

Monday, 4 March 2024

## Nginx Proxy Setup

Launch an EC2 instance and connect to it.

```
Welcome to Ubuntu 22.04.3 LTS (GNU/Linux 6.2.0-1018-aws x86_64)

* Documentation:  https://help.ubuntu.com
* Management:    https://landscape.canonical.com
* Support:       https://ubuntu.com/pro

System information as of Mon Mar  4 13:30:24 UTC 2024

System load:  0.92578125      Processes:            102
Usage of /:   20.3% of 7.57GB Users logged in:          0
Memory usage: 21%            IPv4 address for eth0: 172.31.28.56
Swap usage:   0%

Expanded Security Maintenance for Applications is not enabled.

0 updates can be applied immediately.

Enable ESM Apps to receive additional future security updates.
See https://ubuntu.com/esm or run: sudo pro status

The list of available updates is more than a week old.
To check for new updates run: sudo apt update

The programs included with the Ubuntu system are free software;
the exact distribution terms for each program are described in the
individual files in /usr/share/doc/*/copyright.

Ubuntu comes with ABSOLUTELY NO WARRANTY, to the extent permitted by
applicable law.

To run a command as administrator (user "root"), use "sudo <command>".
See "man sudo_root" for details.

ubuntu@ip-172-31-28-56:~$ sudo -i
```

#sudo -i

Update all packages

#apt update

```
ubuntu@ip-172-31-28-56:~$ sudo -i
root@ip-172-31-28-56:~# apt update
Hit:1 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy InRelease
Get:2 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-updates InRelease [119 kB]
Get:3 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-backports InRelease [109 kB]
Get:4 http://security.ubuntu.com/ubuntu jammy-security InRelease [110 kB]
Get:5 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy/universe amd64 Packages [14.1 MB]
Get:6 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy/universe Translation-en [5652 kB]
Get:7 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy/universe amd64 c-n-f Metadata [286 kB]
Get:8 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy/multiverse amd64 Packages [217 kB]
Get:9 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy/multiverse Translation-en [112 kB]
Get:10 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy/multiverse amd64 c-n-f Metadata [8372 B]
Get:11 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-updates/main amd64 Packages [1422 kB]
Get:12 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-updates/main Translation-en [279 kB]
Get:13 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-updates/restricted amd64 Packages [1504 kB]
Get:14 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-updates/restricted Translation-en [247 kB]
Get:15 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-updates/universe amd64 Packages [1052 kB]
```

#cd /var/www/html

#ls

```
root@ip-172-31-28-56:/var/www/html# ls
index.nginx-debian.html
```

Rename index.nginx-debian.html to index.html

#mv index.nginx-debian.html index.html

```
root@ip-172-31-28-56:/var/www/html# mv index.nginx-debian.html index.html
```

#cd /etc/nginx/sites-available/

```
root@ip-172-31-28-56:/var/www/html# cd /etc/nginx/sites-available/
```

Edit default file for nginx proxy

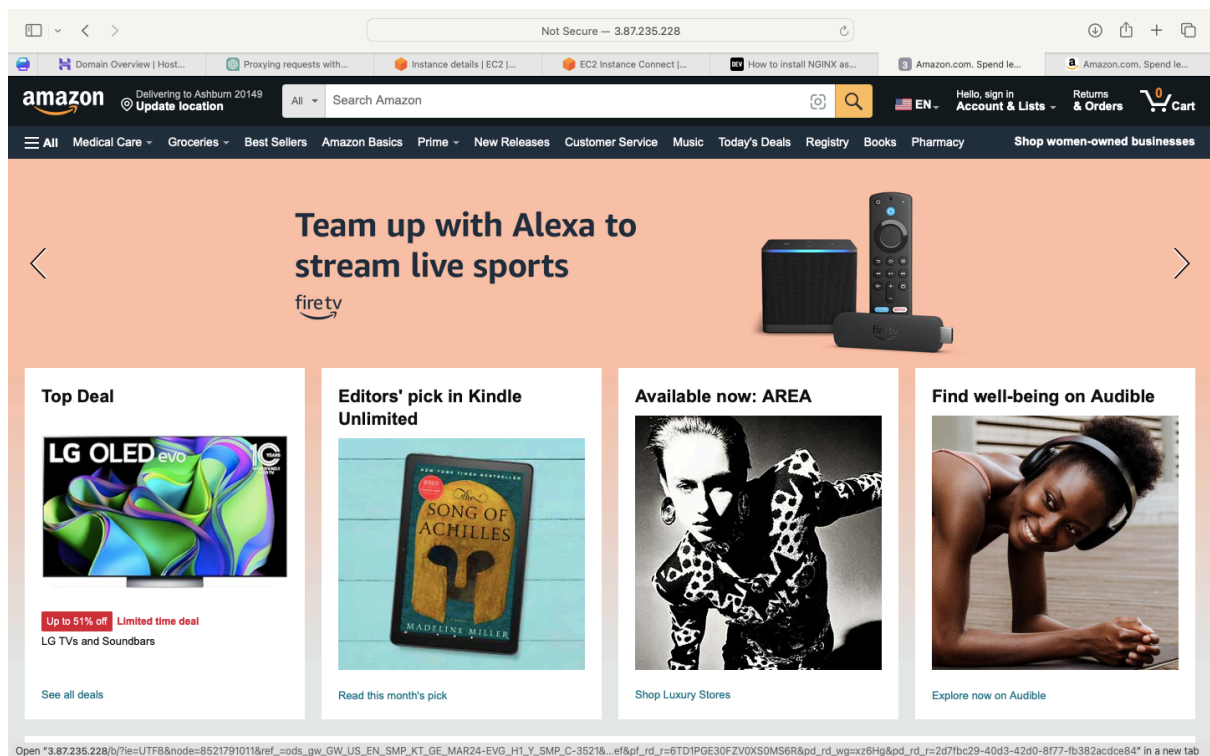
#vim default

```
root@ip-172-31-28-56:/etc/nginx/sites-available# vim default
```

Do this changes at the end of default file with servers name as your public IP and proxy pass to the site you want to forward.

```
server {  
    listen 80;  
    listen [::]:80;  
  
    server_name 3.87.235.228;  
  
    root /var/www/html;  
    index index.html;  
  
    location / {  
        proxy_pass https://www.amazon.com;  
    }  
}
```

Hit the PublicIP and you will see this site where you want to forward this proxy.



You can see in this page that this page is visible on my instance PublicIP.

