

Instalar Nginx

Para poder llegar a realizar todas nuestras publicaciones de aplicaciones, apis, etc. Necesitamos un servidor de aplicaciones, en nuestro caso utilizaremos [NGINX](#)

1. Iniciar sesión en servidor
2. Instalar Nginx con los siguientes comandos:

- a. `sudo apt info nginx`

```
ubuntu@ip-172-31-33-37:~$ sudo apt info nginx
Package: nginx
Version: 1.18.0-0ubuntu1.2
Priority: optional
Section: web
Origin: Ubuntu
Maintainer: Ubuntu Developers <ubuntu-devel-discuss@lists.ubuntu.com>
Original-Maintainer: Debian Nginx Maintainers <pkg-nginx-maintainers@lists.aliases.debian.org>
Bugs: https://bugs.launchpad.net/ubuntu/+filebug
Installed-Size: 45.1 kB
Depends: nginx-core (< 1.18.0-0ubuntu1.2.1~) | nginx-full (< 1.18.0-0ubuntu1.2.1~) | nginx-light (< 1.18.0-0ubuntu1.2.1~)
          buntu1.2) | nginx-full (>= 1.18.0-0ubuntu1.2) | nginx-light (>= 1.18.0-0ubuntu1.2) | nginx-extras (>= 1.18.0-0ubuntu1.2)
Homepage: http://nginx.net
Download-Size: 3620 B
APT-Sources: http://us-east-2.ec2.archive.ubuntu.com/ubuntu focal-updates/main amd64 Packages
Description: small, powerful, scalable web/proxy server
 nginx ("engine X") is a high-performance web and reverse proxy server
 created by Igor Sysoev. It can be used both as a standalone web server
 and as a proxy to reduce the load on back-end HTTP or mail servers.

This is a dependency package to install either nginx-full (by default),
nginx-light or nginx-extras.

N: There is 1 additional record. Please use the '-a' switch to see it
ubuntu@ip-172-31-33-37:~$ sudo apt install nginx
```

