjB
Default region name [None]: ap-south-1
Default output format [None]: json
root@ip-10-0-14-243:/home/ubuntu/my-website# aws ecr get-login-password --region ap-south-1 \
| docker login --username AWS --password-stdin 122385533950.dkr.ecr.ap-south-1.amazonaws.com/web-deployment
Error response from daemon: Get "https://registry-1.docker.io/v2/": unauthorized: incorrect username or password
bash: 122385533950.dkr.ecr.ap-south-1.amazonaws.com/web-deployment: No such file or directory
root@ip-10-0-14-243:/home/ubuntu/my-website# aws ecr get-login-password --region ap-south-1 | docker login --username AWS --password-stdin 122385533950.dkr.ecr.ap-south-1.amazonaws.com/web-deployment
WARNING! Your credentials are stored unencrypted in '/root/.docker/config.json'.
Configure a credential helper to remove this warning. See
https://docs.docker.com/go/credential-store/

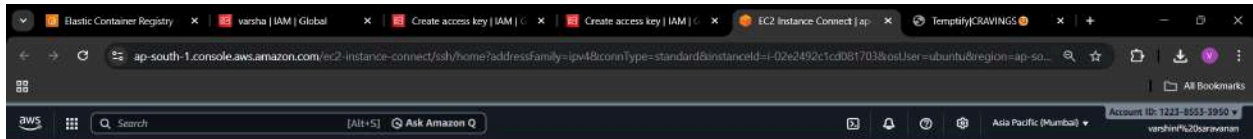
Login Succeeded
root@ip-10-0-14-243:/home/ubuntu/my-website# docker images
```

IMAGE	ID	DISK USAGE	CONTENT SIZE	EXTRA
frontend-atech:latest	b575c2efb2a6	131MB	47.4MB	In Use

```
root@ip-10-0-14-243:/home/ubuntu/my-website# docker tag frontend-atech:latest 122385533950.dkr.ecr.ap-south-1.amazonaws.com/web-deployment:latest
root@ip-10-0-14-243:/home/ubuntu/my-website# docker push 122385533950.dkr.ecr.ap-south-1.amazonaws.com/web-deployment:latest
```

#### i-02e2492c1cd081703 (web-deployment)

PublicIPs: 13.127.104.73 PrivateIPs: 10.0.14.243

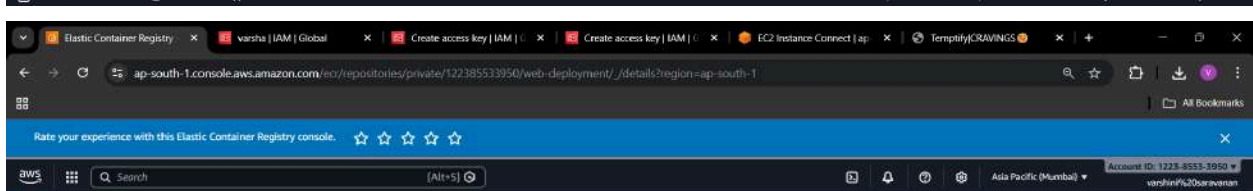


```
122385533950.dkr.ecr.ap-south-1.amazonaws.com/web-deployment
Error response from daemon: Get "https://registry-1.docker.io/v2/": unauthorized: incorrect username or password
bash: 122385533950.dkr.ecr.ap-south-1.amazonaws.com/web-deployment: No such file or directory
root@ip-10-0-14-243:/home/ubuntu/my-website# aws ecr get-login-password --region ap-south-1 | docker login --username AWS --password-stdin 122385533950.dkr.ecr.ap-south-1.amazonaws.com/web-deployment

WARNING! Your credentials are stored unencrypted in '/root/.docker/config.json'.
