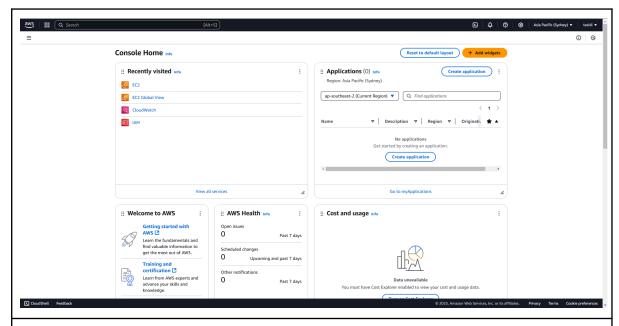
Nama: Rizki Tazidi Zayd

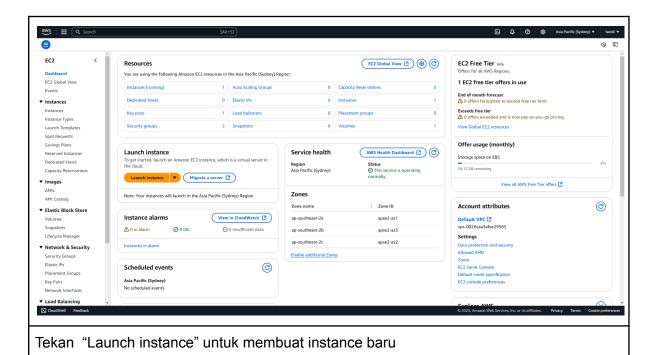
NRP: 152022047

Kelas: BB

https://rizkeyawan.mv.id/



Navigasi ke service EC2 di console AWS dapat dilakukan dengan search dibagian header





Ceklis pada box instance yang sudah dibuat lalu tekan tombol connect yang ada diatas kanan



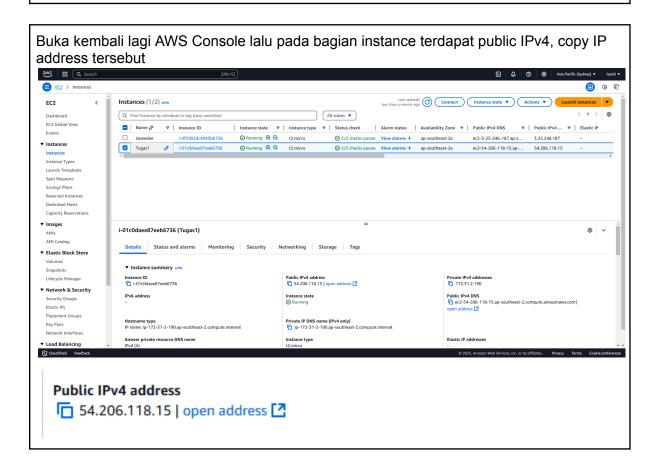
Pilih pada menu SSH Client lalu copy pada baris Example

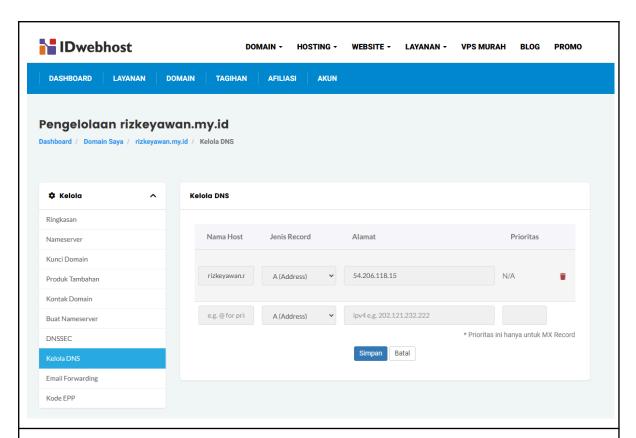
Buka cmd pada directory tempat disimpan file key lalu jalankan ssh yang sudah di copy ssh -i "rizkey1.pem" ec2-user@ec2-54-206-118-15.ap-southeast-2.compute.amazonaws.com

Lalu jika tampilan sudah sama seperti dibawah, maka sudah berhasil masuk ke Amazon Linux nya

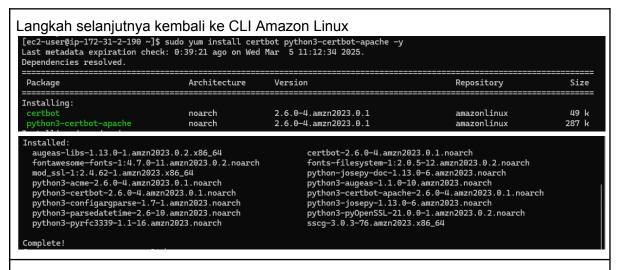
Selanjutnya tambahkan file html untuk ditampilkan pada domain nantinya dengan cara seperti dibawah dengan memasukkan file html ke linux dengan mengetik: scp -i "rizkey1.pem" "D:\!Kuliah\Semester 6\Komputasi Awan\Tugas 1\coba.html" ec2-user@ec2-54-206-118-15.ap-southeast-2.compute.amazonaws.com:~

