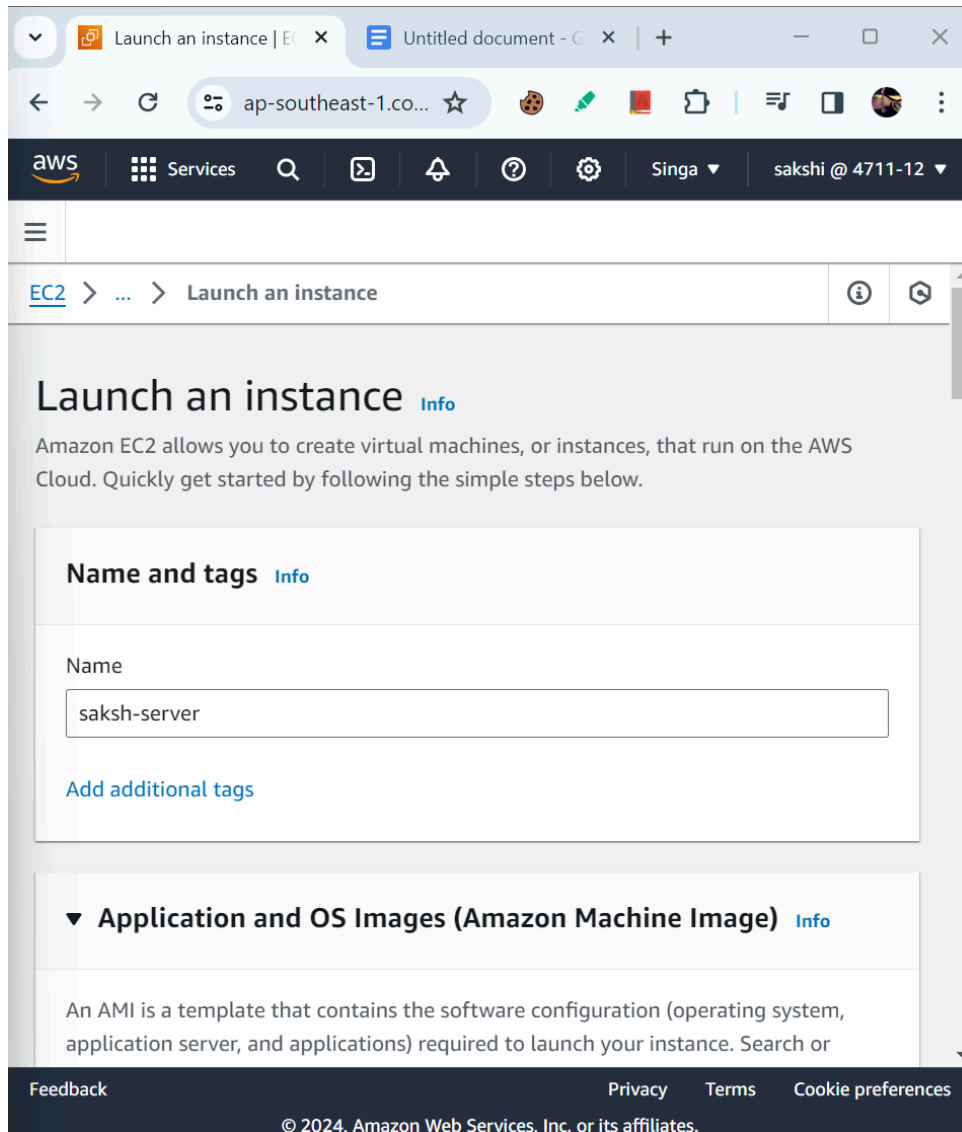


Instance mai website host krna and usse IP se access krna

1. Launch instance in EC2

The screenshot shows the AWS Management Console interface. At the top, there's a navigation bar with the AWS logo, 'Services' menu, a search bar, and user information. The main content area is titled 'Resources' and shows a grid of resource counts for the Asia Pacific (Singapore) Region. The resources listed are: Instances (running) - 0, Elastic IPs - 0, Load balancers - 0, Snapshots - 0, Auto Scaling Groups - 0, Instances - 0, Placement groups - 0, Volumes - 0, Dedicated Hosts - 0, Key pairs - 0, and Security groups - 1. There's a 'Launch instance' button and a 'Migrate a server' link. A note states: 'Note: Your instances will launch in the Asia Pacific (Singapore) Region.' The right sidebar contains the 'EC2 Free Tier' section, which shows '0 EC2 free tier offers in use' and a warning: 'End of month forecast: 0 offers forecasted to exceed free tier limit. Exceeds free tier: 0 offers exceeded and is now pay-as-you-go pricing.' Below this is the 'Account attributes' section, showing the 'Default VPC' ID as 'vpc-0f59ded4754b530fe'.

