

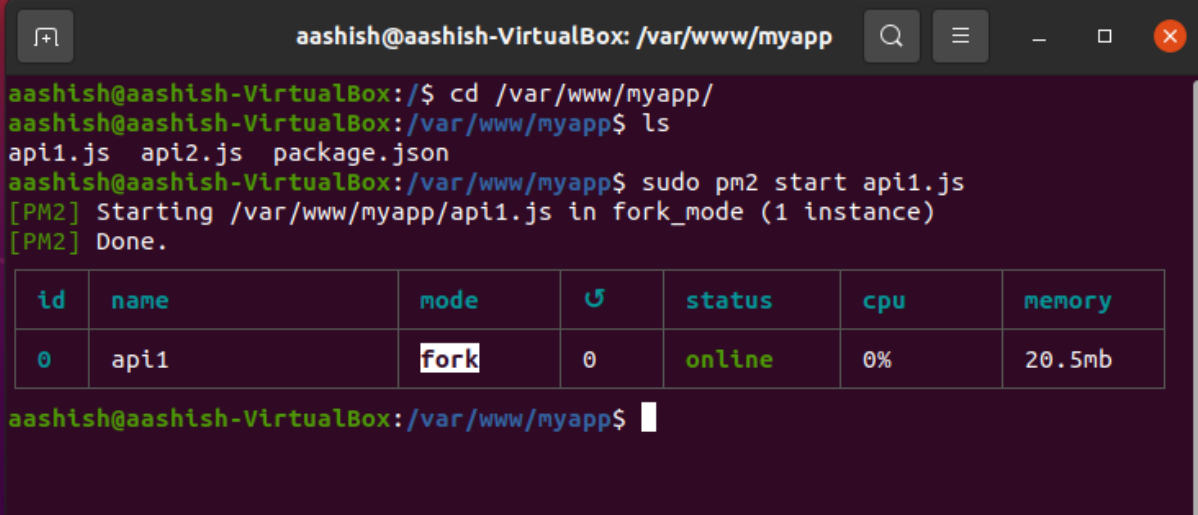
3.

Nginx Reverse proxy all http requests to nodes js api.

Answer:

First of all, we need to start **api1.js**(Node app) with **pm2** tool using the command;

- sudo pm2 start api1.js

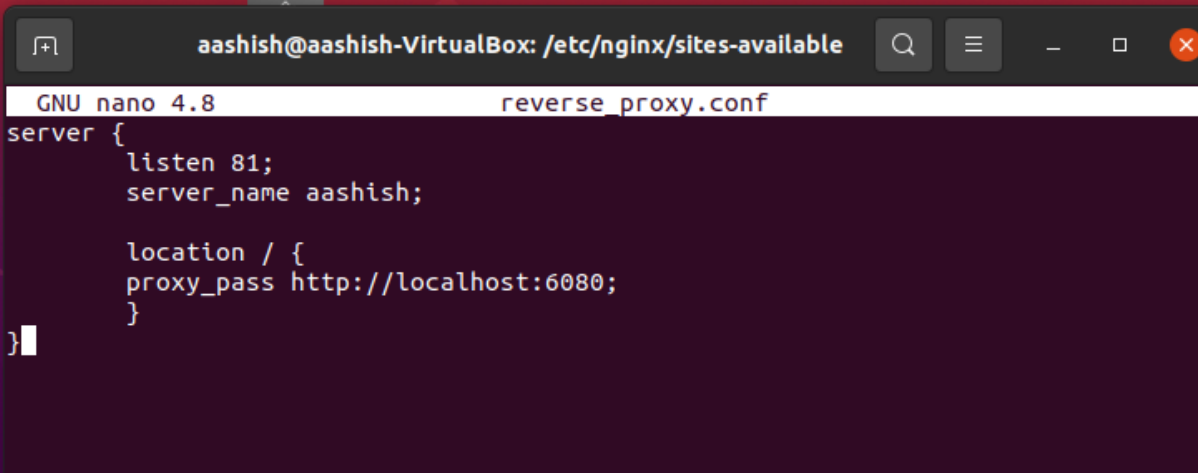


```
aashish@aashish-VirtualBox: /var/www/myapp
aashish@aashish-VirtualBox:/$ cd /var/www/myapp/
aashish@aashish-VirtualBox:/var/www/myapp$ ls
api1.js  api2.js  package.json
aashish@aashish-VirtualBox:/var/www/myapp$ sudo pm2 start api1.js
[PM2] Starting /var/www/myapp/api1.js in fork_mode (1 instance)
[PM2] Done.
```

id	name	mode	U	status	cpu	memory
0	api1	fork	0	online	0%	20.5mb

```
aashish@aashish-VirtualBox:/var/www/myapp$
```

Now, we create a **reverse_proxy.conf** file in **/etc/nginx/sites-enabled/**. We edit **reverse_proxy.conf** file as follows;



```
aashish@aashish-VirtualBox: /etc/nginx/sites-available
GNU nano 4.8 reverse_proxy.conf
server {
    listen 81;
    server_name aashish;

    location / {
        proxy_pass http://localhost:6080;
    }
}
```

Node JS app **api1.js** is running on port **6080**.

Next, we create symbolic link using following command;

- ln -rs /etc/nginx/sites-available/reverse_proxy.conf /etc/nginx/sites-enabled

Then, syntactical error is checked and if there is no error we restart nginx.

```
aashish@aaashish-VirtualBox: /etc/nginx/sites-available
aashish@aaashish-VirtualBox:/etc/nginx/sites-available$ sudo nano reverse_proxy.conf
aashish@aaashish-VirtualBox:/etc/nginx/sites-available$ sudo nano reverse_proxy.conf
aashish@aaashish-VirtualBox:/etc/nginx/sites-available$ sudo ln -rs reverse_proxy.conf ../sites-enabled/
aashish@aaashish-VirtualBox:/etc/nginx/sites-available$ sudo nginx -t
nginx: the configuration file /etc/nginx/nginx.conf syntax is ok
nginx: configuration file /etc/nginx/nginx.conf test is successful
aashish@aaashish-VirtualBox:/etc/nginx/sites-available$ sudo systemctl restart nginx
aashish@aaashish-VirtualBox:/etc/nginx/sites-available$
```

Lastly, we check on the web browser;



Hence, the nginx reverse proxy all the http requests to node js api namely **api1.js** using port **81**.