

How to Install Docker & Run your First Docker Container (Nginx)



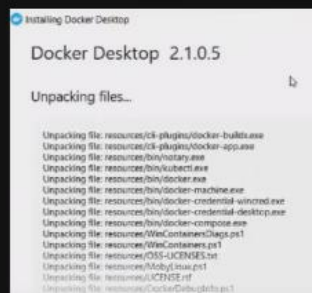
Steps:-

i) Visit the Below Link & Download the Docker Setup, for Demo we are using Windows Operating System.

Link: = <https://www.docker.com/>

ii) Once the setup is Downloaded run the installer exe.

iii) Choose your configuration let it be as default then after Docker will Install itself.



iv) Once Docker is install restart your operating system.

v) Now to check that Docker is successfully installed run the below command on command prompt or PowerShell. Once the command is executed you can see the version of Docker in CMD.

```
C:\Users\hp>docker -v
Docker version 20.10.21, build baeda1f
```

Let's Install the (Nginx) Image & run the container.

vi) To install the Nginx Image run the below command

```
C:\Users\hp>docker pull nginx
Using default tag: latest
latest: Pulling from library/nginx
025c56f98b67: Already exists
ec0f5d052824: Pull complete
cc9fb8360807: Pull complete
defc9ba04d7c: Pull complete
885556963dad: Pull complete
f12443e5c9f7: Pull complete
Digest: sha256:75263be7e5846fc69cb6c42553ff9c93d653d769b94917dbda71d42d3f3c00d3
Status: Downloaded newer image for nginx:latest
docker.io/library/nginx:latest
```

Once the image is successfully pull we can run the container.

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www.linkedin.com/in/devops-learning

vii) We are Running the container at port 80 to run the Nginx Image execute the below command

```
C:\Users\hp>docker run --name docker-nginx -p 80:80 -d nginx
```

This flag causes Docker to start the container in "detached" mode

Container Image Name

Port Expose

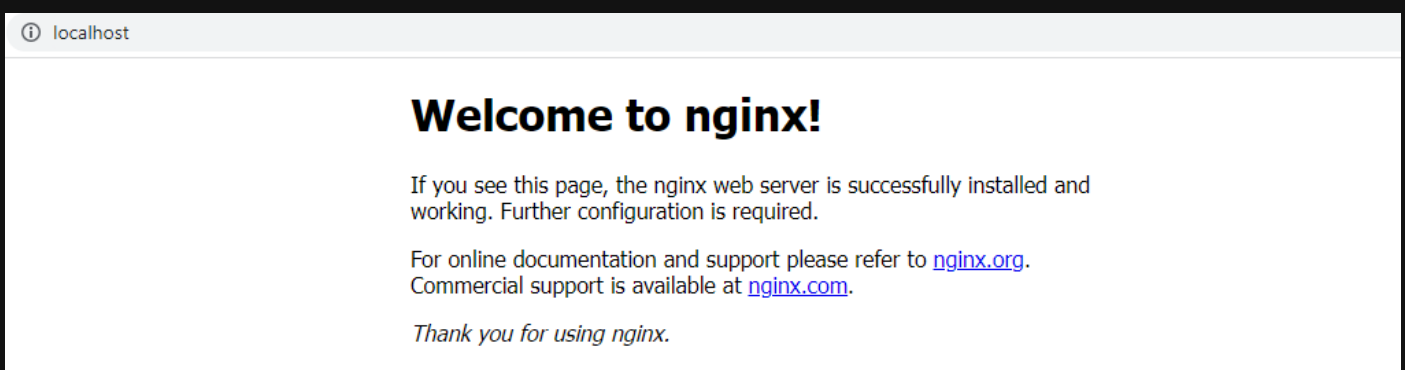
once the command is executed you can see there is one container id generated by docker

```
C:\Users\hp>docker run --name docker-nginx -p 80:80 -d nginx
97c1060908d297fd0b9dffccb7abff9f3b8462bca5986177c4a4f08d6542fb4e
```

viii) To verify that your Nginx Container is successfully running go to browser and hit the below URL

```
http://localhost/
```

You can see your Nginx Container is Running Successfully.



Note:- To stop the docker container go to your Docker Desktop, go to containers section delete or pause the container docker-nginx