1. Create a new instance.
   - Application and OS Images (Amazon Machine Image) – select Amazon Linux and 64-bit Architecture, AMI ID.
   - Create a New Key Pair with a random name and select. ppk as private key file format. Click on Create key pair (file fill gets auto download).
   - Check to Allow SSH traffic from & Allow HTTPS traffic from the internet.
   - Click on launch instance.
2. Connection Instance with Putty
   - Download Putty and extract it.
   - Click on top of the instance Id from Newley created instance.
   - Copy the Public IPv4 DNS address and paste it in the putty Host Name (or IP address)
   - Expand SSH left panel in putty.
   - Expand the Auth panel under SSH in Putty
   - Click on Credentials
   - Click on browse for the Private key file for authentication.
   - Upload the ppk file which was downloaded initially on creating the instance.
   - Click on open.
   - Click on the accept button if modal windows open with the title of PuTTY Security Alert
   - Login as - ec2-user
   - Message - Authenticating with public key and now it got connected.
3. **Run this command:**
   - **curl -o- https://raw.githubusercontent.com/nvm-sh/nvm/v0.39.5/install.sh | bash** (It downloads and executes a script from the specified URL)
   - **sudo yum update.**
   - **sudo systemctl status nginx (It shows nginx running status)**
   - **sudo systemctl enable nginx(It automatically restart the nginx whenever the instance is started)**
   - **sudo systemctl start nginx (To start nginx)**
   - **sudo vim /etc/nginx/nginx.conf (To edit the configuration of nginx)**
   - **Click on I to write the method and paste the below lines!**

```
location {
    proxy_pass http://localhost:3210;
    proxy_http_version 1.1;
    proxy_set_header Upgrade $http_upgrade;
    proxy_set_header Connection 'upgrade';
```

THE END

```
        proxy_set_header Host $host;
        proxy_cache_bypass $http_upgrade;
    }
```

4. **Run this command :**
   - **sudo systemctl restart nginx (To restart nginx) after that check the nginx status, it needs to active (running) state**
   - **sudo yum install git (install Git)**
   - **sudo git clone https://github.com/fayazahamedd/reactPortFolio.git**

5. **Run the commands:**
   - **[ec2-user@ip-172-31-4-163 reactPortFolio]$ cd ..**
   - **[ec2-user@ip-172-31-4-163 ~]$ cd ..**
   - **[ec2-user@ip-172-31-4-163 home]$ ls**
   - **ec2-user**
   - **[ec2-user@ip-172-31-4-163 home]$ cd ec2-user/**
   - **[ec2-user@ip-172-31-4-163 ~]$ sudo chmod -R 777 reactPortFolio/**
   - **[ec2-user@ip-172-31-4-163 ~]$ cd reactPortFolio/**
   - **[ec2-user@ip-172-31-4-163 reactPortFolio]$ sudo yum install -y nodejs**
   - **[ec2-user@ip-172-31-4-163 reactPortFolio]$ sudo npm install -g npm@10.3.0**
   - **[ec2-user@ip-172-31-4-163 reactPortFolio]$ npm install -force**
   - **[ec2-user@ip-172-31-4-163 reactPortFolio]$ sudo yum install xdg-utils**
   - **[ec2-user@ip-172-31-4-163 reactPortFolio]$ npm run dev**
   - **[ec2-user@ip-172-31-4-163 reactPortFolio]$ npm run build**
   - **[ec2-user@ip-172-31-4-163 reactPortFolio]$ sudo npm install pm2 -g**
   - **[ec2-user@ip-172-31-4-163 reactPortFolio]$** pm2 start npm --name "reactPortFolio" -- run dev.
   - **[ec2-user@ip-172-31-4-163 reactPortFolio]$** pm2 status(To check the status of pm2)
   - Copy the Public IPv4 address from the instance summary paste it in Chrome and finally web app starts running.

