بهنام خدا

devops@ubuntu–server:~\$ sudo apt install nginx [sudo] password for devops: Reading package lists... Done Building dependency tree... Done Reading state information... Done 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 libxpm4 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 libxpm4 nginx nginx-common upgraded, 11 newly installed, 0 to remove and 53 not upgraded. Need to get 864 kB of archives. After this operation, 2,950 kB of additional disk space will be used. Do you want to continue? [Y/n]

```
devops@ubuntu–server:~$ sudo systemctl start nginx
[sudo] password for devops:
sudo: a password is required
devops@ubuntu–server:~$ 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 Mon 2025-09-15 10:05:01 +0330; 24min ago
       Docs: man:nginx(8)
    Process: 24107 ExecStartPre=/usr/sbin/nginx -t -q -g daemon on; master_process on; (code=exited)
    |Process: 24108 ExecStart=/usr/sbin/nginx –g daemon on; master_process on; (code=exited, status=
   Main PID: 24200 (nginx)
Tasks: 2 (limit: 2220)
Memory: 3.6M
        CPU: 29ms
     CGroup: /system.slice/nginx.service
             Sep 15 10:05:01 ubuntu–server systemd[1]: Starting A high performance web server and a reverse proxy
Sep 15 10:05:01 ubuntu–server systemd[1]: Started A high performance web server and a reverse proxy>
devops@ubuntu–server:~$ mkdir –p /var/www/mysite
mkdir: cannot create directory '/var/www/mysite': Permission denied
devops@ubuntu–server:~$ sudo mkdir –p /var/www/mysite
[sudo] password for devops:
devops@ubuntu–server:~$
```

-1



sudo mkdir -p /var/www/mysite sudo nano /var/www/mysite/index.html

-2

فایل کانفیگ

Hello World

```
devopsœubuntu–server:~$ cd ~
devops@ubuntu–server:~$ mkdir myflaskapp
devops@ubuntu–server:~$ cd myflaskapp
devops@ubuntu–server:~%myflaskapp$ mkdir app.py
devops@ubuntu–server:~/myflaskapp$ mkdir app.py
devops@ubuntu–server:~/myflaskapp$ _
```

```
GNU nano 6.2
                                                            арр.рч
from flask import Flask
app = Flask(__name__)
@app.route("/")
def hello():
    return "Hello Worldddd"
if __name__ == "__main__":
app.run(host="0.0.0.0", port=3000)
                                                  [ W<u>rote 10 line</u>s ]
                                                                                      ^C Location
                                                                                         Location M—U Undo
Go To Line M—E Redo
                 ^O Write Out
^R Read File
                                  ^W Where Is
   Help
                                                                        Execute
   Exit
                    Read File
                                     Replace
                                                       Paste
                                                                        Justify
```

```
root /var/www/mysite;
       # Add index.php to the list if you are using PHP
       index index.html index.htm index.nginx-debian.html;
       server_name _;
       location / {
    # First attempt to serve request as file, then
    # as directory, then fall back to displaying a 404.
                   proxy_pass
                   proxy_set_header Host $host;
                  proxy_set_header X-Real-IP $remote_addr;
proxy_set_header X-Forwarded-For $proxy_add_x_forwarded_for;
proxy_set_header X-Forwarded-Proto $scheme;
try_files $uri $uri/ =404;
       # pass PHP scripts to FastCGI server
       #location ~ \.php$ {
                   include snippets/fastcgi-php.conf;
                ^O Write Out
^R Read File
                                     ^W Where Is
^\ Replace
                                                          ^K Cut
^U Pasi
                                                                               ^T Execute
^J Justifu
                                                                                                    ^C Location
^/ Go To Line
                                                                                                       Location M—U Undo
Go To Line M—E Redo
Help
                                                                                   Justify
Exit
                    Read File
                                         Replace
                                                              Paste
```

```
devops@ubuntu—server:~/myflaskapp$ python3 app.py

* Serving Flask app 'app'

* Debug mode: off

* ARNING: This is a development server. Do not use it in a production deployment. Use a production WS

GI server instead.

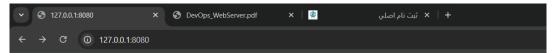
* Running on all addresses (0.0.0.0)

* Running on http://127.0.0.1:3000

* Running on http://10.0.2.15:3000

Press CTRL+C to quit

127.0.0.1 - - [15/Sep/2025 11:42:50] "GET / HTTP/1.0" 200 -
```



