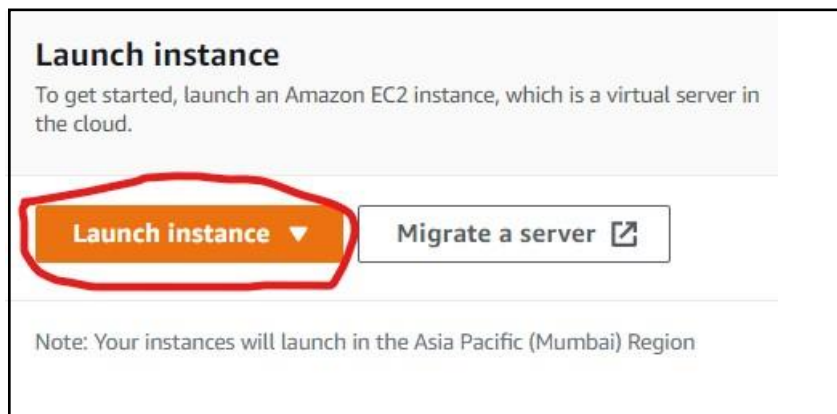
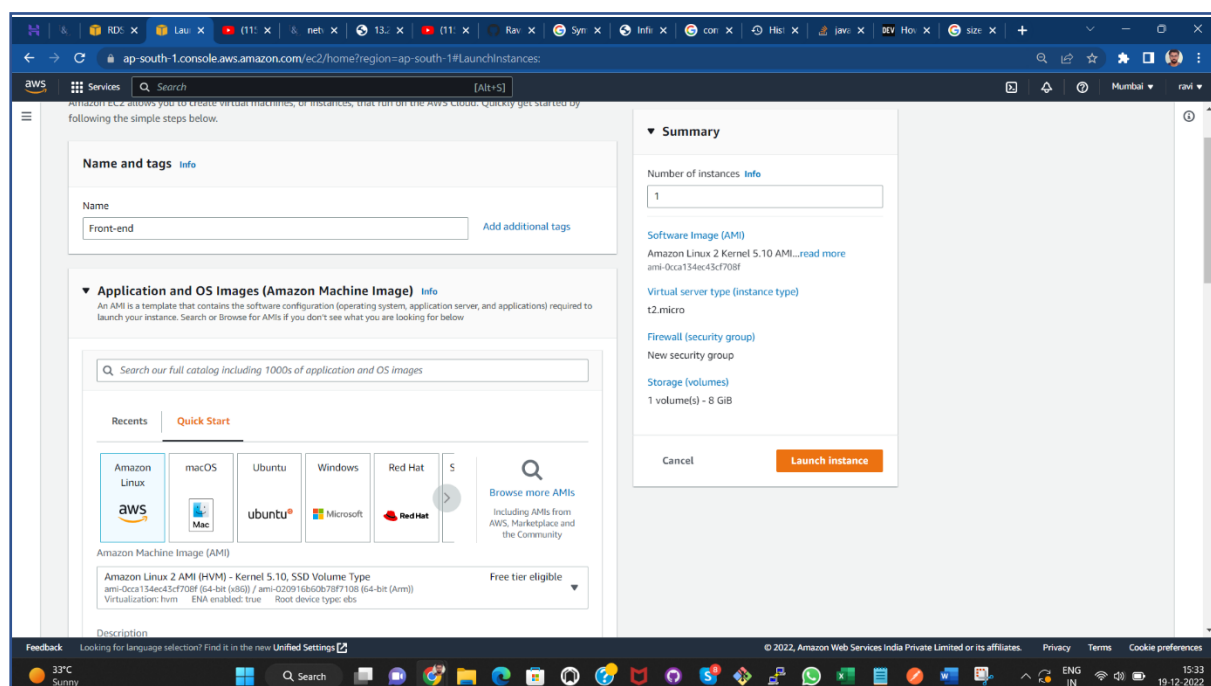


Title: Live Vue.js Front-end (serve project) project in Aws Ec2-Instance.

Step1: Open Ec2 and launch instance using option “Launch Instance.”



Step2: Give name that instance what you want and select ‘Ubuntu’ OS in “Application and OS Images (Amazon Machine Image)” option.



Step3: Select Instance Type (Instance types comprise varying combinations of CPU, memory, storage, and networking capacity and **give you the flexibility to choose the appropriate mix of resources for your applications.**) as per your website requirement, then select “key pair(login)” if you have one or create new one using “create new key pair” option.