6. **Automate the instance** (When starting, stopping, or restarting the instance, we need to start Nginx and run PM2 automatically)
   - sudo yum install cronie -y (Install the 'cronie' package)
   - sudo systemctl enable crond.service - (Enable the 'cronie' service)
   - sudo systemctl start crond.service - (Start the 'cronie' service)
   - pm2 stop all(to stop all PM2-managed processes)
   - pm2 kill (terminate the PM2 daemon)
   - cd /home/ec2-user/reactPortFolio && /usr/local/bin/pm2 start npm -- name "reactPortFolio" -- run dev (setting the project src path to run a]

THE END

- **crontab -e** [command to edit the crontab file]
- @reboot cd /home/ec2-user/reactPortFolio && /usr/local/bin/pm2 start npm --name "reactPortFolio" -- run dev (restart the node)
- sudo su – (Switch to root user)
- reboot

7. **Create Elastics Ips**
   - Navigate to the Elastic IP Address
   - Click on Allocate Elastic IP address.
   - Click on Allocate(With default info)
   - Once IP is created click on Action > Associate Elastic IP address
   - In the Associate drop select the instance which you want to tag it.
   - Navigate to the instance and check the Public IPv4 address. It may change to an Elastic Static API

8. **COPY THE PUBLIC IPV4 ADDRESS FROM THE INSTANCE SUMMARY, PASTE IT INTO CHROME, AND THE WEB APP WILL START RUNNING.**

----

a) **sudo journalctl -xe | grep nginx (Check for Errors in NGINX Configuration)**
b) **pm2 log - to view overall logs**

THE END

```
login as: ec2-user
Authenticating with public key "reactPortAmazonLinux"
      ,        #_
   ~\_  ####_        Amazon Linux 2023
  ~~  \_#####\
  ~~     \###|
  ~~       \#/ ___   https://aws.amazon.com/linux/amazon-linux-2023
   ~~       V~' '->
    ~~~         /
     ~~._.   _/
        _/ _/
       _/m/'
Last login: Thu Jan 25 16:46:45 2024 from 157.50.30.96
[ec2-user@ip-172-31-23-191 ~]$ sudo vim /etc/nginx/nginx.conf
[ec2-user@ip-172-31-23-191 ~]$ sudo vim /etc/nginx/nginx.conf
[ec2-user@ip-172-31-23-191 ~]$ sudo systemctl restart nginx
[ec2-user@ip-172-31-23-191 ~]$ sudo systemctl status nginx
● nginx.service - The nginx HTTP and reverse proxy server
     Loaded: loaded (/usr/lib/systemd/system/nginx.service; disabled; preset: d>
     Active: active (running) since Thu 2024-01-25 16:52:51 UTC; 3s ago
    Process: 25714 ExecStartPre=/usr/bin/rm -f /run/nginx.pid (code=exited, sta>
    Process: 25729 ExecStartPre=/usr/sbin/nginx -t (code=exited, status=0/SUCCE>
    Process: 25734 ExecStart=/usr/sbin/nginx (code=exited, status=0/SUCCESS)
   Main PID: 25747 (nginx)
      Tasks: 2 (limit: 1114)
     Memory: 2.2M
        CPU: 53ms
     CGroup: /system.slice/nginx.service
             ├─25747 "nginx: master process /usr/sbin/nginx"
             └─25748 "nginx: worker process"

Jan 25 16:52:51 ip-172-31-23-191.us-east-2.compute.internal systemd[1]: Startin>
Jan 25 16:52:51 ip-172-31-23-191.us-east-2.compute.internal nginx[25729]: nginx>
Jan 25 16:52:51 ip-172-31-23-191.us-east-2.compute.internal nginx[25729]: nginx>
Jan 25 16:52:51 ip-172-31-23-191.us-east-2.compute.internal systemd[1]: Started>
lines 1-18/18 (END)
^C
[ec2-user@ip-172-31-23-191 ~]$ ^C
[ec2-user@ip-172-31-23-191 ~]$ sudo yum install git
Last metadata expiration check: 0:06:38 ago on Thu Jan 25 16:46:28 2024.
Dependencies resolved.
================================================================================
 Package          Arch       Version                    Repository      Size
================================================================================
Installing:
 git              x86_64     2.40.1-1.amzn2023.0.1       amazonlinux     57 k
Installing dependencies:
```

