

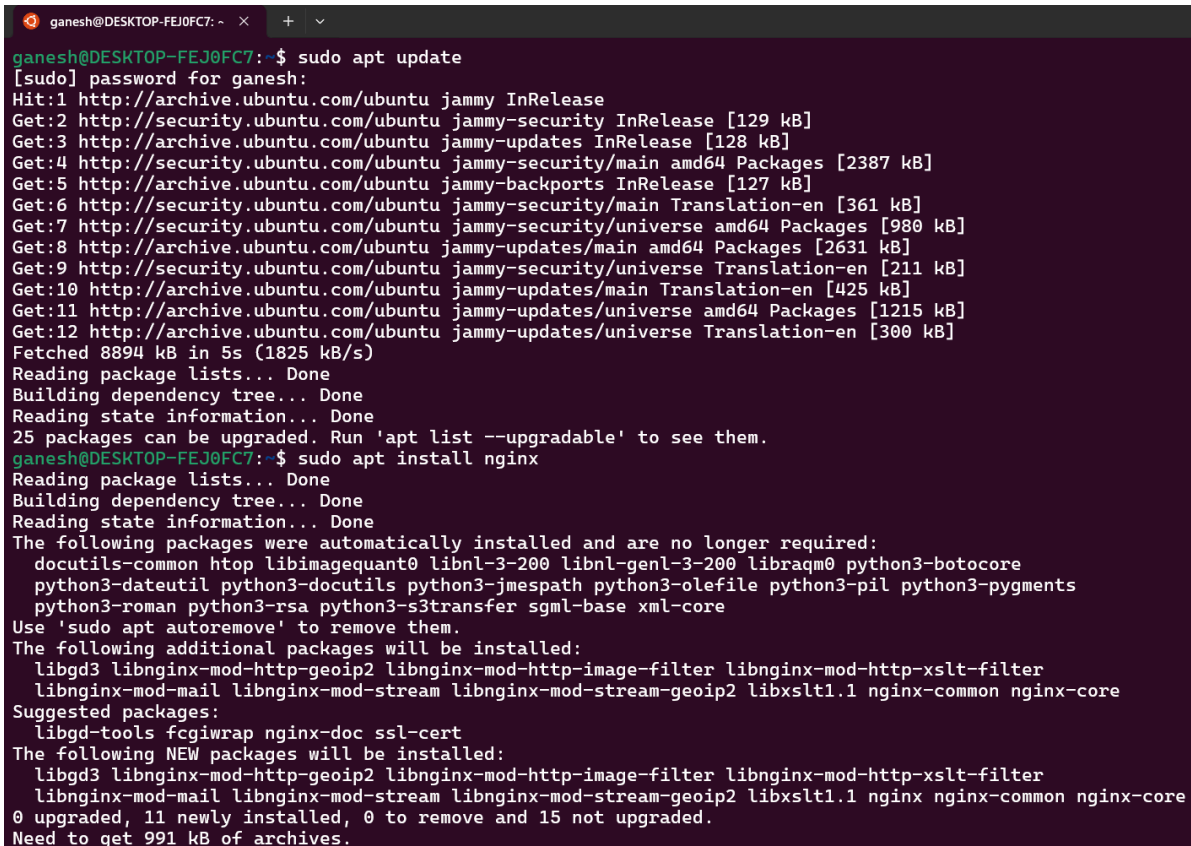
Ganesh Sethu

Install nginx and curl localhost

Step 1: Updating the apt and installing nginx

sudo apt update

sudo apt install nginx

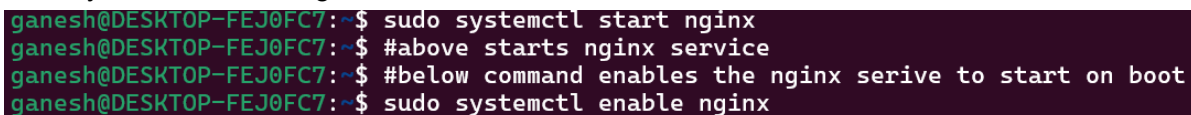


```
ganesh@DESKTOP-FEJ0FC7: ~$ sudo apt update
[sudo] password for ganesh:
Hit:1 http://archive.ubuntu.com/ubuntu jammy InRelease
Get:2 http://security.ubuntu.com/ubuntu jammy-security InRelease [129 kB]
Get:3 http://archive.ubuntu.com/ubuntu jammy-updates InRelease [128 kB]
Get:4 http://security.ubuntu.com/ubuntu jammy-security/main amd64 Packages [2387 kB]
Get:5 http://archive.ubuntu.com/ubuntu jammy-backports InRelease [127 kB]
Get:6 http://security.ubuntu.com/ubuntu jammy-security/main Translation-en [361 kB]
Get:7 http://security.ubuntu.com/ubuntu jammy-security/universe amd64 Packages [980 kB]
Get:8 http://archive.ubuntu.com/ubuntu jammy-updates/main amd64 Packages [2631 kB]
Get:9 http://security.ubuntu.com/ubuntu jammy-security/universe Translation-en [211 kB]
Get:10 http://archive.ubuntu.com/ubuntu jammy-updates/main Translation-en [425 kB]
Get:11 http://archive.ubuntu.com/ubuntu jammy-updates/universe amd64 Packages [1215 kB]
Get:12 http://archive.ubuntu.com/ubuntu jammy-updates/universe Translation-en [300 kB]
Fetched 8894 kB in 5s (1825 kB/s)
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
25 packages can be upgraded. Run 'apt list --upgradable' to see them.
ganesh@DESKTOP-FEJ0FC7: ~$ sudo apt install nginx
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following packages were automatically installed and are no longer required:
  docutils-common htop libimagequant0 libnl-3-200 libnl-genl-3-200 libraqm0 python3-botocore
  python3-dateutil python3-docutils python3-jmespath python3-olefile python3-pil python3-pygments
  python3-roman python3-rsa python3-s3transfer sgml-base xml-core
Use 'sudo apt autoremove' to remove them.
The following additional packages will be installed:
  libgd3 libnginx-mod-http-geoip2 libnginx-mod-http-image-filter libnginx-mod-http-xslt-filter
  libnginx-mod-mail libnginx-mod-stream libnginx-mod-stream-geoip2 libxslt1.1 nginx-common nginx-core
Suggested packages:
  libgd-tools fcgiwrap nginx-doc ssl-cert
The following NEW packages will be installed:
  libgd3 libnginx-mod-http-geoip2 libnginx-mod-http-image-filter libnginx-mod-http-xslt-filter
  libnginx-mod-mail libnginx-mod-stream libnginx-mod-stream-geoip2 libxslt1.1 nginx nginx-common nginx-core
0 upgraded, 11 newly installed, 0 to remove and 15 not upgraded.
Need to get 991 kB of archives.