▼ Instance type
Info

Instance type

t2.micro

Family: t2
1 vCPU
1 GiB Memory
On-Demand Linux pricing: 0.0124 USD per Hour
On-Demand Windows pricing: 0.017 USD per Hour

Free tier eligible

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

key2

▼

Create new key pair

- For how to create keypair see documentation of “Front-end quasar project live” after step3 in it.

Step4:

Network setting> Firewall (security groups) select “**Create security group**” if you don’t have one or if you already created security group select “**Select existing security group**” and then select the name of security group you created.

For “**Create security group**” option select check-box of “**Allow SSH traffic from, Allow HTTPS traffic from the internet, Allow HTTP traffic from the internet**”.

▼ Network settings
Info

Edit

Network Info

vpc-03b5c60ef60ab7bd5

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-3' 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

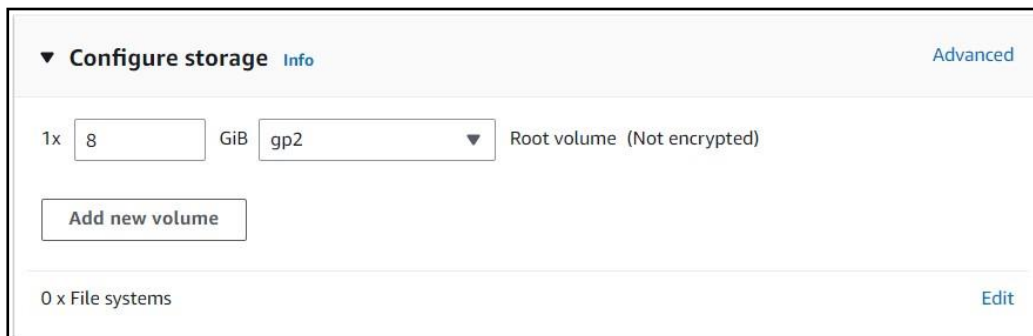
To set up an endpoint, for example when creating a web server

☒ Allow HTTP traffic from the internet

To set up an endpoint, for example when creating a web server

Step5:

In **“Configure Storage”** select size of storage as per limitation of EBS volume type. (Here I take 8gb in **gp2** EBS volume type, which’s limitation is up to 30gb for free tier eligible account.)



▼ **Configure storage** [Info](#) [Advanced](#)

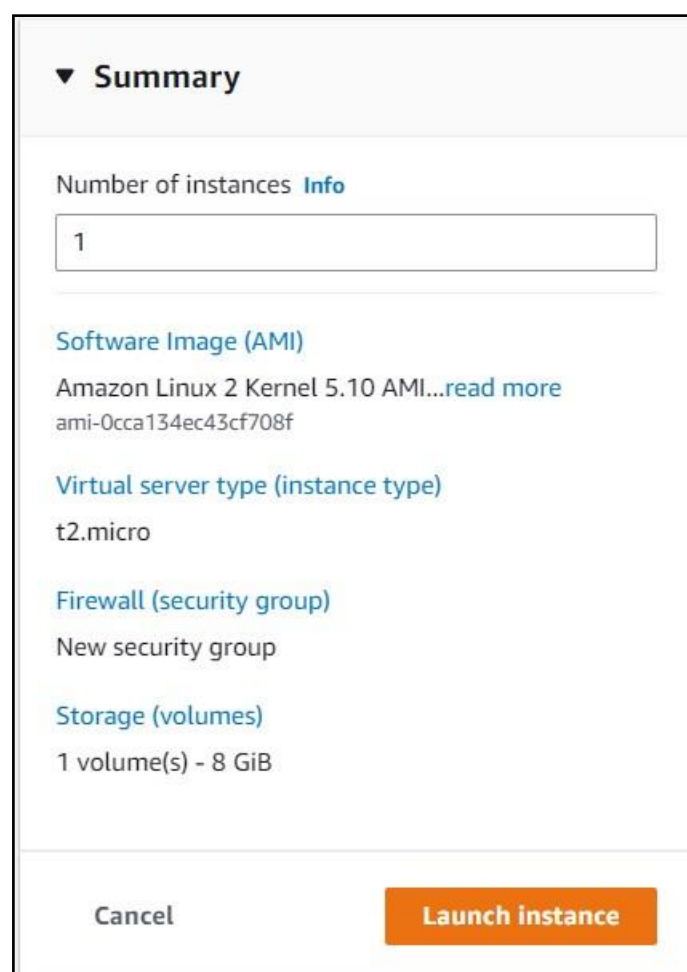
1x GiB ▼ Root volume (Not encrypted)

[Add new volume](#)

0 x File systems [Edit](#)

Step6:

Select **“Launch instance”** and launch it.



