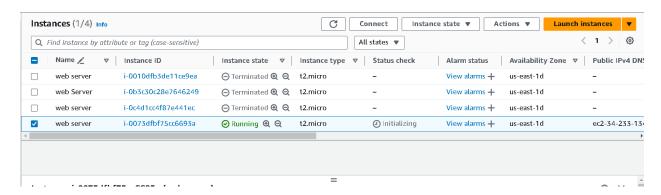
Hosting a website on AWS EC2 instance using the nginx web server.

Nginx is a high-performance HTTP server, reverse proxy server, and an IMAP/POP3 proxy server. It is known for its stability, rich feature set, simple configuration, and low resource consumption.

Here's how to install and configure Nginx on an Ubuntu system.

Step 1: launch an instance.



Step 2: connect to instance.

Step 3: First, update your package lists to ensure you get the latest version and dependencies:

Sudo apt-get update

```
ubuntu@ip-172-31-0-199:~$ sudo apt-get 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 [11
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 Packag
es [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 Pack
ages [217 kB]
Get: 9 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy/multiverse Translatio
n-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 P
ackages [1505 kB]
Get:12 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-updates/main Transla
tion-en [290 kB]
Get:13 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-updates/restricted a
md64 Packages [1628 kB]
Get:14 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-updates/restricted T
ranslation-en [273 kB]
Get:15 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-updates/universe amd
64 Packages [1059 kB]
```

Step 4: Install nginx.

Install Nginx using the package manager.

Sudo apt-get install nginx

```
etadata [260 B]
Fetched 30.4 MB in 6s (5364 kB/s)
Reading package lists... Done
ubuntu@ip-172-31-0-199:~$ Sudo apt-get install nginx
Command 'Sudo' not found, did you mean:
  command 'ludo' from snap ludo (0.17.1)
  command 'udo' from deb udo (6.4.1-6)
  command 'sudo' from deb sudo (1.9.9-1ubuntu2.4)
  command 'sudo' from deb sudo-ldap (1.9.9-1ubuntu2.4)
See 'snap info <snapname>' for additional versions.
ubuntu@ip-172-31-0-199:~$ sudo apt-get install nginx
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following additional packages will be installed:
  fontconfig-config fonts-dejavu-core libdeflate0 libfontconfig1 libgd3
  libjbig0 libjpeg-turbo8 libjpeg8 libnginx-mod-http-geoip2
  libnginx-mod-http-image-filter libnginx-mod-http-xslt-filter
  libnginx-mod-mail libnginx-mod-stream libnginx-mod-stream-geoip2 libtiff5
  libwebp7 libxpm4 nginx-common nginx-core
Suggested packages:
  libgd-tools fcgiwrap nginx-doc ssl-cert
The following NEW packages will be installed:
  fontconfig-config fonts-dejavu-core libdeflate0 libfontconfig1 libgd3
  libjbiq0 libjpeq-turbo8 libjpeq8 libnginx-mod-http-geoip2
  libnginx-mod-http-image-filter libnginx-mod-http-xslt-filter
  libnginx-mod-mail libnginx-mod-stream libnginx-mod-stream-geoip2 libtiff5
  libwebp7 libxpm4 nginx nginx-common nginx-core
O upgraded, 20 newly installed, O to remove and 19 not upgraded.
```

Step 5: Start and Enable Nginx

Start the Nginx service:

Sudo systemctl restart nginx

Sudo systemctl enable nginx

Step 6: Verify Nginx Installation

To check if Nginx is running, you can use:

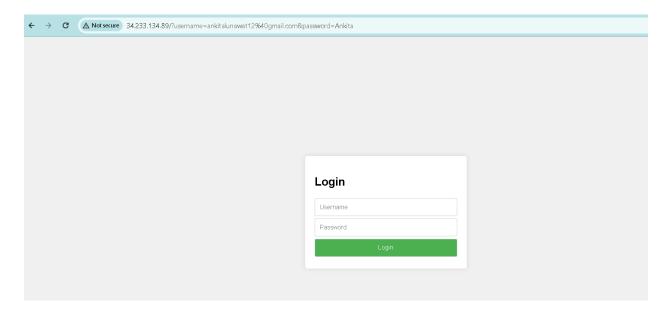
sudo systemctl status nginx

upload application code file.

Change application code in /var/ www/html/index.nginx-debian.html file.

check the webpage using public ip address.

Public IP of EC2 Instance.



By above these steps, you will have a fully functional Nginx server on your Ubuntu system, ready to serve static or dynamic

content, act as a reverse proxy, or perform other advanced tasks.