2. Select the resources available with free tier



3. Key pair creation ko ignore kr skte hai
4. Network setting bhi as it is rhne dena

EC2 > ... > Launch an instance

▼ Network settings Info

Edit

Network Info

vpc-0f59ded4754b530fe

Subnet Info

No preference (Default subnet in any availability zone)

Auto-assign public IP Info

Enable

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.

☒ Create security group

☐ Select existing security group

We'll create a new security group called 'launch-wizard-1' with the following rules:

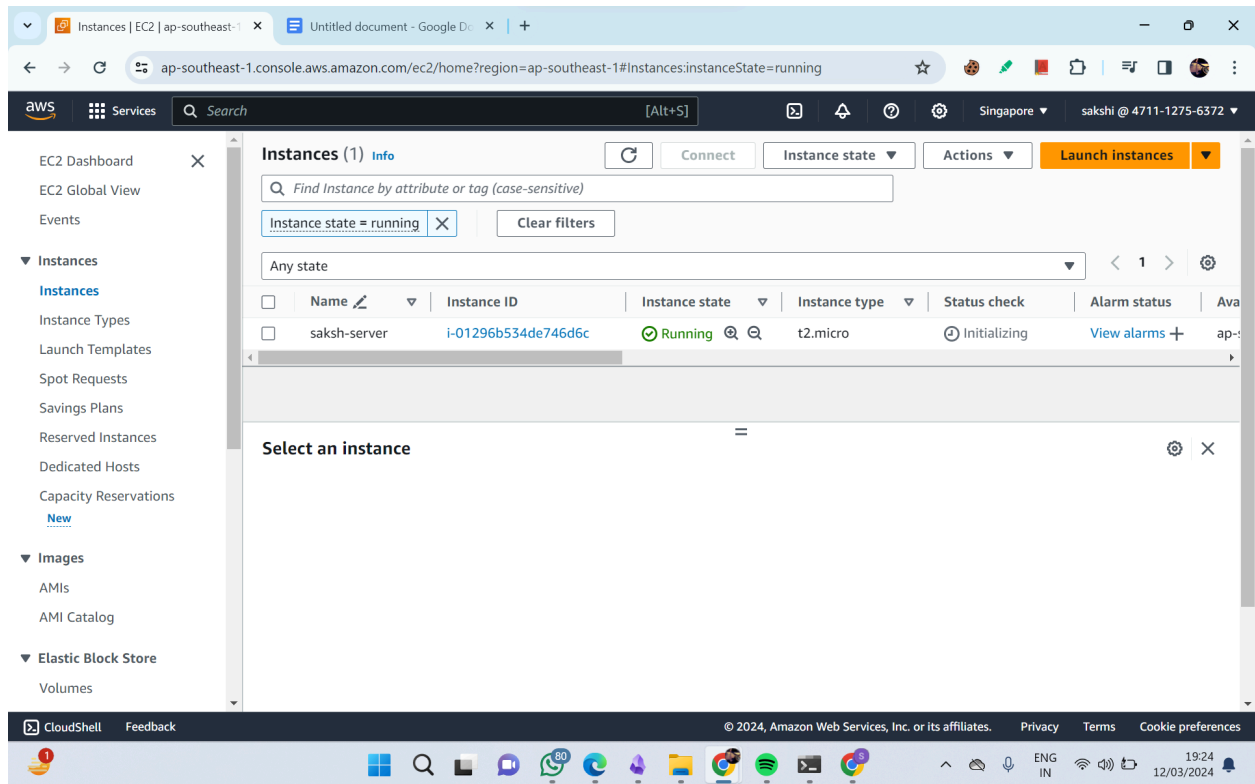
☒ Allow SSH traffic from

Helps you connect to your instance

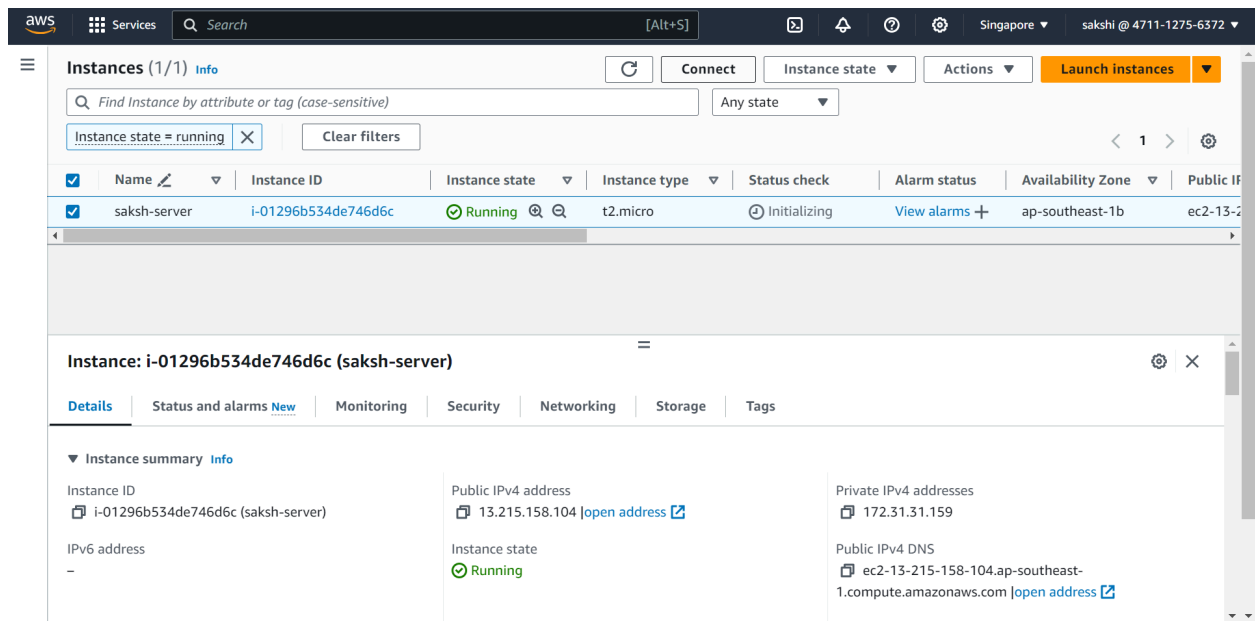
Anywhere
0.0.0.0/0

☐ Allow HTTPS traffic from the Internet

5. Instance launch ek baar check krlena ki hua ya nhi



6. Click on connect



7.

```
#_
~\#### Amazon Linux 2023
~~\_#####\
~~\_###|
~~\_#/ https://aws.amazon.com/linux/amazon-linux-2023
~~V~' '->
~~~~
~~.-./
~/m/'
```