▼ **Summary**

Number of instances [Info](#)

[Software Image \(AMI\)](#)

Amazon Linux 2 Kernel 5.10 AMI...[read more](#)
ami-0cca134ec43cf708f

[Virtual server type \(instance type\)](#)

t2.micro

[Firewall \(security group\)](#)

New security group

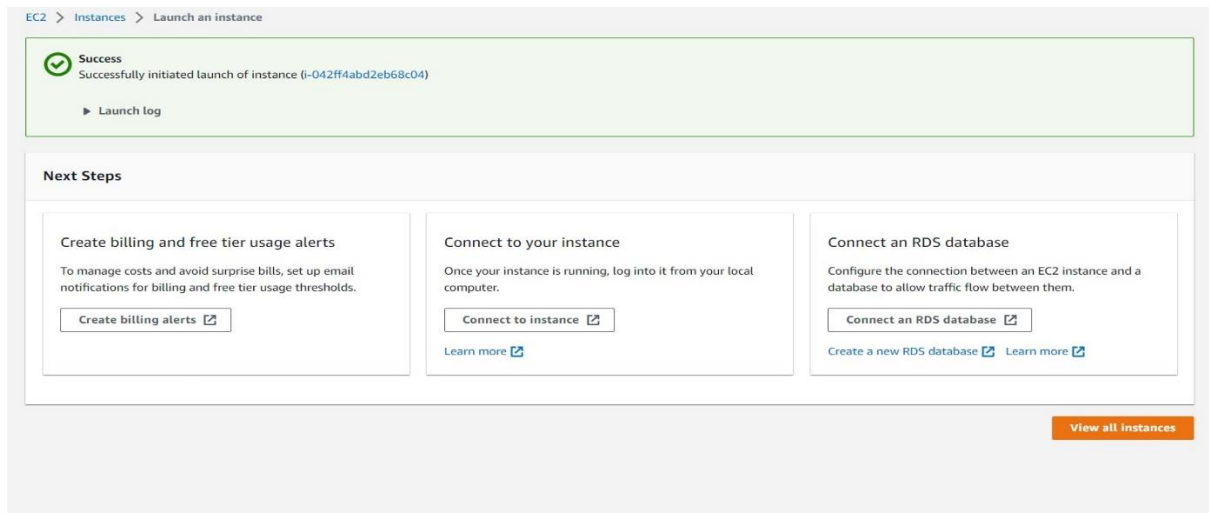
[Storage \(volumes\)](#)

1 volume(s) - 8 GiB

[Cancel](#) [Launch instance](#)

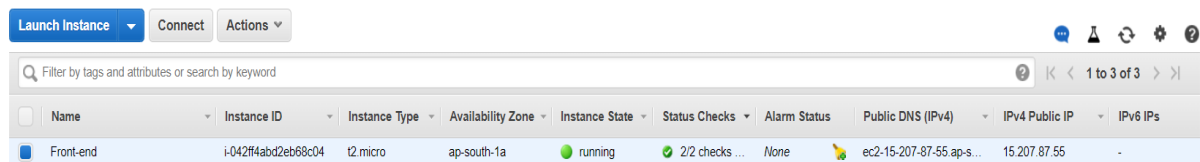
Step7:

