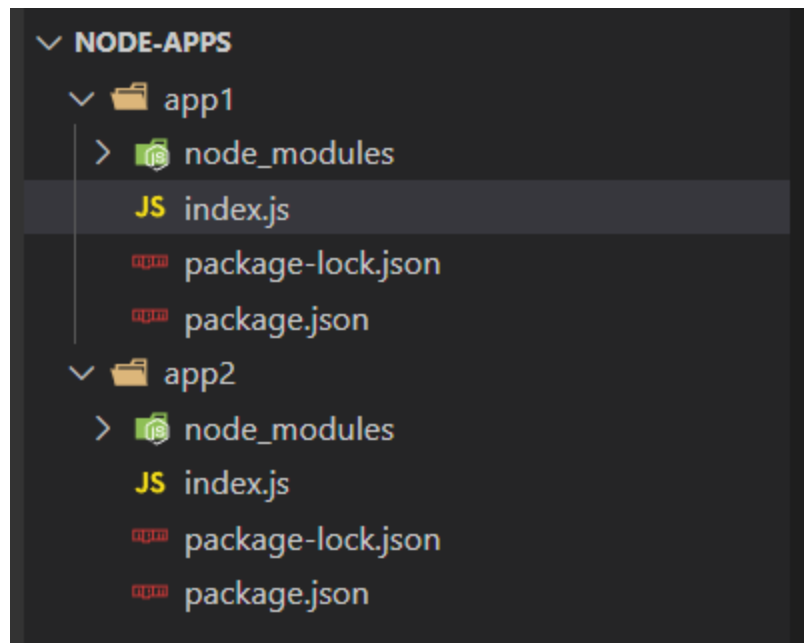


# Reverse proxy NGINX

I have an Ubuntu VM with the ip 192.168.0.30 and I have 2 express apps on my localhost (192.168.0.16) running on ports 3001 and 3002. The ubuntu VM will be the reverse proxy server with nginx.

With the reverse proxy I should be able to make an http get request to my localhost apps only using the ip of the reverse.

## The apps on my localhost



```
JS index.js app1 X JS index.js app2
app1 > JS index.js > ...
1 let express = require("express");
2 let app = express();
3
4 app.get("/", (request, response) => {
5   response.status(200).send("Hello world from app 1");
6 });
7
8 app.listen(3001, () => {
9   console.log("Server Up.");
10 });
```

```
JS index.js app1 X JS index.js app2 X
app2 > JS index.js > app.listen() callback
1 let express = require("express");
2 let app = express();
3
4 app.get("/", (request, response) => {
5   response.status(200).send("Hello world from app 2");
6 });
7
8 app.listen(3002, () => {
9   console.log("Server up.");
10 });
```

The nginx config file on the ubuntu VM

```
gustavo@vagrant-ubuntu-trusty-64: /etc/nginx/sites-available
GNU nano 2.2.6 File: reverse-proxy.conf

server {
    listen 80;

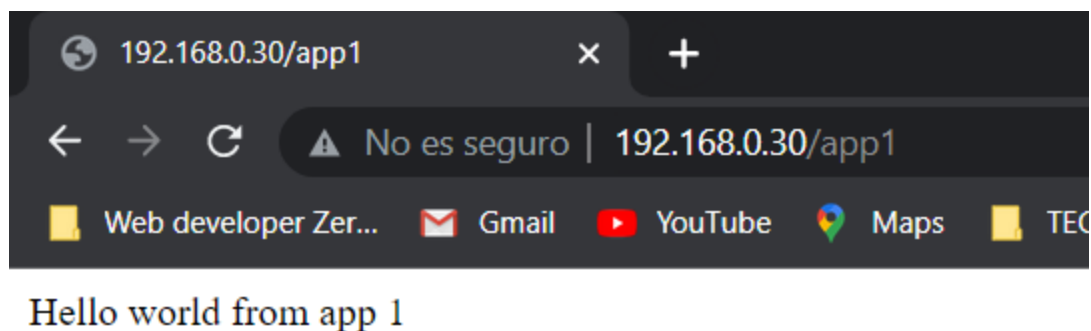
    server_name app1;

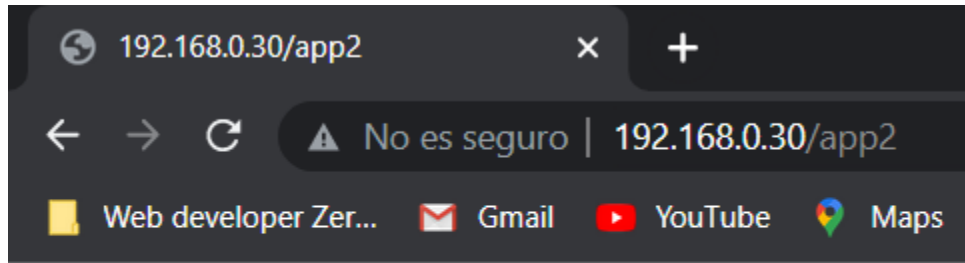
    proxy_set_header X-Forwarded-For $proxy_add_x_forwarded_for;

    location /app1 {
        proxy_pass http://192.168.0.16:3001/;
    }

    location /app2 {
        proxy_pass http://192.168.0.16:3002/;
    }
}
```

## Results





Hello world from app 2

As you can see, the ip of my localhost is 192.168.0.16 and the two express apps are listening on ports 3001 and 3002 but in the images I show that I can access the two apps trough the reverse proxy server just changing the last part of the url.