```
[ec2-user@ip-172-31-31-159 ~]$ sudo su
[root@ip-172-31-31-159 ec2-user]# yum update -y
Last metadata expiration check: 0:14:13 ago on Tue Mar 12 13:54:47 2024
Dependencies resolved.
Nothing to do.
Complete!
[root@ip-172-31-31-159 ec2-user]#
```

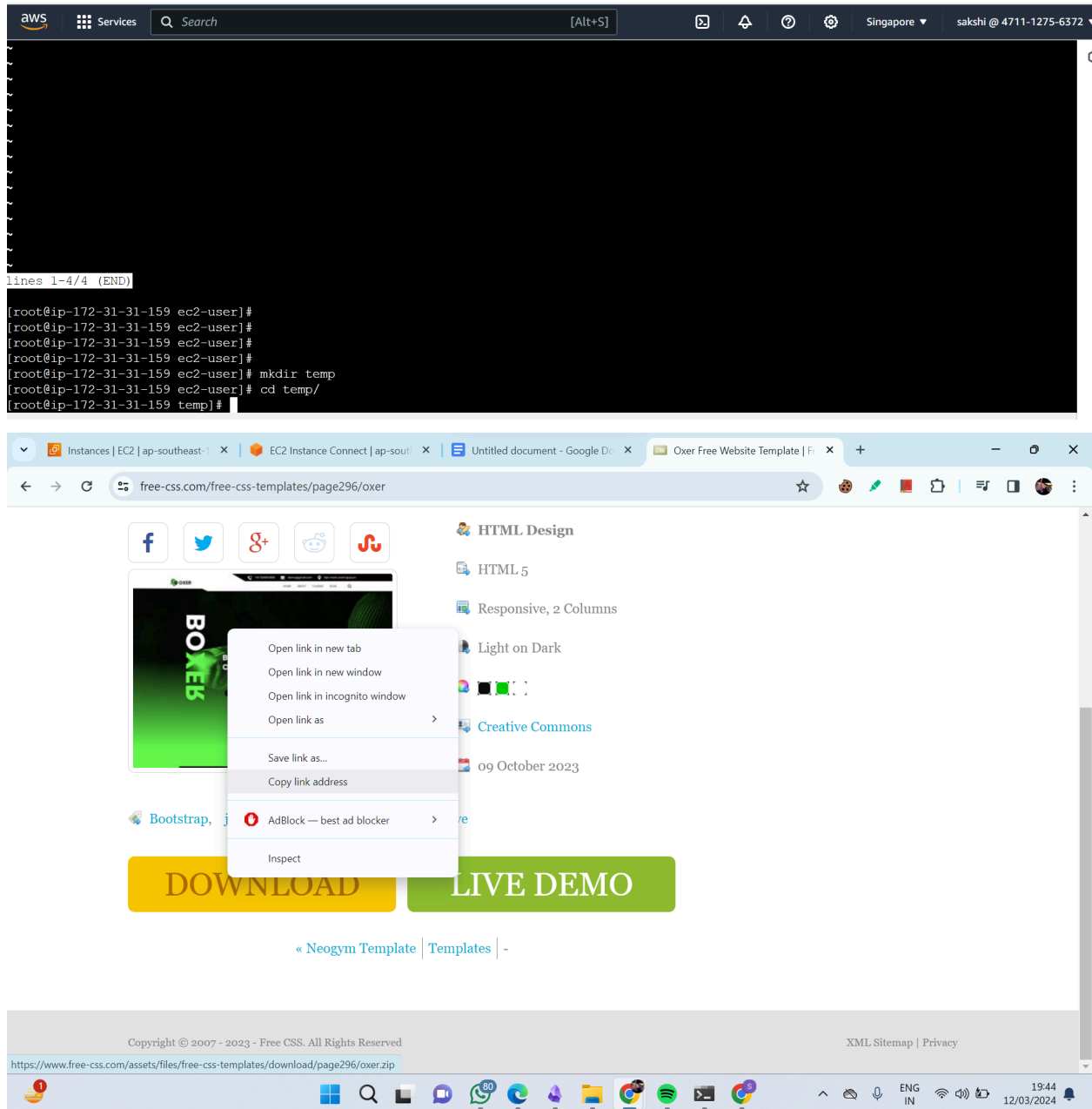
8. Install httpd

```
aws AWS Console Home
ec2-user@ip-172-31-31-159 ~]$ sudo su
root@ip-172-31-31-159 ec2-user]# yum update -y
Last metadata expiration check: 0:14:13 ago on Tue Mar 12 13:54:47 2024
Dependencies resolved.
Nothing to do.
Complete!
root@ip-172-31-31-159 ec2-user]# yum install -y httpd
Last metadata expiration check: 0:15:08 ago on Tue Mar 12 13:54:47 2024
Dependencies resolved.
=====
Package                Arch    Version                               Repository    Size
=====
Installing:
httpd                  x86_64  2.4.58-1.amzn2023                    amazonlinux   47 k
Installing dependencies:
apr                    x86_64  1.7.2-2.amzn2023.0.2                 amazonlinux   129 k
apr-util               x86_64  1.6.3-1.amzn2023.0.1                 amazonlinux   98 k
=====
```

9 check status