Choose **“View all Instances”**



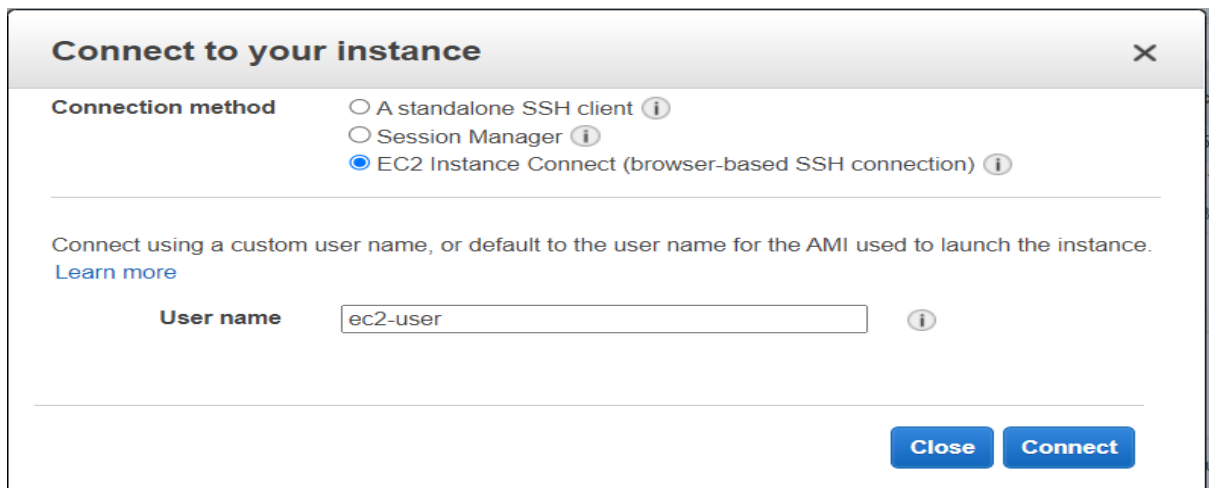
Step8:

Choose Option “**Connect**” after the “**Status Checks**” shows “**2/2checks**”.



Step9:

Choose “**EC2 Instance Connect (browser-based SSH connection)**” and select “**Connect**” option.



Step 10:

This type of interface is open.

```
aws Services [search] [Alt+S] Select a Region InfinityBrains
EC2 RDS
You have been redirected to the latest browser-based EC2 Instance Connect experience. Please update your bookmark to this URL. The redirect from the old bookmark will not be supported in the near future.
Welcome to Ubuntu 22.04.1 LTS (GNU/Linux 5.15.0-1026-aws x86_64)
* Documentation:  https://help.ubuntu.com
* Management:    https://landscape.canonical.com
* Support:        https://ubuntu.com/advantage

System information as of Mon Jan  2 08:42:17 UTC 2023

System load:  0.0               Processes:    123
Usage of /:   43.3% of 7.57GB   Users logged in:  0
Memory usage: 33%             IPv4 address for eth0: 172.31.35.214
Swap usage:   0%

* Ubuntu Pro delivers the most comprehensive open source security and compliance features.
https://ubuntu.com/aws/pro

11 updates can be applied immediately.
To see these additional updates run: apt list --upgradable

Last login: Mon Jan  2 04:55:59 2023 from 13.233.177.4
ubuntu@ip-172-31-35-214:~$
```

Now, first give following cmds :

`sudo su`

`sudo apt-get update`

- Active git using following cmd:

`git init`

- Create ssh key using following cmd in terminal

`ssh-keygen`

or

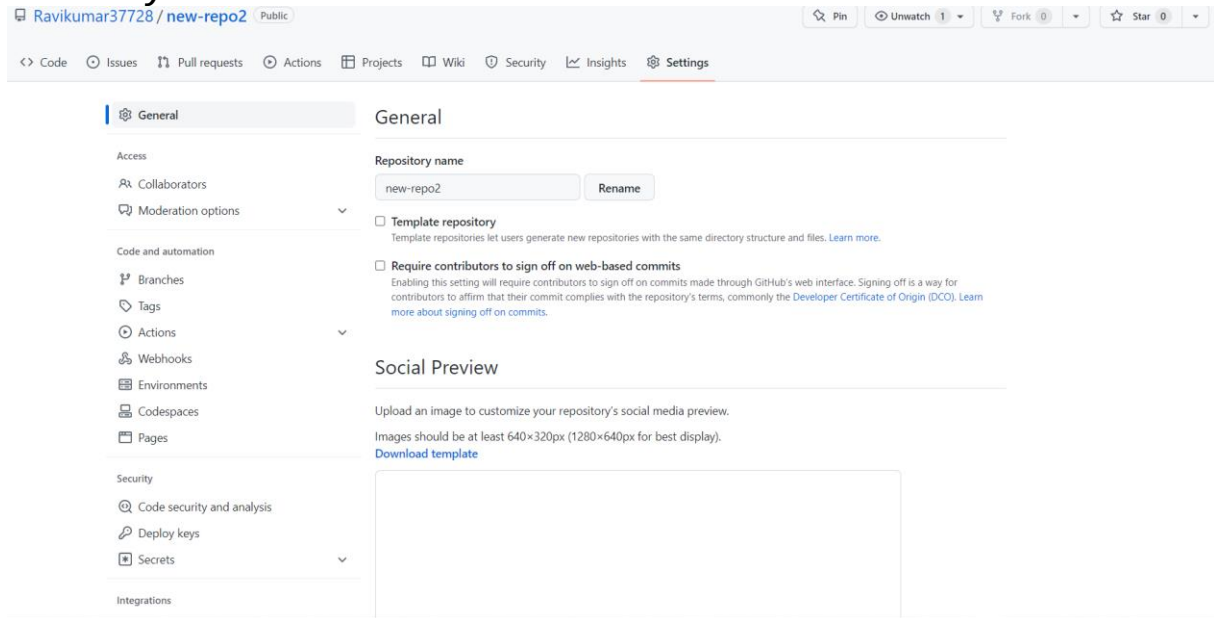
`ssh-keygen -t ed25519 -C "mailto:youremailaddress@domain.tld DAY-MONTH-YEAR" -f ~/.ssh/my_key`

