

Netflix Clone -DevSecOps Project

Phase I: Initial Setup and Deployment

Step 1: Launch EC2 (Ubuntu 22.04):

The screenshot displays the AWS Management Console interface. The top navigation bar shows the user's profile as 'abhishekprowal836' and the region as 'Mumbai'. The main content area is divided into two sections. The first section, titled 'Instances (1/2)', shows a table of EC2 instances. The second section, titled 'Elastic IP addresses (1/1)', shows a table of Elastic IP addresses. Below these sections, the 'Instance: i-022c8cc83854a8ae7 (netflix-jenkins)' details are expanded, showing various instance attributes.

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IPv4 DNS
netflix-jenkins	i-022c8cc83854a8ae7	Running	t2.large	-	View alarms +	ap-south-1a	ec2-3-111-238-40
Bank	i-0f1ea2dc7a9d8d56e	Terminated	t2.micro	-	View alarms +	ap-south-1b	-

Name	Allocated IPv4 address	Type	Allocation ID	Reverse DNS record
netflix-eip	3.111.238.40	Public IP	eipalloc-0af9be9af75ea8d15	-

Instance: i-022c8cc83854a8ae7 (netflix-jenkins)

Instance summary

Instance ID	Public IPv4 address	Private IPv4 addresses
i-022c8cc83854a8ae7 (netflix-jenkins)	3.111.238.40 open address	172.31.36.17
IPv6 address	Instance state	Public IPv4 DNS
-	Running	ec2-3-111-238-40.ap-south-1.compute.amazonaws.com open address
Hostname type	Private IP DNS name (IPv4 only)	
IP name: ip-172-31-36-17.ap-south-1.compute.internal	ip-172-31-36-17.ap-south-1.compute.internal	

Step 2: Clone the Code:

The screenshot displays the AWS Management Console interface with a terminal window open. The terminal shows the output of the 'git clone' command, which successfully clones the 'DevSecOps-Project' repository. The output includes the progress of cloning, the number of objects, and the final directory structure of the project.

```
et:31 http://security.ubuntu.com/ubuntu jammy-security/restricted amd64 Packages [1452 kB]
et:32 http://security.ubuntu.com/ubuntu jammy-security/restricted Translation-en [239 kB]
et:33 http://security.ubuntu.com/ubuntu jammy-security/universe amd64 Packages [842 kB]
et:34 http://security.ubuntu.com/ubuntu jammy-security/universe Translation-en [161 kB]
et:35 http://security.ubuntu.com/ubuntu jammy-security/universe amd64 c-n-f Metadata [16.8 kB]
et:36 http://security.ubuntu.com/ubuntu jammy-security/multiverse amd64 Packages [37.1 kB]
et:37 http://security.ubuntu.com/ubuntu jammy-security/multiverse Translation-en [7476 B]
et:38 http://security.ubuntu.com/ubuntu jammy-security/multiverse amd64 c-n-f Metadata [260 B]
etched 29.7 MB in 5s (6572 kB/s)
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
6 packages can be upgraded. Run 'apt list --upgradable' to see them.
ubuntu@ip-172-31-36-17:~$ git clone https://github.com/N4si/DevSecOps-Project.git
Cloning into 'DevSecOps-Project'...
remote: Enumerating objects: 763, done.
remote: Counting objects: 100% (228/228), done.
remote: Compressing objects: 100% (53/53), done.
remote: Total 763 (delta 180), reused 175 (delta 175), pack-reused 535
Receiving objects: 100% (763/763), 13.46 MiB | 9.25 MiB/s, done.
Resolving deltas: 100% (436/436), done.
ubuntu@ip-172-31-36-17:~$ cd DevSecOps-Project/
ubuntu@ip-172-31-36-17:~/DevSecOps-Project$ ls
Dockerfile  Kubernetes  README.md  index.html  package.json  pipeline.txt  public  src  tsconfig.json  tsconfig.node.json  vercel.json  vite.config.ts  yarn.lock
ubuntu@ip-172-31-36-17:~/DevSecOps-Project$
```

i-022c8cc83854a8ae7 (netflix-jenkins)

PublicIPs: 3.111.238.40 PrivateIPs: 172.31.36.17

Step 3: Install Docker

aws

Services

Search

[Alt+S]

EC2

VPC

Route 53

buntu@ip-172-31-36-17:~/DevSecOps-Project\$ docker version

Client:

Version: 24.0.5

API version: 1.43

Go version: go1.20.3

Git commit: 24.0.5-0ubuntu1~22.04.1

Built: Mon Aug 21 19:50:14 2023

OS/Arch: linux/amd64

Context: default

Server:

Engine:

Version: 24.0.5

API version: 1.43 (minimum version 1.12)

Go version: go1.20.3

Git commit: 24.0.5-0ubuntu1~22.04.1

Built: Mon Aug 21 19:50:14 2023

OS/Arch: linux/amd64

Experimental: false

containerd:

Version: 1.7.2

GitCommit:

runc:

Version: 1.1.7-0ubuntu1~22.04.2

GitCommit:

i-022c8cc83854a8ae7 (netflix-jenkins)

PublicIPs: 3.111.238.40 PrivateIPs: 172.31.36.17

Gmail

Redirecting

ChatGPT

Problems · LeetCode

Microsoft apps

Google Cloud Skills...

gitHub

overleaf

un Unstop

IS Internshala

Glassdoor

indeed

APPLICATION

Cuvette

NextLevel

>>

aws

Services

Search

[Alt+S]

EC2

VPC

Route 53

buntu@ip-172-31-36-17:~/DevSecOps-Project\$ docker build -t netflix .