- b. `sudo apt install nginx`

```
ubuntu@ip-172-31-33-37:~$ sudo apt install nginx
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following additional packages will be installed:
  fontconfig-config fonts-dejavu-core libfontconfig1 libgd3 libjpeg8 libjpeg-turbo8 libjpeg9 libnginx-mod-http-image-filter libnginx-mod-http-xslt-filter libnginx-mod-mail
  libnginx-mod-stream libtiff5 libwebp6 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 libfontconfig1 libgd3 libjpeg8 libjpeg-turbo8 libjpeg9 libnginx-mod-http-image-filter libnginx-mod-http-xslt-filter libnginx-mod-mail
  libnginx-mod-stream libtiff5 libwebp6 libxpm4 nginx nginx-common nginx-core
0 upgraded, 17 newly installed, 0 to remove and 0 not upgraded.
Need to get 2432 kB of archives.
After this operation, 7891 kB of additional disk space will be used.
Do you want to continue? [Y/n] Y
Get:1 http://us-east-2.ec2.archive.ubuntu.com/ubuntu focal/main amd64 fonts-dejavu-core all 2.37-1 [1041 kB]
Get:2 http://us-east-2.ec2.archive.ubuntu.com/ubuntu focal/main amd64 fontconfig-config all 2.13.1-2ubuntu3 [28.8 kB]
Get:3 http://us-east-2.ec2.archive.ubuntu.com/ubuntu focal/main amd64 libfontconfig1 amd64 2.13.1-2ubuntu3 [114 kB]
Get:4 http://us-east-2.ec2.archive.ubuntu.com/ubuntu focal-updates/main amd64 libjpeg-turbo8 amd64 2.0.3-0ubuntu1.20.04.1 [117 kB]
Get:5 http://us-east-2.ec2.archive.ubuntu.com/ubuntu focal/main amd64 libjpeg8 amd64 8c-2ubuntu8 [2194 B]
Get:6 http://us-east-2.ec2.archive.ubuntu.com/ubuntu focal/main amd64 libgd3 amd64 2.1-3.1build1 [26.7 kB]
Get:7 http://us-east-2.ec2.archive.ubuntu.com/ubuntu focal-updates/main amd64 libwebp6 amd64 0.6.1-2ubuntu0.20.04.1 [185 kB]
Get:8 http://us-east-2.ec2.archive.ubuntu.com/ubuntu focal-updates/main amd64 libtiff5 amd64 4.1.0-gitt19117-2ubuntu0.20.04.2 [162 kB]
Get:9 http://us-east-2.ec2.archive.ubuntu.com/ubuntu focal/main amd64 libxpm4 amd64 1:3.5.12-1 [34.0 kB]
Get:10 http://us-east-2.ec2.archive.ubuntu.com/ubuntu focal-updates/main amd64 libgd3 amd64 2.2.5-5.2ubuntu2.1 [118 kB]
Get:11 http://us-east-2.ec2.archive.ubuntu.com/ubuntu focal-updates/main amd64 nginx-common all 1.18.0-0ubuntu1.2 [37.5 kB]
Get:12 http://us-east-2.ec2.archive.ubuntu.com/ubuntu focal-updates/main amd64 libnginx-mod-http-image-filter amd64 1.18.0-0ubuntu1.2 [14.4 kB]
Get:13 http://us-east-2.ec2.archive.ubuntu.com/ubuntu focal-updates/main amd64 libnginx-mod-http-xslt-filter amd64 1.18.0-0ubuntu1.2 [12.7 kB]
Get:14 http://us-east-2.ec2.archive.ubuntu.com/ubuntu focal-updates/main amd64 libnginx-mod-mail amd64 1.18.0-0ubuntu1.2 [42.5 kB]
Get:15 http://us-east-2.ec2.archive.ubuntu.com/ubuntu focal-updates/main amd64 libnginx-mod-stream amd64 1.18.0-0ubuntu1.2 [67.3 kB]
Get:16 http://us-east-2.ec2.archive.ubuntu.com/ubuntu focal-updates/main amd64 nginx-core amd64 1.18.0-0ubuntu1.2 [425 kB]
Get:17 http://us-east-2.ec2.archive.ubuntu.com/ubuntu focal-updates/main amd64 nginx all 1.18.0-0ubuntu1.2 [3620 B]
Fetched 2432 kB in 8s (34.8 MB/s)
```

- c. `sudo service nginx start`

- d. `sudo service nginx status`

```
ubuntu@ip-172-31-33-37:~$ sudo service nginx start
ubuntu@ip-172-31-33-37:~$ sudo service nginx status
● nginx.service - A high performance web server and a reverse proxy server
   Loaded: loaded (/lib/systemd/system/nginx.service; enabled; vendor preset: enabled)
   Active: active (running) since Thu 2022-01-13 00:17:17 UTC; 1min 39s ago
     Docs: man:nginx(8)
  Main PID: 1280 (nginx)
    Tasks: 2 (limit: 1147)
   Memory: 6.3M
    CGroup: /system.slice/nginx.service
            └─1280 nginx: master process /usr/sbin/nginx -g daemon on; master_process on;
              └─1281 nginx: worker process

Jan 13 00:17:16 ip-172-31-33-37 systemd[1]: Starting A high performance web server and a reverse proxy server...
Jan 13 00:17:17 ip-172-31-33-37 systemd[1]: Started A high performance web server and a reverse proxy server.
```

3. Esto nos permitira crear nuestro nuevo servidor de aplicaciones
 - a. Ahora podremos ver dentro de nuestro servidor una carpeta donde podremos ubicar nuestros futuros proyectos.
 - b. Var/www/html

```
ubuntu@ip-172-31-33-37: /var/www/html$ ls
index.nginx-debian.html
ubuntu@ip-172-31-33-37: /var/www/html$
```

- c. Si vamos a la dirección 18.219.14.174:80 (puerto que abrimos en el security group) veremos un html de nginx