Hello Worldddd

```
from flask import Flask
app = Flask(__name__)

@app.route("/")
def hello():
    return "Hello World 3000"

if __name__ == "__main__":
    app.run(host="0.0.0.0", port=3000)

@app.run(host="0.0.0.0", port=3000)

@app.run(host="0.0.0.0", port=3000)
```

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```
devops@ubuntu–server:~$ mkdir ~/myflaskapp2
devops@ubuntu–server:~$ cd ~/myflaskapp2
devops@ubuntu–server:~/myflaskapp2$ nano app.py_
   GNU nano 6.2
                                                                       app.py
from flask import Flask
app = Flask(__name__)
@app.route("/")
def hello():
     return "Hello world 3001"
if __name__=="__main__":
app.run(host="0.0.0.0", port=3001)_
                                                            [ Wrote 9 lines ]
                                                                                                       ^C Location
                                                                                                                           M-U Undo
                        Write Out
                                          `W Where Is
                                                                                      Execute
    Help
                                                                 Cut
    Exit
                        Read File
                                             Replace
                                                                 Paste
                                                                                      Justify
                                                                                                           Go To Line M-E Redo
```

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```
devops@ubuntu–server:~/myflaskapp$ python3 app.py &
[1] 25631
devops@ubuntu–server:~/myflaskapp$ * Serving Flask app 'app'
 * Debug mode: off
WARNING: This is a development server. Do not use it in a production deployment. Use a production
 * Running on all addresses (0.0.0.0)
 * Running on http://127.0.0.1:3000
 * Running on http://10.0.2.15:3000
 Press CTRL+C to quit
^C
devops@ubuntu–server:~/myflaskapp$ cd ~
devops@ubuntu–server:~$ cd ~/myflaskapp2
devops@ubuntu–server:~/myflaskapp2$ python3 app.py &
devops@ubuntu–server:~/myflaskapp2$ * Serving Flask app 'app'
 * Debug mode: off
WARNING: This is a development server. Do not use it in a production deployment. Use a production
 * Running on all addresses (0.0.0.0)
 * Running on http://127.0.0.1:3001
 * Running on http://10.0.2.15:3001
  ress CTRL+C to quit
devops@ubuntu-server:~$ curl http://127.0.0.1

127.0.0.1 - _ [15/Sep/2025 12:15:50] "GET / HTTP/1.0" 200 -

Hello World 3001pevops@ubuntu-server:~$ curl http://127.0.0.1

127.0.0.1 - _ [15/Sep/2025 12:16:27] "GET / HTTP/1.0" 200 -

Hello World 3000pevops@ubuntu-server:~$ curl http://127.0.0.1

127.0.0.1 - _ [15/Sep/2025 12:16:30] "GET / HTTP/1.0" 200 -

Hello World 3001devops@ubuntu-server:~$ curl http://127.0.0.1

127.0.0.1 - _ [15/Sep/2025 12:16:31] "GET / HTTP/1.0" 200 -
Hello World 3000devops@ubuntu–server:~$
```

sudo apt install apache2-utils -y

```
Sudo apt mistan apaonoz-unis -y
```

```
devops@ubuntu—server:~$ susudo htpasswd —c /etc/nginx/.htpasswd Yalda
susudo: command not found
devops@ubuntu—server:~$ sudo htpasswd —c /etc/nginx/.htpasswd Yalda
[sudo] password for devops:
New password:
Re—type new password:
Adding password for user Yalda
devops@ubuntu—server:~$ _
```

```
server_name _;
           location / {
                       root /var/www/mysite;
                       index index.hml;
try_files $uri $uri/ =404;
           location /protected{
root /var/www/mysite;
index index.html;
                       auth_basic "Restricted Area";
                       auth_basic_user_file /etc/nginx/.htpasswd;
           location ~/\.hit{
deny all;
           # pass PHP scripts to FastCGI server
           #location ~ \.php$ {
                       include snippets/fastcgi-php.conf;
                       # With php-fpm (or other unix sockets):
                       fastcgi_pass unix:/run/php/php7.4-fpm.sock;
                       # With php-cgi (or other tcp sockets):
devops@ubuntu–server:~$ sudo nginx –t
nginx: the configuration file /etc/nginx/nginx.conf syntax is ok
nginx: the configuration file /etc/nginx/nginx.conf squax is on nginx: configuration file /etc/nginx/nginx.conf test is successful devops@ubuntu–server:~$ sudo systemctl restart nginx devops@ubuntu–server:~$
```

