**EC2 Instance Setup Commands to launch a website in AWS  
  
Connect to EC2**

- chmod 400 ironclad-farhan.pem

- ssh -i sample-key.pem [ubuntu@ec2-43-12-143-3.us-west-2.compute.amazonaws.com](mailto:ubuntu@ec2-43-12-143-3.us-west-2.compute.amazonaws.com)

**Instance**

sudo apt update (Update Instance)

**Install NodeJS** (v14)

- curl -sL https://deb.nodesource.com/setup\_14.x | sudo bash -

- cat /etc/apt/sources.list.d/nodesource.list

- sudo apt -y install nodejs

- node —version

**Install MySQL** (Latest)

- sudo apt install mysql-server

- sudo service mysql status

- sudo mysql

- ALTER USER 'root'@'localhost' IDENTIFIED WITH mysql\_native\_password by 'admin\_Ironclad\_2022'; (If doesn’t work, type it instead copying and pasting)

- exit;

- sudo mysql\_secure\_installation

- sudo mysql -u root -p & put password admin\_Ironclad\_2022

- create database ironclad\_db\_portal

**Install PM2**

- sudo npm install -g pm2

- sudo pm2 startup systemd

**Install Nginx**

- sudo apt-get install -y nginx

- sudo ufw allow OpenSSH

- sudo ufw allow 'Nginx Full'

- sudo ufw --force enable

**Install Yarn**

- curl -sS https://dl.yarnpkg.com/debian/pubkey.gpg | sudo apt-key add -

- echo "deb https://dl.yarnpkg.com/debian/ stable main" | sudo tee /etc/apt/sources.list.d/yarn.list

- sudo apt update && sudo apt install --no-install-recommends yarn

**Setup project from git**

- Commands might change depending on your project setup

- cd ../../

- sudo mkdir app, mkdir portal

- sudo git clone<https://gitlab.com/ironclad-investments/ironclad-investments.git>

- git config --global --add safe.directory /app/ironclad-investments

- cd ironclad-investments

- sudo git checkout prod-portal

- cd server, sudo npm i (or sudo yarn)

- sudo npm run prisma-wohoo

- sudo npm start, Control-C

- sudo pm2 start dist/index.js

- cd ../client

- sudo npm i (or sudo yarn)

**NPM I takes too long (if)**

-<https://github.com/microsoft/WSL/issues/7254>

**Build files location & copy build**

- go to root folder & cd home/

- sudo mkdir app-deploy

- sudo mkdir portal

- sudo cp -r app/portal/ironclad-investments/client/build/ home/app-deploy/portal/

**NGINX Setup**

- cd etc/nginx/sites-available/

- sudo rm -r default , cd ../sites-enabled/ , rm -r default (remove default nginx conf)

- cd ../sites-available/

- sudo nano portal & put config :

*server {*

*listen 80 default\_server;*

*server\_name ip portal.ironcladinvestments.co.uk ww.portal.ironcladinvestments.co.uk;*

*root /home/app-deploy/portal/build;*

*index index.html indexmhtm;*

*location / {*

*try\_files $uri /index.html;*

*}*

*location /api {*

*proxy\_pass https://api.ironcladinvestments.co.uk; (Or http://localhost:4000)*

*proxy\_http\_version 1.1;*

*proxy\_set\_header Upgrade $http\_upgrade;*

*proxy\_set\_header Connection 'upgrade';*

*proxy\_set\_header Host $host;*

*proxy\_cache\_bypass $http\_upgrade;*

*}*

*}*

- save it (ctl x, y, enter)

- sudo nano api-portal & put config :

*server {*

*server\_name ip api.ironcladinvestments.co.uk ww.api.ironcladinvestments.co.uk;*

*location / {*

*proxy\_pass http://localhost:4000;*

*proxy\_http\_version 1.1;*

*proxy\_set\_header Upgrade $http\_upgrade;*

*proxy\_set\_header Connection 'upgrade';*

*proxy\_set\_header Host $host;*

*proxy\_cache\_bypass $http\_upgrade;*

*}*

*}*

- save it (ctl x, y, enter)

- cd ../sites-enabled/

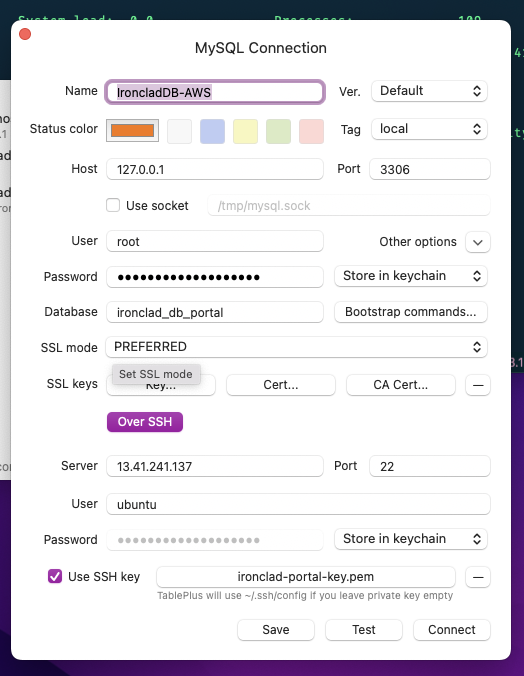
- sudo ln -fs ../sites-available/portal

- sudo ln -fs ../sites-available/api-portal

- sudo nginx -t

- sudo systemctl restart nginx

**Add SSL Certification Video URL :** <https://www.youtube.com/watch?v=R5d-hN9UtpU>

**Connect To VPS Database (MYSQL, TablePlus Setup) :** Change ubuntu to root  
If you are using DigitalOcean ****