Configure a credential helper to remove this warning. See
https://docs.docker.com/go/credential-store/

Login Succeeded
root@ip-10-0-14-243:/home/ubuntu/my-website# docker images

IMAGE                                ID                                DISK USAGE  CONTENT SIZE  EXTRA
-----                                -                                -            -            -
frontend-atech:latest               b575c2efb2a6                      131MB        47.4MB
root@ip-10-0-14-243:/home/ubuntu/my-website# docker tag frontend-atech:latest 122385533950.dkr.ecr.ap-south-1.amazonaws.com/web-deployment:latest
root@ip-10-0-14-243:/home/ubuntu/my-website# docker push 122385533950.dkr.ecr.ap-south-1.amazonaws.com/web-deployment:latest
The push refers to repository [122385533950.dkr.ecr.ap-south-1.amazonaws.com/web-deployment]
8a49fcb0629f: Pushed
523128c55a26: Pushed
085cbe3aaa9e: Pushed
4654cb821236: Pushed
567f84da6fbd: Pushed
da7c973dbb92: Pushed
33f95a0f3229: Pushed
1074353ee0d0: Pushed
0ab79e567266: Pushed
23f453064fd3: Pushed
latest: digest: sha256:b575c2efb2a6effa36b1f52aa82a4dc7c67a55671ecbdb9a111fed5c8a2c3d6e size: 856
root@ip-10-0-14-243:/home/ubuntu/my-website#
```



Amazon ECR > Private registry > Repositories > Images

### web-deployment

Summary **Images** Repository tags

Images (3) [Info](#) [Delete](#) [Copy URI](#) [Details](#) [Scan](#) [View push commands](#)

<input type="checkbox"/>	Image tags	Type	Created at	Image size	Image digest	Last pulled at
<input type="checkbox"/>	latest	Image index	December 26, 2025, 10:48:26 (UTC+05.5)	47.43	sha256:b575c2efb2a6...	-
<input type="checkbox"/>	-	image	December 26, 2025, 10:48:26 (UTC+05.5)	0.00	sha256:193963e2afb...	-
<input type="checkbox"/>	-	image	December 26, 2025, 10:48:26 (UTC+05.5)	47.45	sha256:6df558914a5...	-

Amazon Elastic Container Service

Private registry

- Repositories