THE END

```
Installing dependencies:
 git-core              x86_64     2.40.1-1.amzn2023.0.1        amazonlinux     4.3 M
 git-core-doc          noarch     2.40.1-1.amzn2023.0.1        amazonlinux     2.6 M
 perl-Error            noarch     1:0.17029-5.amzn2023.0.2     amazonlinux      41 k
 perl-File-Find        noarch     1.37-477.amzn2023.0.6        amazonlinux      26 k
 perl-Git              noarch     2.40.1-1.amzn2023.0.1        amazonlinux      45 k
 perl-TermReadKey      x86_64     2.38-9.amzn2023.0.2          amazonlinux      36 k
 perl-lib              x86_64     0.65-477.amzn2023.0.6        amazonlinux      15 k

Transaction Summary
================================================================================
Install  8 Packages

Total download size: 7.1 M
Installed size: 34 M
Is this ok [y/N]: y
Downloading Packages:
(1/8): perl-lib-0.65-477.amzn2023.0.6.x86_64.rp 280 kB/s |  15 kB     00:00
(2/8): git-2.40.1-1.amzn2023.0.1.x86_64.rpm     934 kB/s |  57 kB     00:00
(3/8): perl-TermReadKey-2.38-9.amzn2023.0.2.x86 3.0 MB/s |  36 kB     00:00
(4/8): perl-File-Find-1.37-477.amzn2023.0.6.noa 1.9 MB/s |  26 kB     00:00
(5/8): perl-Error-0.17029-5.amzn2023.0.2.noarch 2.3 MB/s |  41 kB     00:00
(6/8): git-core-2.40.1-1.amzn2023.0.1.x86_64.rp  31 MB/s | 4.3 MB     00:00
(7/8): perl-Git-2.40.1-1.amzn2023.0.1.noarch.rp 1.2 MB/s |  45 kB     00:00
(8/8): git-core-doc-2.40.1-1.amzn2023.0.1.noarc  25 MB/s | 2.6 MB     00:00
--------------------------------------------------------------------------------
Total                                            32 MB/s | 7.1 MB     00:00
Running transaction check
Transaction check succeeded.
Running transaction test
Transaction test succeeded.
Running transaction
  Preparing        :                                                     1/1
  Installing       : git-core-2.40.1-1.amzn2023.0.1.x86_64               1/8
  Installing       : git-core-doc-2.40.1-1.amzn2023.0.1.noarch           2/8
  Installing       : perl-Error-1:0.17029-5.amzn2023.0.2.noarch          3/8
  Installing       : perl-File-Find-1.37-477.amzn2023.0.6.noarch         4/8
  Installing       : perl-TermReadKey-2.38-9.amzn2023.0.2.x86_64         5/8
  Installing       : perl-lib-0.65-477.amzn2023.0.6.x86_64               6/8
  Installing       : perl-Git-2.40.1-1.amzn2023.0.1.noarch               7/8
  Installing       : git-2.40.1-1.amzn2023.0.1.x86_64                    8/8
  Running scriptlet: git-2.40.1-1.amzn2023.0.1.x86_64                    8/8
  Verifying        : git-2.40.1-1.amzn2023.0.1.x86_64                    1/8
  Verifying        : git-core-2.40.1-1.amzn2023.0.1.x86_64              2/8
  Verifying        : perl-lib-0.65-477.amzn2023.0.6.x86_64               3/8
  Verifying        : perl-TermReadKey-2.38-9.amzn2023.0.2.x86_64         4/8
  Verifying        : git-core-doc-2.40.1-1.amzn2023.0.1.noarch           5/8
```

THE END

```
  Verifying              : git-core-doc-2.40.1-1.amzn2023.0.1.noarch              5/8
  Verifying              : perl-File-Find-1.37-477.amzn2023.0.6.noarch            6/8
  Verifying              : perl-Error-1:0.17029-5.amzn2023.0.2.noarch             7/8
  Verifying              : perl-Git-2.40.1-1.amzn2023.0.1.noarch                  8/8

Installed:
  git-2.40.1-1.amzn2023.0.1.x86_64
  git-core-2.40.1-1.amzn2023.0.1.x86_64
  git-core-doc-2.40.1-1.amzn2023.0.1.noarch
  perl-Error-1:0.17029-5.amzn2023.0.2.noarch
  perl-File-Find-1.37-477.amzn2023.0.6.noarch
  perl-Git-2.40.1-1.amzn2023.0.1.noarch
  perl-TermReadKey-2.38-9.amzn2023.0.2.x86_64
  perl-lib-0.65-477.amzn2023.0.6.x86_64

Complete!
[ec2-user@ip-172-31-23-191 ~]$ sudo git clone https://github.com/fayazahamedd/re
actPortFolio.git
Cloning into 'reactPortFolio'...
remote: Enumerating objects: 99, done.
remote: Counting objects: 100% (39/39), done.
remote: Compressing objects: 100% (35/35), done.
remote: Total 99 (delta 5), reused 17 (delta 2), pack-reused 60
Receiving objects: 100% (99/99), 48.66 MiB | 38.65 MiB/s, done.
Resolving deltas: 100% (7/7), done.
[ec2-user@ip-172-31-23-191 ~]$ cd ..
[ec2-user@ip-172-31-23-191 home]$ cd ec2-user/
[ec2-user@ip-172-31-23-191 ~]$ sudo chmod -R 777 reactPortFolio/
[ec2-user@ip-172-31-23-191 ~]$ cd reactPortFolio/
[ec2-user@ip-172-31-23-191 reactPortFolio]$ sudo yum install -y nodejs
Last metadata expiration check: 0:07:36 ago on Thu Jan 25 16:46:28 2024.
Dependencies resolved.
================================================================================
 Package           Arch      Version                             Repository    Size
================================================================================
Installing:
 nodejs            x86_64    1:18.18.2-1.amzn2023.0.1            amazonlinux  1.8 M
Installing dependencies:
 libbrotli         x86_64    1.0.9-4.amzn2023.0.2               amazonlinux  315 k
 nodejs-libs       x86_64    1:18.18.2-1.amzn2023.0.1            amazonlinux   14 M
Installing weak dependencies:
 nodejs-docs       noarch    1:18.18.2-1.amzn2023.0.1            amazonlinux  7.6 M
 nodejs-full-i18n  x86_64    1:18.18.2-1.amzn2023.0.1            amazonlinux  8.5 M
 nodejs-npm        x86_64    1:9.8.1-1.18.18.2.1.amzn2023.0.1   amazonlinux  2.0 M

Transaction Summary
================================================================================
```