```

Step 2: Systemctl commands to start the nginx service and enable it on boot

sudo systemctl start nginx

sudo systemctl enable nginx



```
ganesh@DESKTOP-FEJ0FC7: ~$ sudo systemctl start nginx
ganesh@DESKTOP-FEJ0FC7: ~$ #above starts nginx service
ganesh@DESKTOP-FEJ0FC7: ~$ #below command enables the nginx service to start on boot
ganesh@DESKTOP-FEJ0FC7: ~$ sudo systemctl enable nginx
```

Step 3: Systemctl commands to Check the status of the nginx service

sudo systemctl status nginx

```
ganesh@DESKTOP-FEJ0FC7:~$ sudo systemctl status nginx
● 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 2025-06-19 02:21:12 IST; 2min 42s ago
     Docs: man:nginx(8)
    Main PID: 2560 (nginx)
      Tasks: 13 (limit: 14253)
     Memory: 11.0M
    CGroup: /system.slice/nginx.service
            └─2560 "nginx: master process /usr/sbin/nginx -g daemon on; master_process on;"
              └─2562 "nginx: worker process"
                └─2563 "nginx: worker process"
                  └─2564 "nginx: worker process"
                    └─2565 "nginx: worker process"
                      └─2566 "nginx: worker process"
                        └─2567 "nginx: worker process"
                          └─2568 "nginx: worker process"
                            └─2569 "nginx: worker process"
                              └─2570 "nginx: worker process"
                                └─2571 "nginx: worker process"
                                  └─2572 "nginx: worker process"
                                    └─2573 "nginx: worker process"

Jun 19 02:21:12 DESKTOP-FEJ0FC7 systemd[1]: Starting A high performance web server and a reverse proxy server:
Jun 19 02:21:12 DESKTOP-FEJ0FC7 systemd[1]: Started A high performance web server and a reverse proxy server.
```

Step 4: curl localhost and check if the nginx web page is served

curl localhost

```
ganesh@DESKTOP-FEJ0FC7:~$ curl localhost
<!DOCTYPE html>
<html>
<head>
<title>Welcome to nginx!</title>
<style>
    body {
        width: 35em;
        margin: 0 auto;
        font-family: Tahoma, Verdana, Arial, sans-serif;
    }
</style>
</head>
<body>
<h1>Welcome to nginx!</h1>
<p>If you see this page, the nginx web server is successfully installed and
working. Further configuration is required.</p>

<p>For online documentation and support please refer to
<a href="http://nginx.org/">nginx.org</a>.<br/>
Commercial support is available at
<a href="http://nginx.com/">nginx.com</a>.</p>

<p><em>Thank you for using nginx.</em></p>
</body>
</html>
ganesh@DESKTOP-FEJ0FC7:~$
```