- Lifecycle policy
- Permissions
- Repository tags
- Features & Settings

Public registry

- Repositories
- Settings

ECR public gallery [Link](#)

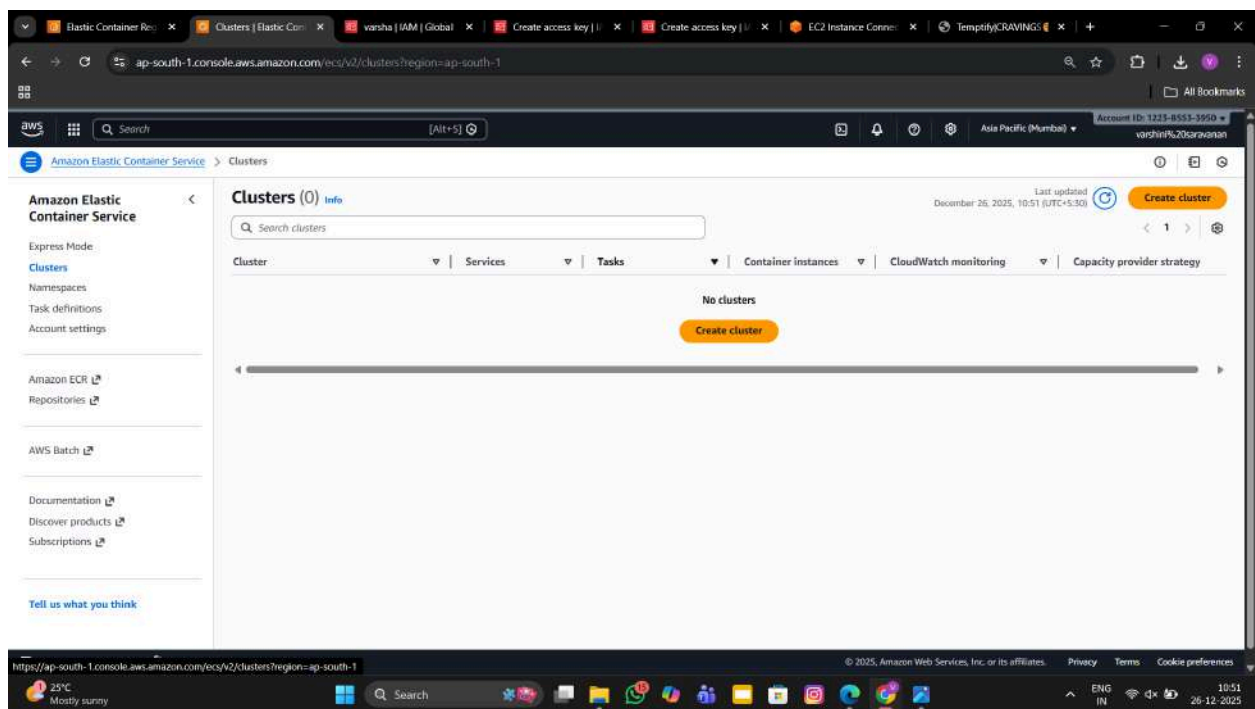
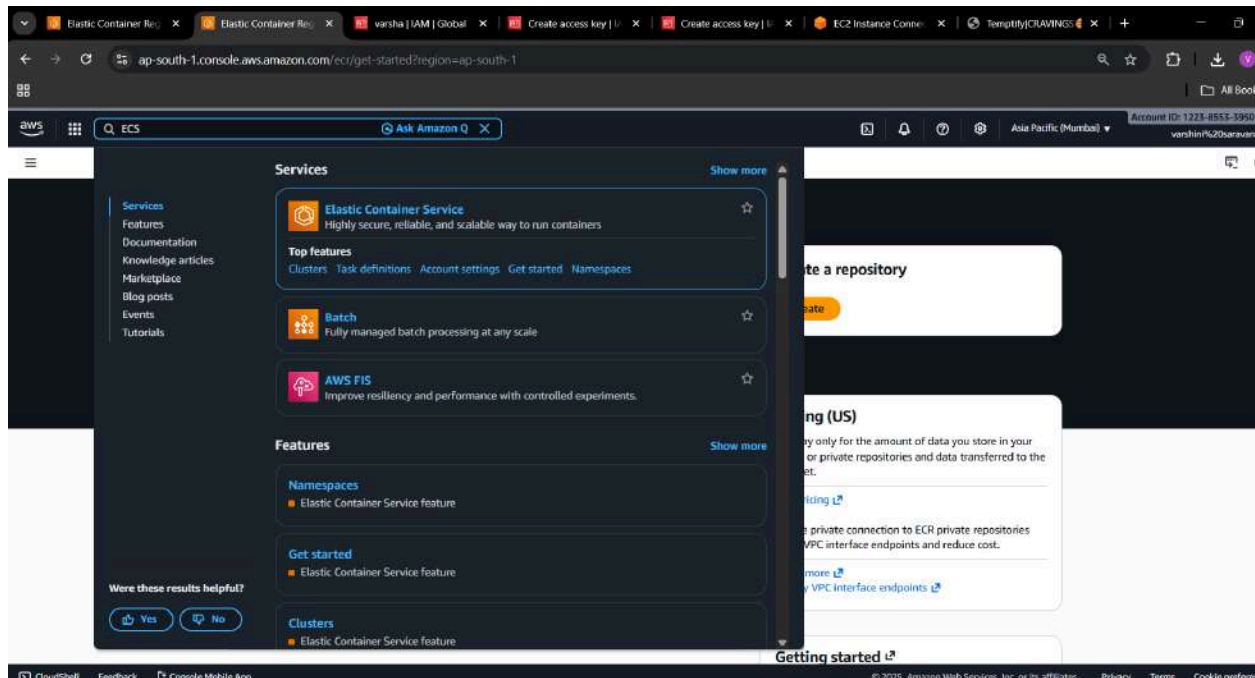
Amazon ECS [Link](#)

Amazon EKS [Link](#)

Getting started [Link](#)

Documentation [Link](#)





Browser tabs: Elastic Container Re..., Create cluster | Elasti..., varsha | IAM | Global, Create access key | I..., Create access key | I..., EC2 Instance Conne..., Tempfly(CRAWING)...

URL: ap-south-1.console.aws.amazon.com/ecs/v2/create-cluster?region=ap-south-1

Account ID: 1223-8553-3950

### Create cluster

An Amazon ECS cluster groups together tasks, and services, and allows for shared capacity and common configurations. All of your tasks, services, and capacity must belong to a cluster.

#### Cluster configuration

**Cluster name**

web-deployment-cluster1

Cluster name must be 1 to 255 characters. Valid characters are a-z, A-Z, 0-9, hyphens (-), and underscores (\_).

► **Service Connect defaults - optional**

▼ **Infrastructure - advanced**

Configure the manner of obtaining compute resources that will be used to host your application.

**Select a method of obtaining compute capacity**

Your cluster is automatically configured for AWS Fargate (serverless), but you may choose to add Amazon EC2 instances (servers).

☒ **Fargate only**

Serverless - you don't think about creating or managing servers. Great for most common workloads.

☐ **Fargate and Managed Instances**

Managed instances - Amazon ECS will manage patching and scaling on your behalf while giving you configurability about the types of instances. Great for more advanced workloads.

☐ **Fargate and Self-managed instances**

Self-managed instances - you must ensure the instances are patched and scaled properly, and you have full control over the instances.