THE END

```
================================================================================
Install   6 Packages

Total download size: 34 M
Installed size: 186 M
Downloading Packages:
(1/6): libbrotli-1.0.9-4.amzn2023.0.2.x86_64.rp 3.3 MB/s | 315 kB      00:00
(2/6): nodejs-npm-9.8.1-1.18.18.2.1.amzn2023.0.  13 MB/s | 2.0 MB      00:00
(3/6): nodejs-full-i18n-18.18.2-1.amzn2023.0.1.  22 MB/s | 8.5 MB      00:00
(4/6): nodejs-18.18.2-1.amzn2023.0.1.x86_64.rpm 4.8 MB/s | 1.8 MB      00:00
(5/6): nodejs-docs-18.18.2-1.amzn2023.0.1.noarc  23 MB/s | 7.6 MB      00:00
(6/6): nodejs-libs-18.18.2-1.amzn2023.0.1.x86_6  15 MB/s |  14 MB      00:00
--------------------------------------------------------------------------------
Total                                            35 MB/s |  34 MB      00:00
Running transaction check
Transaction check succeeded.
Running transaction test
Transaction test succeeded.
Running transaction
  Running scriptlet: nodejs-1:18.18.2-1.amzn2023.0.1.x86_64               1/1
  Preparing        :                                                      1/1
  Installing       : nodejs-docs-1:18.18.2-1.amzn2023.0.1.noarch          1/6
  Installing       : libbrotli-1.0.9-4.amzn2023.0.2.x86_64                2/6
  Installing       : nodejs-libs-1:18.18.2-1.amzn2023.0.1.x86_64          3/6
  Installing       : nodejs-npm-1:9.8.1-1.18.18.2.1.amzn2023.0.1.x86_64   4/6
  Installing       : nodejs-full-i18n-1:18.18.2-1.amzn2023.0.1.x86_64     5/6
  Installing       : nodejs-1:18.18.2-1.amzn2023.0.1.x86_64               6/6
  Running scriptlet: nodejs-1:18.18.2-1.amzn2023.0.1.x86_64               6/6
  Verifying        : libbrotli-1.0.9-4.amzn2023.0.2.x86_64                1/6
  Verifying        : nodejs-libs-1:18.18.2-1.amzn2023.0.1.x86_64          2/6
  Verifying        : nodejs-npm-1:9.8.1-1.18.18.2.1.amzn2023.0.1.x86_64   3/6
  Verifying        : nodejs-full-i18n-1:18.18.2-1.amzn2023.0.1.x86_64     4/6
  Verifying        : nodejs-1:18.18.2-1.amzn2023.0.1.x86_64               5/6
  Verifying        : nodejs-docs-1:18.18.2-1.amzn2023.0.1.noarch          6/6

Installed:
  libbrotli-1.0.9-4.amzn2023.0.2.x86_64
  nodejs-1:18.18.2-1.amzn2023.0.1.x86_64
  nodejs-docs-1:18.18.2-1.amzn2023.0.1.noarch
  nodejs-full-i18n-1:18.18.2-1.amzn2023.0.1.x86_64
  nodejs-libs-1:18.18.2-1.amzn2023.0.1.x86_64
  nodejs-npm-1:9.8.1-1.18.18.2.1.amzn2023.0.1.x86_64

Complete!
[ec2-user@ip-172-31-23-191 reactPortFolio]$ sudo npm install -g npm@10.3.0

added 1 package in 6s
```