```
[root@ip-172-31-31-159 ec2-user]# systemctl status httpd
● httpd.service - The Apache HTTP Server
   Loaded: loaded (/usr/lib/systemd/system/httpd.service; disabled; >
   Active: inactive (dead)
     Docs: man:httpd.service(8)
...skipping...
● httpd.service - The Apache HTTP Server
   Loaded: loaded (/usr/lib/systemd/system/httpd.service; disabled; >
   Active: inactive (dead)
     Docs: man:httpd.service(8)
```

10. Make a directory then folder then use the website from free css and copy its address



11. wget <link that copied>

```

[root@ip-172-31-31-159 ec2-user]#
[root@ip-172-31-31-159 ec2-user]#
[root@ip-172-31-31-159 ec2-user]#
[root@ip-172-31-31-159 ec2-user]#
[root@ip-172-31-31-159 ec2-user]# mkdir temp
[root@ip-172-31-31-159 ec2-user]# cd temp/
[root@ip-172-31-31-159 temp]# wget https://www.free-css.com/assets/files/free-css-templates/download/page296/oxer.zip
--2024-03-12 14:15:53-- https://www.free-css.com/assets/files/free-css-templates/download/page296/oxer.zip
Resolving www.free-css.com (www.free-css.com)... 217.160.0.242, 2001:8d8:100f:f000::28f
Connecting to www.free-css.com (www.free-css.com)|217.160.0.242|:443... connected.
HTTP request sent, awaiting response... 200 OK
Length: 1703902 (1.6M) [application/zip]
Saving to: 'oxer.zip'

```

12. Use `ls -lrt` then unzip the file

```

aws Services 🔍 ⓘ ⚙️ Singa ▼ sakshi @ 4711-12 ▼
2024-03-12 14:15:57 (798 KB/s) - 'oxer.zip' saved [1703902/1703902]

[root@ip-172-31-31-159 temp]# ls -lrt
total 1664
-rw-r--r--. 1 root root 1703902 Aug 20 2021 oxeer.zip
[root@ip-172-31-31-159 temp]# unzip oxeer.zip
Archive:  oxeer.zip
  creating: oxeer-html/
  inflating: oxeer-html/about.html
  inflating: oxeer-html/blog.html
  inflating: oxeer-html/class.html
  creating: oxeer-html/css/
  inflating: oxeer-html/css/bootstrap.css
  inflating: oxeer-html/css/responsive.css
  inflating: oxeer-html/css/style.css
  inflating: oxeer-html/css/style.css.map
  inflating: oxeer-html/css/style.scss
  creating: oxeer-html/images/
  inflating: oxeer-html/images/about-bg.jpg
  inflating: oxeer-html/images/b1.jpg
  inflating: oxeer-html/images/b2.jpg
  inflating: oxeer-html/images/c1.jpg
  inflating: oxeer-html/images/c2.jpg
  inflating: oxeer-html/images/client1.png

```


13. Again check the file using ls -lrt

```
inflating: oxeer-html/images/menu.png
inflating: oxeer-html/images/next-arrow.png
inflating: oxeer-html/images/next-grey.png
inflating: oxeer-html/images/next.png
inflating: oxeer-html/images/play-icon.png
inflating: oxeer-html/images/prev-arrow.png
inflating: oxeer-html/images/prev-grey.png
inflating: oxeer-html/images/prev.png
inflating: oxeer-html/images/quote.png
inflating: oxeer-html/images/right-angle.png
inflating: oxeer-html/images/right-black-arrow.png
inflating: oxeer-html/images/search-icon.png
inflating: oxeer-html/images/telephone.png
inflating: oxeer-html/images/twitter.png
inflating: oxeer-html/images/youtube.png
inflating: oxeer-html/index.html
  creating: oxeer-html/js/
inflating: oxeer-html/js/bootstrap.js
inflating: oxeer-html/js/jquery-3.4.1.min.js
[root@ip-172-31-31-159 temp]# ls -lrt
total 1664
drwxr-xr-x. 5 root root    112 Sep 21  2020 oxeer-html
-rw-r--r--. 1 root root 1703902 Aug 20  2021 oxeer.zip
[root@ip-172-31-31-159 temp]#
```

14.