► **Monitoring - optional**

Configure observability, encryption, and logging options to maintain compliance and operational visibility of your container environment.

Browser tabs: Elastic Container Re..., Create cluster | Elasti..., varsha | IAM | Global, Create access key | I..., Create access key | I..., EC2 Instance Conne..., Tempfly(CRAWING)...

URL: ap-south-1.console.aws.amazon.com/ecs/v2/create-cluster?region=ap-south-1

Account ID: 1223-8553-3950

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Browser tabs: Elastic Container Re..., Clusters | Elastic Con..., varsha | IAM | Global, Create access key |, Create access key |, EC2 Instance Conne..., Tempfly/CRAVINGS

URL: ap-south-1.console.aws.amazon.com/ecs/v2/clusters?region=ap-south-1

Search: [Alt+S] Ask Amazon Q

Account ID: 1223-8553-3950 varshaN20caravan

Amazon Elastic Container Service > Clusters

Cluster web-deployment-cluster1 creation is in progress. [View in CloudFormation](#)

Clusters (1) [info](#) Last updated: December 26, 2025, 11:00 (UTC+5:30) [Create cluster](#)

Search clusters

Cluster	Services	Tasks	Container instances	CloudWatch monitoring	Capacity provider strategy
<a href="#">web-deployment-cluster1</a>	0	No tasks running	0 EC2	Default	No default found

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Browser tabs: Elastic Container Re..., Clusters | Elastic Con..., varsha | IAM | Global, Create access key |, Create access key |, EC2 Instance Conne..., Tempfly/CRAVINGS

URL: ap-south-1.console.aws.amazon.com/ecs/v2/clusters?region=ap-south-1

Search: [Alt+S] Ask Amazon Q

Account ID: 1223-8553-3950 varshaN20caravan

Amazon Elastic Container Service > Clusters

Cluster web-deployment-cluster1 has been created successfully. [View cluster](#)

Clusters (1) [info](#) Last updated: December 26, 2025, 11:00 (UTC+5:30) [Create cluster](#)

Search clusters

Cluster	Services	Tasks	Container instances	CloudWatch monitoring	Capacity provider strategy
<a href="#">web-deployment-cluster1</a>	0	No tasks running	0 EC2	Default	No default found

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ap-south-1.console.aws.amazon.com/ec2/home?region=ap-south-1#LoadBalancers

EC2 > Load balancers

**Load balancers** [What's new?](#)

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

Filter load balancers

Name	State	Type	Scheme	IP address type	VPC ID	Availability Zones	Security group
0 load balancers selected							

Select a load balancer above.

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ap-south-1.console.aws.amazon.com/ec2/home?region=ap-south-1#SelectCreateELBWizard

EC2 > Load balancers > Compare and select load balancer type

**Compare and select load balancer type**

A complete feature-by-feature comparison along with detailed highlights is also available, [Learn more](#)

**Load balancer types**

**Application Load Balancer** [Info](#)

Choose an Application Load Balancer when you need a flexible feature set for your applications with HTTP and HTTPS traffic.

**Network Load Balancer** [Info](#)

Choose a Network Load Balancer when you need ultra-high performance, TLS offloading at scale, centralized certificate deployment.

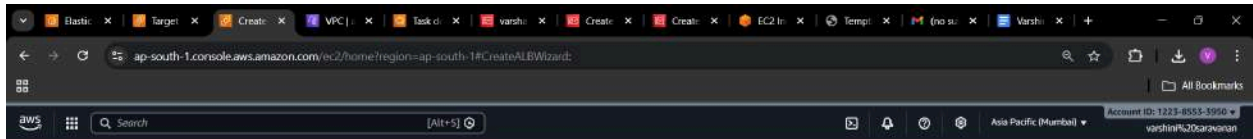
**Gateway Load Balancer** [Info](#)

Choose a Gateway Load Balancer when you need to deploy and manage a fleet of third-party virtual appliances that support GENEVE.

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## 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 Application Load Balancers work

#### 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

- Serves internet-facing traffic.
- Has public IP addresses.
- DNS name resolves to public IPs.
- Requires a public subnet.

##### ☐ Internal

- Serves internal traffic.
- Has private IP addresses.
- DNS name resolves to private IPs.
- Compatible with the IPv4 and Dualstack IP address types.