THE END

```
added 1 package in 6s

24 packages are looking for funding
  run `npm fund` for details
[ec2-user@ip-172-31-23-191 reactPortFolio]$ npm install -force
npm WARN using --force Recommended protections disabled.

added 347 packages, and audited 348 packages in 27s

108 packages are looking for funding
  run `npm fund` for details

1 high severity vulnerability

To address all issues, run:
  npm audit fix

Run `npm audit` for details.
npm notice
npm notice New minor version of npm available! 10.3.0 -> 10.4.0
npm notice Changelog: https://github.com/npm/cli/releases/tag/v10.4.0
npm notice Run npm install -g npm@10.4.0 to update!
npm notice
[ec2-user@ip-172-31-23-191 reactPortFolio]$ sudo yum install xdg-utils
Last metadata expiration check: 0:08:25 ago on Thu Jan 25 16:46:28 2024.
Dependencies resolved.
================================================================================
 Package              Arch      Version                  Repository        Size
================================================================================
Installing:
 xdg-utils            noarch    1.1.3-12.amzn2023.0.1     amazonlinux       73 k
Installing dependencies:
 desktop-file-utils   x86_64    0.26-3.amzn2023.0.2       amazonlinux       72 k
 emacs-filesystem     noarch    1:28.2-3.amzn2023.0.6     amazonlinux      9.5 k

Transaction Summary
================================================================================
Install  3 Packages

Total download size: 155 k
Installed size: 558 k
Is this ok [y/N]: y
Downloading Packages:
(1/3): xdg-utils-1.1.3-12.amzn2023.0.1.noarch.r 922 kB/s |  73 kB     00:00
(2/3): emacs-filesystem-28.2-3.amzn2023.0.6.noa 117 kB/s | 9.5 kB     00:00
(3/3): desktop-file-utils-0.26-3.amzn2023.0.2.x 845 kB/s |  72 kB     00:00
--------------------------------------------------------------------------------
```

THE END

```
(1/3): xdg-utils-1.1.3-12.amzn2023.0.1.noarch.r 922 kB/s |  73 kB     00:00
(2/3): emacs-filesystem-28.2-3.amzn2023.0.6.noa 117 kB/s | 9.5 kB     00:00
(3/3): desktop-file-utils-0.26-3.amzn2023.0.2.x 845 kB/s |  72 kB     00:00
--------------------------------------------------------------------------
Total                                           1.0 MB/s | 155 kB     00:00
Running transaction check
Transaction check succeeded.
Running transaction test
Transaction test succeeded.
Running transaction
  Preparing         :                                              1/1
  Installing        : emacs-filesystem-1:28.2-3.amzn2023.0.6.noarch     1/3
  Installing        : desktop-file-utils-0.26-3.amzn2023.0.2.x86_64     2/3
  Installing        : xdg-utils-1.1.3-12.amzn2023.0.1.noarch            3/3
  Running scriptlet: xdg-utils-1.1.3-12.amzn2023.0.1.noarch            3/3
  Verifying         : desktop-file-utils-0.26-3.amzn2023.0.2.x86_64     1/3
  Verifying         : emacs-filesystem-1:28.2-3.amzn2023.0.6.noarch     2/3
  Verifying         : xdg-utils-1.1.3-12.amzn2023.0.1.noarch            3/3

Installed:
  desktop-file-utils-0.26-3.amzn2023.0.2.x86_64
  emacs-filesystem-1:28.2-3.amzn2023.0.6.noarch
  xdg-utils-1.1.3-12.amzn2023.0.1.noarch

Complete!
[ec2-user@ip-172-31-23-191 reactPortFolio]$ npm run dev

> my-project@0.0.0 dev
> vite


  VITE v5.0.10  ready in 917 ms

  →  Local:   http://localhost:3210/
  →  Network: use --host to expose
  →  press h + enter to show help
^C
[ec2-user@ip-172-31-23-191 reactPortFolio]$ ^C
[ec2-user@ip-172-31-23-191 reactPortFolio]$ npm run build

> my-project@0.0.0 build
> vite build

vite v5.0.10 building for production...

lib/ionicons/css/ionicons.min.css doesn't exist at build time, it will remain un
changed to be resolved at runtime
```