- Use below shown cmd and then copy “id_rsa.pub” text data which have been shown below:

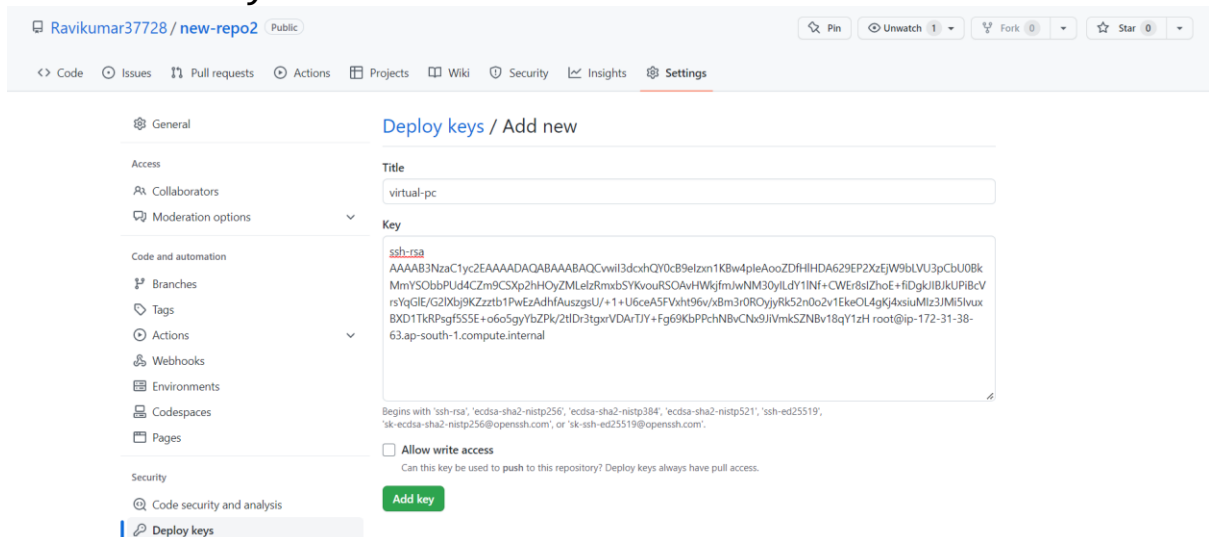
`cat ~/.ssh/id_rsa.pub`

```
Amazon Linux 2 AMI
https://aws.amazon.com/amazon-linux-2/
ec2-user@ip-172-31-38-63 ~$ sudo su
root@ip-172-31-38-63 ec2-user# ssh-keygen
Generating public/private rsa key pair.
Enter file in which to save the key (/root/.ssh/id_rsa):
Enter passphrase (empty for no passphrase):
Enter same passphrase again:
Your identification has been saved in /root/.ssh/id_rsa.
Your public key has been saved in /root/.ssh/id_rsa.pub.
The key fingerprint is:
SHA256:gDfB5H2wZqRzm6wt3vnx/85mAoyfDvRfC3+HXATbDU root@ip-172-31-38-63.ap-south-1.compute.internal
The key's randomart image is:
+--[RSA 2048]-----+
  .  .E.
  .  O O = .
+ O O . O + .
B = oo
. = So.
.. *O..
o+..+ O
. O+OO O ..
+=+..O.O..+
+-----[SHA256]-----+
root@ip-172-31-38-63 ec2-user# cat ~/.ssh/id_rsa.pub
cat: /root/.ssh/id_rsa.pub: No such file or directory
root@ip-172-31-38-63 ec2-user# cat ~/.ssh/id_rsa.pub
ssh-rsa AAAAB3NzaC1yc2EAAAADAQABAAQCAwEIA3dchQY0cB9eIzn1KBw4PieAooZDfH1HDA629EP2XzEjW9bLVU3pCbU08MmYSobF0d4CZm9CSXp2hOyZMLelZrmxbSYKvouRSoAvHWkjfmJWNM30yILdYl1Nf+CWEr8sIZhoE+fidgkJIBJ
0UE1BcVrsYqG1E/G21XbJ9KZzztBlPwEzAdhfauszgsU/+1U6ceA5FVxht96v/xBm3r0R0yYjRkS2n0e2v1Eke0L4gKj4xsiuMI23Mi5IvuxBXD1TKRPSgf5SSE+o6o5gyYbEPK/2t1Dr3tqxvDARtUJY+Fg69KdFPChNBVCNX9JiVmKS2NBv18qY1zE
root@ip-172-31-38-63 ap-south-1.compute.internal
root@ip-172-31-38-63 ec2-user#
```