##### Load balancer IP address type [Info](#)

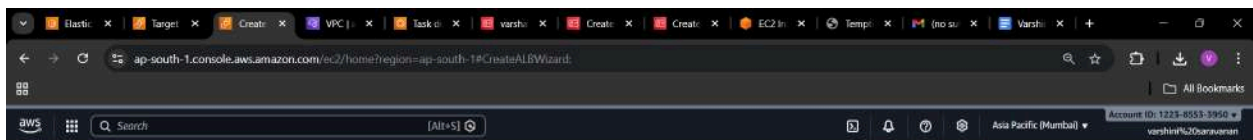
Select the front-end IP address type to assign to the load balancer. The VPC and subnets mapped to this load balancer must include the selected IP address types. Public IPv4 addresses have an additional cost.

##### ☒ IPv4

Includes only IPv4 addresses.

##### ☐ Dualstack

Includes IPv4 and IPv6 addresses.



### ► Benefits and considerations

#### Review

Review the load balancer configurations and make changes if needed. After you finish reviewing the configurations, choose **Create load balancer**.

##### Summary

Review and confirm your configurations. [Estimate cost](#)

##### Basic configuration [Edit](#)

Name: web-deployment-lb

Scheme: Internet-facing

IP address type: IPv4

##### Network mapping [Edit](#)

VPC: [vpc-07dd4e1a905c4f76](#)

Public IPv4 IPAM pool:

Availability Zones and subnets:

- ap-south-1a
  - [subnet-0c2dd6b743df76ddc](#)
  - web\_deployment-subnet-private1-ap-south-1a
- ap-south-1b
  - [subnet-0c940c9bd7be258d1](#)
  - web\_deployment-subnet-private2-ap-south-1b

##### Security groups [Edit](#)

web-deployment

[sg-0b1f45d19540d3761](#)

default

[sg-0b538b9dd4168fcb6](#)

##### Listeners and routing [Edit](#)

HTTP:80 | [Forward to 1 target group](#)

##### Service integrations [Edit](#)

Amazon CloudFront + AWS Web Application Firewall (WAF): Applied

AWS WAF: -

AWS Global Accelerator: -

##### Tags [Edit](#)

-

##### Attributes

Successfully created load balancer: **web-deployment-lb**  
It might take a few minutes for your load balancer to fully set up and route traffic. Targets will also take a few minutes to complete the registration process and pass initial health checks.

Introducing ALB target optimizer  
Target optimizer lets you enforce a maximum number of requests per target using an ALB-provided agent, improving success rates, latency, and efficiency. [Learn more](#)

### web-deployment-lb

**Details**

<b>Load balancer type</b> Application	<b>Status</b> Provisioning	<b>VPC</b> vpc-07ddf4e1a905c4f76	<b>Load balancer IP address type</b> IPv4
<b>Scheme</b> Internet-facing	<b>Hosted zone</b> ZP97RAF1XTNZK	<b>Availability Zones</b> subnet-0c2dd5b743df76ddc ap-south-1a (aps1-az1) subnet-0c940c9tcd7be258d1 ap-south-1b (aps1-az3)	<b>Date created</b> December 26, 2025, 11:22 (UTC+05:30)
<b>Load balancer ARN</b> arn:aws:elasticloadbalancing:ap-south-1:122385533950:loadbalancer/app/web-deployment-lb/59b40334eb73b464		<b>DNS name info</b> web-deployment-lb-1177288842.ap-south-1.elb.amazonaws.com (A Record)	

**Listeners and rules** | Network mapping | Resource map | Security | Monitoring | Integrations | Attributes | Capacity | Tags

### web-deployment-cluster1

Cluster overview

<b>ARN</b> arn:aws:ecs:ap-south-1:122385533950:cluster/web-deployment-cluster1	<b>Status</b> Active	<b>CloudWatch monitoring</b> Default	<b>Registered container instances</b> -
<b>Services</b>	<b>Tasks</b>		
Draining -	Active -	Pending -	Running -

**Services (0)** [Info](#)

Filter launch type: Any launch type | Filter scheduling strategy: Any scheduling strategy | Filter resource management type: Any resource management type

Service name	ARN	Status	Schedu...	Launch...	Task de...	Deployments and tasks	Last de
No services							
No services to display.							