```
inflating: oxeer-html/images/right-black-arrow.png
inflating: oxeer-html/images/search-icon.png
inflating: oxeer-html/images/telephone.png
inflating: oxeer-html/images/twitter.png
inflating: oxeer-html/images/youtube.png
inflating: oxeer-html/index.html
  creating: oxeer-html/js/
  inflating: oxeer-html/js/bootstrap.js
  inflating: oxeer-html/js/jquery-3.4.1.min.js
[root@ip-172-31-31-159 temp]# ls -lrt
total 1664
drwxr-xr-x. 5 root root    112 Sep 21  2020 oxeer-html
-rw-r--r--. 1 root root 1703902 Aug 20  2021 oxeer.zip
[root@ip-172-31-31-159 temp]# cd oxeer-html
[root@ip-172-31-31-159 oxeer-html]# ls -lrt
total 80
-rw-r--r--. 1 root root 12459 Sep 21  2020 class.html
-rw-r--r--. 1 root root 11164 Sep 21  2020 blog.html
-rw-r--r--. 1 root root  9703 Sep 21  2020 about.html
-rw-r--r--. 1 root root 23696 Sep 21  2020 index.html
drwxr-xr-x. 2 root root   53 Sep 21  2020 js
drwxr-xr-x. 2 root root 16384 Sep 21  2020 images
drwxr-xr-x. 2 root root  105 Sep 21  2020 css
[root@ip-172-31-31-159 oxeer-html]#
```

15. Move files to a different directory