Setelah itu jalankan **cd /var/www/html/** untuk pindah ke directory tersebut lalu jalankan: sudo mv ~/coba.html /var/www/html/index.html





Memasukkan Public IPv4 address pada penyedia domain. Pada IDwebhost dapat dilakukan pada sub menu Kelola DNS. opsi lain yang lebih mudah anda dapat melakukannya menggunakan Duck DNS



Lalu install Certbot dengan perintah: sudo yum install certbot python3-certbot-apache -y

```
[ec2-user@ip-172-31-2-190 ~]$ sudo certbot —apache
Saving debug log to /var/log/letsencrypt/letsencrypt.log
Enter email address (used for urgent renewal and security notices)
(Enter 'c' to cancel): rizki.tazidi@gmail.com

Please read the Terms of Service at
https://letsencrypt.org/documents/LE-SA-v1.5-February-24-2025.pdf. You must
agree in order to register with the ACME server. Do you agree?

(Y)es/(N)o: y

Would you be willing, once your first certificate is successfully issued, to
share your email address with the Electronic Frontier Foundation, a founding
partner of the Let's Encrypt project and the non-profit organization that
develops Certbot? We'd like to send you email about our work encrypting the web,
EFF news, campaigns, and ways to support digital freedom.

(Y)es/(N)o: y
Account registered.
Please enter the domain name(s) you would like on your certificate (comma and/or
space separated) (Enter 'c' to cancel): rizkeyawan.my.id
Requesting a certificate for rizkeyawan.my.id
Requesting a certificate for rizkeyawan.my.id
Unable to find a virtual host listening on port 80 which is currently needed for Certbot to prove to the CA that you con
trol your domain Please add a virtual host far port 80
Ask for help or search for solutions at https://community.letsencrypt.org. See the logfile /var/log/letsencrypt/letsencr
ypt.log or re-run Certbot with -v for more details.

[ec2-user@ip-172-31-2-190 ~]$
```

*Disarankan untuk dilewati

Jika sudah berhasil install certbot lalu jalankan perintah:

Sudo certbot --apache (akan terjadi error karena belum dibuatkan config seperti pada gambar selanjutnya)

Jalankan perintah sudo nano /etc/httpd/conf.d/rizkeyawan.my.id.conf

Setelah jalankan perintahnya lalu copy teks dibawah:

<VirtualHost *:80>

ServerName yourdomain.com ServerAlias www.yourdomain.com DocumentRoot /var/www/html

<Directory /var/www/html>
AllowOverride All

</Directory>

ErrorLog /var/log/httpd/error.log
CustomLog /var/log/httpd/access.log combined

</VirtualHost>

Setelah itu tekan ctrl+x, y, enter

Jalankan lagi sudo certbot --apache -d rizkeyawan.my.id -> langsung saja masukkan nama domainnya

```
[ec2-user@ip-172-31-2-190 ~]$ sudo systemctl restart httpd
[ec2-user@ip-172-31-2-190 ~]$ sudo systemctl status httpd

• httpd.service - The Apache HTTP Server

Loaded: loaded (/usr/lib/systemd/system/httpd.service; enabled; preset: disabled)

Active: active (running) since Wed 2025-03-05 12:03:23 UTC; 24s ago

Docs: man:httpd.service(8)

Main PID: 31248 (httpd)

Status: "Total requests: 4; Idle/Busy workers 100/0; Requests/sec: 0.211; Bytes served/sec: 738 B/sec"

Tasks: 230 (limit: 1111)

Memory: 17.8M

CPU: 85ms

CGroup: /system.slice/httpd.service

-31248 /usr/sbin/httpd -DFOREGROUND
-31250 /usr/sbin/httpd -DFOREGROUND
-31251 /usr/sbin/httpd -DFOREGROUND
-31251 /usr/sbin/httpd -DFOREGROUND
-31251 /usr/sbin/httpd -DFOREGROUND
-31251 /usr/sbin/httpd -DFOREGROUND
-31292 /usr/sbin/httpd -DFOREGROUND
-31293 /usr/sbin/httpd -DFOREGROUND
-31293 /usr/sbin/httpd -DFOREGROUND
-31293 /usr/sbin/httpd -DFOREGROUND
-31251 /usr/sbin/httpd -DFOREGROUND
-31251 /usr/sbin/httpd -DFOREGROUND
-31253 /usr/sbin/httpd -DFOREGROUND
-31254 /usr/sbin/httpd -DFOREGROUND
-31254 /usr/sbin/httpd -DFOREGROUND
-31255 /usr/sbin/httpd -DFOREGROUND
-31250 /usr/
```

Pada tahap akhir lakukan sudo systemctl restart httpd dan sudo systemctl status httpd. Langkah ini dilakukan untuk me-restart layanan Apache (httpd) setelah mengubah konfigurasi, termasuk setelah mengedit ssl.conf. Lalu pada status untuk mengecek status layanan Apache HTTP Server (httpd) berjalan normal atau tidak

Setelah selesai semua tahapan maka mengamankan Aplikasi dengan HTTPS berhasil dan juga sudah tidak akan muncul peringatan di browser.

https://rizkeyawan.my.id/