[Create](#)

Browser tabs: Elast, Targ, Load, VPC, Task, Cre, var, Cre, Cre, EC2, Tem, (no s, Vars, +

URL: ap-south-1.console.aws.amazon.com/ecs/v2/clusters/web-deployment-cluster1/create-service?region=ap-south-1

Search: [Alt+S]

Account ID: 1223-8553-3950 | varshin%20caravan

### Amazon Elastic Container Service

Express Mode  
Clusters  
Namespaces  
Task definitions  
Account settings

Amazon ECR  
Repositories

AWS Batch

Documentation  
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Tell us what you think

## Create service

### Service details

**Task definition family**  
Select an existing task definition family. To create a new task definition, go to [Task definitions](#).

web-deployment-task-definitions

**Task definition revision** Latest  
Select the task definition revision from the 100 most recent entries, or enter a revision. Leave the field blank to use the latest revision.

1

**Service name**  
Assign a service name that is unique for this cluster.

web-deployment-task-definitions-service-xg5yy02k

Up to 255 letters (uppercase and lowercase), numbers, underscores, and hyphens are allowed. Service names must be unique within a cluster.

### Environment

Existing cluster: web-deployment-cluster1

**Compute configuration - advanced**

**Compute options** [Info](#)  
To ensure task distribution across your compute types, use appropriate compute options.

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Browser tabs: Elast, Targ, Load, VPC, Task, Cre, var, Cre, Cre, EC2, Tem, (no s, Vars, +

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Account ID: 1223-8553-3950 | varshin%20caravan

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## Create service

☐ Capacity provider strategy  
Specify a launch strategy to distribute your tasks across one or more capacity providers.

☒ Launch type  
Launch tasks directly without the use of a capacity provider strategy.

**Launch type** [Info](#)  
Select either managed capacity (Fargate), or custom capacity (EC2 or user-managed, External instances). External instances are registered to your cluster using the ECS Anywhere capability.

FARGATE

**Platform version** [Info](#)  
Specify the platform version on which to run your service.

LATEST

**Troubleshooting configuration - recommended**

### Deployment configuration

**Scheduling strategy** [Info](#)

☒ Replica  
Place and maintain a desired number of tasks across your cluster.

☐ Daemon  
Place and maintain one copy of your task on each container instance.

**Desired tasks**  
Specify the number of tasks to launch.

1

**Availability Zone rebalancing** [Info](#)  
☒ Turn on Availability Zone rebalancing.

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### Networking

**VPC** Info  
Select a VPC to use for your Amazon ECS resources.  
vpc-07dd4e1a905c4f76  
web\_deployment-vpc

[Create a new VPC](#)

**Subnets**  
Choose the subnets within the VPC that the task scheduler should consider for placement.  
Choose subnets

subnet-0920c258f35586dd7  
web\_deployment-subnet-public2-ap-south-1b  
ap-south-1b 10.0.16.0/20

subnet-05609c691a93a1e41  
web\_deployment-subnet-public1-ap-south-1a  
ap-south-1a 10.0.0.0/20

[Clear current selection](#)

**Security group** Info  
Choose an existing security group or create a new security group.  
☒ Use an existing security group  
☐ Create a new security group

**Security group name**  
Choose an existing security group.  
Choose security groups

sg-061f43d19540d3761  
web-deployment

sg-0b528b9dd416fcb6  
default

**Public IP** Info  
Choose whether to auto-assign a public IP to the task's elastic network interface (ENI).  
☒ Turned off

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### Load balancing - optional

Configure load balancing using Amazon Elastic Load Balancing to distribute traffic evenly across the healthy tasks in your service.

☒ Use load balancing

**VPC**  
The VPC for your load balancing resources must be the same as the VPC for your service with awsvpc.  
vpc-07dd4e1a905c4f76

**Load balancer type** Info  
Specify the load balancer type to distribute incoming traffic across the tasks running in your service.

☒ Application Load Balancer  
An Application Load Balancer makes routing decisions at the application layer (HTTP/HTTPS), supports path-based routing, and can route requests to one or more ports.

☐ Network Load Balancer  
A Network Load Balancer makes routing decisions at the transport layer (TCP/UDP).

**Container**  
The container and port to load balance the incoming traffic to.  
web-deployment-container 80:80  
Host port:Container port

**Application Load Balancer**  
Specify whether to create a new load balancer or choose an existing one.  
☐ Create a new load balancer  
☒ Use an existing load balancer

**Load balancer**  
Choose an existing load balancer to distribute traffic. View existing load balancers and create new one in EC2 Console.

web-deployment-lb  
web-deployment-lb-11f72888f2-ap-south-1-eb-aws-vpc.com

internet-facing

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