- Paste it in git-hub source code repo.>settings>Deploy Keys.



- Paste copied text in there and named it. Then press “Add key”



Your key is ssh key is now added in git hub repo.

Step 11:

- Give following cmd for activate github repo in ec2.

`ssh git@github.com`

- Type “yes” in connecting
- Now git hub is successfully connected to your ec2 insatncs.

- Give following cmds:
`sudo apt-get install apache2`

`sudo systemctl status apache2`

NOTE: Now, if you're using a firewall, it is necessary to establish a rule in the Firewall so that Apache can run smoothly. If you have no firewall installed, feel free to skip this step

`sudo ufw allow "Apache Full"`

- Open IPv4 public Ip on browser, this type of interface is open.



- Fire following cmds:

`cd /var/www/html`

`sudo apt install php libapache2-mod-php php-mbstring php-xmlrpc php-soap php-gd php-xml php-cli php-zip php-bcmath php-tokenizer php-json php-pear`

`sudo apt-get install php8.1-mysql`

`apt-get update`

`sudo apt-get install mysql-server`

`curl -o- https://raw.githubusercontent.com/nvm-sh/nvm/v0.34.0/install.sh | bash`

`. ~/.nvm/nvm.sh`

`nvm install 16`

- Remove index.html, which is create when we install apache2.

`rm -rf index.html`

- Now add ssh link in your following cmd and fire it in terminal

`git init`

`git remote add origin (ssh link)`

e.g.

`git remote add origin git@github.com:Ravikumar37728/new-repo2.git`

- Now use following cmd for pull codes in ec2 on path `var/www/html`.

`git pull origin Master`

or

`git pull origin main`

NOTE: main or master or other branch is depended upon which branch code you want to pull from git-hub repo.

- Now fire following cmds:

`npm i npm@latest -g`

`// npm install --legacy-peer-deps`

`npm i @vue/cli-service --legacy-peer-deps`

- fire following cmd:

`sudo nano /etc/apache2/sites-available/000-default.conf`

- add path in “DocumentRoot” `/var/www/html/` to `/var/www/html/dist`
- add given below data just above the `</VirtualHost>` as we can see in fig.

`<Directory “/var/www/html”>`

`Options Indexes FollowSymLinks MultiViews`

`AllowOverride All`

`Require all granted`

`</Directory>`

- fire following cmds

`sudo a2enmod rewrite`

sudo service apache2 restart

```
sudo apt update  
sudo apt upgrade
```

```
sudo apt install software-properties-common  
sudo add-apt-repository ppa:ondrej/php  
sudo apt update
```

```
sudo apt install php8.1-fpm php8.1-common php8.1-mysql php8.1-xml php8.1-xmlrpc  
php8.1-curl php8.1-gd php8.1-imagick php8.1-cli php8.1-dev php8.1-imap php8.1-  
mbstring php8.1-soap php8.1-zip php8.1-bcmath -y
```

then fire following cmd:

```
nano /etc/apache2/apache2.conf
```

- go to the very bottom and paste this

```
<Directory "/var/www/html">  
  
    AllowOverride All  
  
</Directory>
```

- restart the apache2 service using below cmd.

service apache2 restart

- now browse ec2 IPv4 and your project is live.