```

drwxr-xr-x. 5 root root    112 Sep 21  2020 oxeer-html
-rw-r--r--. 1 root root 1703902 Aug 20  2021 oxeer.zip
[root@ip-172-31-31-159 temp]# cd oxeer-html
[root@ip-172-31-31-159 oxeer-html]# ls -lrt
total 80
-rw-r--r--. 1 root root 12459 Sep 21  2020 class.html
-rw-r--r--. 1 root root 11164 Sep 21  2020 blog.html
-rw-r--r--. 1 root root  9703 Sep 21  2020 about.html
-rw-r--r--. 1 root root 23696 Sep 21  2020 index.html
drwxr-xr-x. 2 root root   53 Sep 21  2020 js
drwxr-xr-x. 2 root root 16384 Sep 21  2020 images
drwxr-xr-x. 2 root root  105 Sep 21  2020 css
[root@ip-172-31-31-159 oxeer-html]# mv * /var/www/html/
[root@ip-172-31-31-159 oxeer-html]# cd /var/www/html/
[root@ip-172-31-31-159 html]# ls -lrt
total 80
-rw-r--r--. 1 root root 12459 Sep 21  2020 class.html
-rw-r--r--. 1 root root 11164 Sep 21  2020 blog.html
-rw-r--r--. 1 root root  9703 Sep 21  2020 about.html
-rw-r--r--. 1 root root 23696 Sep 21  2020 index.html
drwxr-xr-x. 2 root root   53 Sep 21  2020 js
drwxr-xr-x. 2 root root 16384 Sep 21  2020 images
drwxr-xr-x. 2 root root  105 Sep 21  2020 css
[root@ip-172-31-31-159 html]#

```

16. Copy paste the ip in browser

The screenshot shows the AWS Management Console interface. At the top, there's a navigation bar with the AWS logo, 'Services' link, a search bar, and user information for 'sakshi' in the 'Singapore' region. Below this, the 'Instances (1/1)' page is active, showing a table with one instance: 'saksh-server' (ID: i-01296b534de746d6c) in a 'Running' state, using a 't2.micro' instance type. The instance is located in the 'ap-southeast-1b' availability zone. Below the table, the 'Details' tab for the instance 'i-01296b534de746d6c (saksh-server)' is expanded. It shows the instance summary with the following details:

- Instance ID:** i-01296b534de746d6c (saksh-server)
- Public IPv4 address:** 13.215.158.104 (with a link to 'open address')
- Private IPv4 addresses:** 172.31.31.159
- Instance state:** Running (with a green checkmark icon)
