

# Hosting Web Application

-Snehal Deshmukh

Pull a nginx docker image and host it's welcome page by running a docker container on port 8080

```
Welcome to Linux!
snehal@ubuntu:~$ docker images
REPOSITORY    TAG       IMAGE ID       CREATED        SIZE
hello-world   latest    feb5d9fea6a5   18 months ago 13.3kB
snehal@ubuntu:~$ docker pull nginx
Using default tag: latest
latest: Pulling from library/nginx
f1f26f570256: Pull complete
7f7f30930c6b: Pull complete
2836b727df80: Pull complete
e1eeb0f1c06b: Pull complete
86b2457cc2b0: Pull complete
9862f2ee2e8c: Pull complete
Digest: sha256:2ab30d6ac53580a6db8b657abf0f68d75360ff5cc1670a85acb5bd85ba1b19c0
Status: Downloaded newer image for nginx:latest
docker.io/library/nginx:latest
snehal@ubuntu:~$ docker images
REPOSITORY    TAG       IMAGE ID       CREATED        SIZE
nginx         latest    080ed0ed8312   7 hours ago    142MB
hello-world   latest    feb5d9fea6a5   18 months ago 13.3kB
```

```
snehal@ubuntu:~$ docker images
REPOSITORY      TAG         IMAGE ID      CREATED        SIZE
nginx            latest      080ed0ed8312  8 hours ago   142MB
hello-world      latest      feb5d9fea6a5  18 months ago 13.3kB
snehal@ubuntu:~$ docker run -it --name webserver1 -p 8000:80 nginx
/docker-entrypoint.sh: /docker-entrypoint.d/ is not empty, will attempt to perform configuration
/docker-entrypoint.sh: Looking for shell scripts in /docker-entrypoint.d/
/docker-entrypoint.sh: Launching /docker-entrypoint.d/10-listen-on-ipv6-by-default.sh
10-listen-on-ipv6-by-default.sh: info: Getting the checksum of /etc/nginx/conf.d/default.conf
10-listen-on-ipv6-by-default.sh: info: Enabled listen on IPv6 in /etc/nginx/conf.d/default.conf
/docker-entrypoint.sh: Launching /docker-entrypoint.d/20-envsubst-on-templates.sh
/docker-entrypoint.sh: Launching /docker-entrypoint.d/30-tune-worker-processes.sh
/docker-entrypoint.sh: Configuration complete; ready for start up
2023/03/29 06:45:35 [notice] 1#1: using the "epoll" event method
2023/03/29 06:45:35 [notice] 1#1: nginx/1.23.4
2023/03/29 06:45:35 [notice] 1#1: built by gcc 10.2.1 20210110 (Debian 10.2.1-6)
2023/03/29 06:45:35 [notice] 1#1: OS: Linux 4.15.0-206-generic
2023/03/29 06:45:35 [notice] 1#1: getrlimit(RLIMIT_NOFILE): 1048576:1048576
2023/03/29 06:45:35 [notice] 1#1: start worker processes
2023/03/29 06:45:35 [notice] 1#1: start worker process 30
2023/03/29 06:45:35 [notice] 1#1: start worker process 31
172.17.0.1 - - [29/Mar/2023:06:59:30 +0000] "GET / HTTP/1.1" 200 615 "-" "Mozilla/5.0 (X11; Ubuntu; Linux x86_64; rv:109.0) Gecko/20100101 Firefox/111.0" "-"
2023/03/29 06:59:30 [error] 31#31: *1 open() "/usr/share/nginx/html/favicon.ico" failed (2: No such file or directory), client: 172.17.0.1, server: localhost, request: "GET /favicon.ico HTTP/1.1", host: "localhost:8000", referrer: "http://localhost:8000/"
172.17.0.1 - - [29/Mar/2023:06:59:30 +0000] "GET /favicon.ico HTTP/1.1" 404 153 "http://localhost:8000/" "Mozilla/5.0 (X11; Ubuntu; Linux x86_64; rv:109.0) Gecko/20100101 Firefox/111.0" "-"
```



# Welcome to nginx!

If you see this page, the nginx web server is successfully installed and working. Further configuration is required.

For online documentation and support please refer to [nginx.org](https://nginx.org).  
Commercial support is available at [nginx.com](https://nginx.com).

*Thank you for using nginx.*

Pull a nginx docker image and host it's welcome page by running a docker container on port 8082

```
see 'docker run --help'.
snehal@ubuntu:~$ docker run -it --name webserver -p 8082:80 nginx
/docker-entrypoint.sh: /docker-entrypoint.d/ is not empty, will attempt to perform configuration
/docker-entrypoint.sh: Looking for shell scripts in /docker-entrypoint.d/
/docker-entrypoint.sh: Launching /docker-entrypoint.d/10-listen-on-ipv6-by-default.sh
10-listen-on-ipv6-by-default.sh: info: Getting the checksum of /etc/nginx/conf.d/default.conf
10-listen-on-ipv6-by-default.sh: info: Enabled listen on IPv6 in /etc/nginx/conf.d/default.conf
/docker-entrypoint.sh: Launching /docker-entrypoint.d/20-envsubst-on-templates.sh
/docker-entrypoint.sh: Launching /docker-entrypoint.d/30-tune-worker-processes.sh
/docker-entrypoint.sh: Configuration complete; ready for start up
2023/03/29 07:04:11 [notice] 1#1: using the "epoll" event method
2023/03/29 07:04:11 [notice] 1#1: nginx/1.23.4
2023/03/29 07:04:11 [notice] 1#1: built by gcc 10.2.1 20210110 (Debian 10.2.1-6)
2023/03/29 07:04:11 [notice] 1#1: OS: Linux 4.15.0-206-generic
2023/03/29 07:04:11 [notice] 1#1: getrlimit(RLIMIT_NOFILE): 1048576:1048576
2023/03/29 07:04:11 [notice] 1#1: start worker processes
2023/03/29 07:04:11 [notice] 1#1: start worker process 29
2023/03/29 07:04:11 [notice] 1#1: start worker process 30
172.17.0.1 - - [29/Mar/2023:07:05:03 +0000] "GET / HTTP/1.1" 200 615 "-" "Mozilla/5.0 (X11; Ubuntu; Linux x86_64; rv:109.0) Gecko/20100101 Firefox/111.0" "-"
2023/03/29 07:05:03 [error] 29#29: *1 open() "/usr/share/nginx/html/favicon.ico" failed (2: No such file or directory), client: 172.17.0.1, server: localhost, request: "GET /favicon.ico HTTP/1.1", host: "localhost:8082", referer: "http://localhost:8082/"
172.17.0.1 - - [29/Mar/2023:07:05:03 +0000] "GET /favicon.ico HTTP/1.1" 404 153 "http://localhost:8082/" "Mozilla/5.0 (X11; Ubuntu; Linux x86_64; rv:109.0) Gecko/20100101 Firefox/111.0" "-"
```



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