Frontend server:

login to server :

ssh root@172.20.12.15

password: artoon

cd /var/www/html

git clone (repo url)

git checkout (switch to dev branch)

git pull

check package.json (.evn name && build command)

nano .env.dev (add credentials given by developer)

node -v

nvm list-remote

nvm install v16.13.1

nvm use v16.13.1   (choose node version given by developer)

npm install   (npm install --legacy-peer-deps)

npm run build:dev

mv build build_live (change build file name)

cd build_live

pwd

cd /etc/apache2/sites-available

cd -r <any-file-name> chess-cms.artoon.conf

nano chess-cms.artoon.conf

```
<VirtualHost *:80>
    ServerAdmin akshay.dhakane@artoon.in
    ServerName chess-cms.artoon.in
    RedirectPermanent / https://chess-cms.artoon.in
    DocumentRoot /var/www/html/dev/virtual-chess-cms/build_live
    ErrorLog ${APACHE_LOG_DIR}/chess-cms-react.js-error.log
    CustomLog ${APACHE_LOG_DIR}/chess-cms-react.js-access.log combined
</VirtualHost>

<VirtualHost *:443>
    ServerAdmin akshay.dhakane@artoon.in
    DocumentRoot /var/www/html/dev/virtual-chess-cms/build_live
    ServerName chess-cms.artoon.in
SSLEngine on
SSLCertificateFile /etc/ssl/final.crt
SSLCertificateKeyFile /etc/ssl/server.key
SSLCertificateChainFile /etc/ssl/intermediate.crt

    <Directory /var/www/html/dev/virtual-chess-cms/build_live >
        Options FollowSymLinks MultiViews
```

```
            AllowOverride All
            Order allow,deny
            allow from all
        </Directory>
      ErrorLog ${APACHE_LOG_DIR}/chess-cms-react.js-ssl-error.log
      CustomLog ${APACHE_LOG_DIR}/chess-cms-react.js-ssl-access.log common
  </VirtualHost>
```

apache2ctl configtest (to test syntax of config file is proper)

a2ensite chess-cms.artoon.conf (enable)

service apache2 restart

----

login virtual host server:

ssh root@172.20.12.5

password: ArtoonServer2#

cd /etc/apache2/sites-available

cp -r yahtzee-cms-react.js.conf chess-cms.artoon.conf

nano chess-cms.artoon.conf

```
<VirtualHost *:443>
    ServerName chess-cms.artoon.in

    <Proxy *>
      Order deny,allow
      Allow from all
    </Proxy>


SSLEngine on
SSLProxyEngine on
SSLProxyVerify none
SSLProxyCheckPeerCN off
SSLProxyCheckPeerName off
SSLProxyCheckPeerExpire off


#   SSLCertificateFile /etc/ssl/artoon.crt
#   SSLCertificateKeyFile /etc/ssl/artoon.key
SSLCertificateFile /etc/ssl/final.crt
SSLCertificateKeyFile /etc/ssl/server.key
SSLCertificateChainFile /etc/ssl/intermediate.crt
```

```
    ProxyRequests Off

    ProxyPreserveHost On

    ProxyPass / https://chess-cms.artoon.in/

    ProxyPassReverse / https://chess-cms.artoon.in/


    ErrorLog ${APACHE_LOG_DIR}/chess-cms-react.js-error.log

    CustomLog ${APACHE_LOG_DIR}/chess-cms-react.js-access.log combined

  </VirtualHost>
```

save

apache2ctl configtest

a2ensite chess-cms-artoon.conf

service apache2 reload

nano /etc/hosts   (DNS entry)

172.20.12.15   chess-cms-artoon.in

save

----

open git-lab

settings - general - visiblity - ci-cd on

CI-CD - runner - on   (it is like webhooks, after

CI-CD - variable - add - usr && password ----- PRIVATE   PRIVATE-TOKEN:

pwd   Ag8tYrU8rI0dLvW

TOKEN   VUQaJhg2AcmbfLAUK1Nr

usr   root

 CI-CD - editor -

```
stages:
  - deploy

deploy_development:
  stage: deploy
  tags:
    - new-dev-server
  environment:
    name: development
    url: https://chess-cms.artoon.in/
  before_script:
    - eval export PATH=/root/.nvm/versions/node/v16.19.0/bin:${PATH}
  script:
    - pwd
    - npm install --legacy-peer-deps
    - cp /var/www/html/dev/virtual-chess-cms/.env.dev .
    - CI= npm run-script build:dev
    - cp -r build/* /var/www/html/dev/virtual-chess-cms/build_live/
    - cp /var/www/html/htaccess /var/www/html/dev/virtual-chess-cms/build_live/.htaccess
```

```
    when: manual
    only:
      - development
```

TARGET BRANCH: < check the branch properly >

run

---TO bhavin sir: Add DNS 172.20.12.15 - chess-cms.artoon.in

---send DNS to developer: chess-cms-artoon.in Please check this URL

---delete all files exept : build_live &&& .env.dev