- Public IPv4 DNS:** ec2-13-215-158-104.ap-southeast-1.compute.amazonaws.com (with a link to 'open address')

At the bottom of the console, there's a footer with 'CloudShell', 'Feedback', and copyright information for Amazon Web Services, Inc. or its affiliates, along with links for 'Privacy', 'Terms', and 'Cookie preferences'.

17. Ip will not load, so go to the security grp

The screenshot shows the AWS Management Console interface. At the top, there's a navigation bar with the AWS logo, 'Services', a search bar, and user information. Below this, the 'Instances' page is displayed. A filter is applied: 'Instance state = running'. A table lists instances, with 'saksh-server' (ID: i-01296b534de746d6c) highlighted. Below the table, the details for this instance are shown, with the 'Security' tab selected. It indicates the instance is associated with the security group 'sg-0226057e106e749b8 (launch-wizard-1)'.

18. open the url in another tab

This screenshot shows the 'Security groups' page in the AWS Management Console. The specific security group 'sg-0226057e106e749b8 (launch-wizard-1)' is selected. The 'Inbound rules' tab is active, displaying a search bar for filtering rules and a list of rules below it.

19. Click on edit in bound rules

aws

Services

Singa

sakshi @ 4711-12

EC2 > ... > sg-0226057e106e749b8 - launch-wizard-1

Outbound rules count
1 Permission entry

Inbound rules

Outbound rules

Tags

Inbound rules (1)

Manage tags

Edit inbound rules

Search

< 1 >

| Security group rule... | IP version | Type | P |
|------------------------|------------|------|---|
| 04c4d43a89fa5b59a | IPv4 | SSH | T |

Feedback

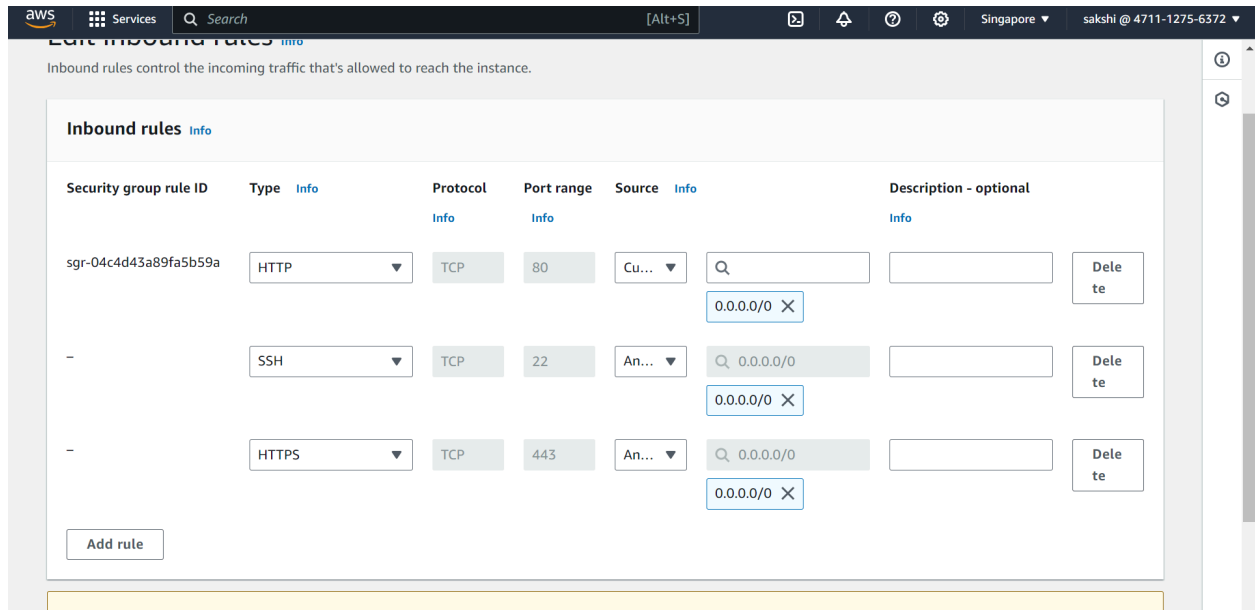
Privacy

Terms

Cookie preferences

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20. Change type to HTTP , then add another rule for https and click on add rule



21. Go to the bash again and type
systemctl enable httpd
systemctl start httpd

Ye sab inbound rules se phle hi krlena, and end mai status check krlena, running ana chaheye

systemctl status httpd