THE END

```
lib/ionicons/css/ionicons.min.css doesn't exist at build time, it will remain un
changed to be resolved at runtime

path/to/font-awesome/css/font-awesome.min.css doesn't exist at build time, it wi
ll remain unchanged to be resolved at runtime
√ 62 modules transformed.
Unknown output options: mimeTypes, scriptType. Allowed options: amd, assetFileNa
mes, banner, chunkFileNames, compact, dir, dynamicImportInCjs, entryFileNames, e
sModule, experimentalMinChunkSize, exports, extend, externalImportAssertions, ex
ternalImportAttributes, externalLiveBindings, file, footer, format, freeze, gene
ratedCode, globals, hoistTransitiveImports, indent, inlineDynamicImports, intero
p, intro, manualChunks, minifyInternalExports, name, noConflict, outro, paths, p
lugins, preserveModules, preserveModulesRoot, sanitizeFileName, sourcemap, sourc
emapBaseUrl, sourcemapExcludeSources, sourcemapFile, sourcemapFileNames, sourcem
apIgnoreList, sourcemapPathTransform, strict, systemNullSetters, validate
dist/index.html                    0.78 kB │ gzip:  0.39 kB
dist/assets/index-NOEai7xf.css    13.66 kB │ gzip:  3.68 kB
dist/assets/index-x5JV_tE7.js    276.66 kB │ gzip: 87.56 kB
√ built in 5.88s
[ec2-user@ip-172-31-23-191 reactPortFolio]$ sudo npm install pm2 -g
npm WARN deprecated uuid@3.4.0: Please upgrade  to version 7 or higher.  Older v
ersions may use Math.random() in certain circumstances, which is known to be pro
blematic.  See https://v8.dev/blog/math-random for details.

added 157 packages in 14s

13 packages are looking for funding
  run `npm fund` for details
npm notice
npm notice New minor version of npm available! 10.3.0 -> 10.4.0
npm notice Changelog: https://github.com/npm/cli/releases/tag/v10.4.0
npm notice Run npm install -g npm@10.4.0 to update!
npm notice
[ec2-user@ip-172-31-23-191 reactPortFolio]$ sudo npm install pm2 -g
npm WARN deprecated uuid@3.4.0: Please upgrade  to version 7 or higher.  Older v
ersions may use Math.random() in certain circumstances, which is known to be pro
blematic.  See https://v8.dev/blog/math-random for details.

changed 157 packages in 9s

13 packages are looking for funding
  run `npm fund` for details
[ec2-user@ip-172-31-23-191 reactPortFolio]$ pm2 start npm --name "reactPortFolio
" -- run dev

             -------------
```

THE END

```
 _\/\\\\\\\\\\\\\/__\/\\\\//\\\/\\\/_\/\\_____/\\\/___
  _\/\\\/////////____\/\\\__\///\\\___\/\\_____/\\\//_____
   _\/\\_____\/\\\___\///____\/\\\____/\\\//_____
    _\/\\_____\/\\_____\/\\\__/\\\/_____
     _\/\\_____\/\\_____\/\\\__/\\\\\\\\\\\\\\\\_
      _\///_____\///_____\///__\///////////////__


                        Runtime Edition

          PM2 is a Production Process Manager for Node.js applications
                    with a built-in Load Balancer.

                Start and Daemonize any application:
                $ pm2 start app.js

                Load Balance 4 instances of api.js:
                $ pm2 start api.js -i 4

                Monitor in production:
                $ pm2 monitor

                Make pm2 auto-boot at server restart:
                $ pm2 startup

                To go further checkout:
                http://pm2.io/


                        -------------

[PM2] Spawning PM2 daemon with pm2_home=/home/ec2-user/.pm2
[PM2] PM2 Successfully daemonized
[PM2] Starting /usr/local/bin/npm in fork_mode (1 instance)
[PM2] Done.
```

id	name	mode	□	status	cpu	memory
0	reactPortFolio	fork	0	online	0%	33.2mb

```
[ec2-user@ip-172-31-23-191 reactPortFolio]$ pm2 status
```

id	name	mode	□	status	cpu	memory
0	reactPortFolio	fork	0	online	0%	71.8mb

```
[ec2-user@ip-172-31-23-191 reactPortFolio]$ ^C
```

THE END