DEPRECATED: The legacy builder is deprecated and will be removed in a future release.

Install the buildx component to build images with BuildKit:

https://docs.docker.com/go/buildx/

ending build context to Docker daemon 8.218MB

Step 1/16 : FROM node:16.17.0-alpine as builder

6.17.0-alpine: Pulling from library/node

13ec9aee27d: Pull complete

64b973d1bf1: Pull complete

0fe61ad56f5: Pull complete

3887ab559e6: Pull complete

Digest: sha256:2c405ed42fc0fd6aaacbe5730042640450e5ec030bada7617beac88f742b6997b

Status: Downloaded newer image for node:16.17.0-alpine

---> 5dcd1f6157bd

Step 2/16 : WORKDIR /app

---> Running in df959ddabf3e

Removing intermediate container df959ddabf3e

---> 76b44a54719a

Step 3/16 : COPY ./package.json .

---> 2c8823050bc6

Step 4/16 : COPY ./yarn.lock .

---> 27aa5de7b724

Step 5/16 : RUN yarn install

---> Running in 04522a1ff7bd

i-022c8cc83854a8ae7 (netflix-jenkins)

PublicIPs: 3.111.238.40 PrivateIPs: 172.31.36.17

Step 4: Get the API Key:

A

abhishekporwal836@gmail.com

Settings

Edit Profile

Account Settings

Streaming Services

Notification Settings

Blocked Users

Import List

Sharing Settings

Sessions

API

Delete Account

API

Overview

Details

Sessions

Stats

Regenerate Key

TMDb offers a powerful API service that is free to use as long as you properly attribute us as the source of the data and/or images you use. You can find the logos for attribution [here](#).

Documentation

Our primary documentation is located at [developer.themoviedb.org](#).

Support

If you have questions or comments about the information covered here, please create a post on our [support forums](#).

API Details

If you'd like to edit the details of your app, [click here](#).

API Key

e6ab973ffb5c8c3c360d27c9b291978e

API Read Access Token

Step 5: Run the App Using a Container:

Settings

Edit Profile

Account Settings

Streaming Services

Notification Settings

Blocked Users

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API Key

e6ab973ffb5c8c3c360d27c9b291978e

API Read Access Token

```
ubuntu@ip-172-31-36-17:~/DevSecOps-Project$ docker images ls
REPOSITORY          TAG                 IMAGE ID            CREATED             SIZE
ubuntu@ip-172-31-36-17:~/DevSecOps-Project$ docker image ls
REPOSITORY          TAG                 IMAGE ID            CREATED             SIZE
netflix             latest             4e645310c44e       22 seconds ago     50.4MB
<none>              <none>             ec530c9707fe       23 seconds ago     844MB
<none>              <none>             11db3c6b27cb       18 minutes ago     50.4MB
<none>              <none>             6f11f19bb415       18 minutes ago     844MB
nginx               stable-alpine      2c3daafa6cc7       10 months ago      41.1MB
node                16.17.0-alpine     5dcd1f6157bd       18 months ago      115MB
ubuntu@ip-172-31-36-17:~/DevSecOps-Project$
```

aws

Services

Search

[Alt+S]

EC2

VPC

Route 53

ubuntu@ip-172-31-36-17:~/DevSecOps-Project\$ docker run -d -p 8081:80 netflix

6211e6ed1e7b10867a5aa8c06c1cd1722a70a10b864d9f04339b6420a8ed3a8

ubuntu@ip-172-31-36-17:~/DevSecOps-Project\$

i-022c8cc83854a8ae7 (netflix-jenkins)

PublicIPs: 3.111.238.40 PrivateIPs: 172.31.36.17

Enabling the ports in Security groups:

Services

Search

[Alt+S]

Mumbai

abhishekpawal836

VPC

Route 53

0.0.0.0/0

X

HTTP

TCP

80

Custom

Q

Delete

0.0.0.0/0

X

Custom TCP

TCP

8081

Anyw...

Q

app port

Delete

0.0.0.0/0

X

Custom TCP

TCP

8080

Anyw...

Q

jenkins

Delete

0.0.0.0/0

X

Custom TCP

TCP

9000

Anyw...

Q

sonaquer

Delete

0.0.0.0/0

X

Add rule

Rules with source of 0.0.0.0/0 or ::/0 allow all IP addresses to access your instance. We recommend setting security group rules to allow access from known IP addresses only.

X

Access port 8081:

Instances | EC2 | ap-south-1

EC2 Instance Connect | ap-south-1

GitHub - N4s/DevSecOps-Proj

My API Settings - The Movie

Netflix

Not secure

3.111.238.40:8081/browse

Gmail

Redirecting

ChatGPT

Problems - LeetCode

Microsoft apps

Google Cloud Skills

gitHub

overleaf

Unstop

Internshala

Glassdoor

Indeed

sky

Netflix

My List

Movies

TV Shows

Jason Statham

The Beekeeper #shorts

The Beekeeper

One man's campaign for vengeance takes on national stakes after he is revealed to be a former operative of a powerful and clandestine...

Play

More Info

MY RAVEN-LAMPAN

ON WORKING WITH

JASON STATHAM

Abhishek

Abhishek pawal

abhishekpawal836@gmail.com

Sync is on

Manage your Google Account

Close 2 windows

Other profiles

ABHISHEK PORWAL (nitkottayam.ac.in)

qwerty

Guest

Add

18+

Search

ENG US

17:15

25-02-2024