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Academic Year: 2024-25

Class / Branch: TE IT Subject: DevOPs Lab (DL)

Subject Lab In-charge: Prof. Sujata Oak

Semester: V

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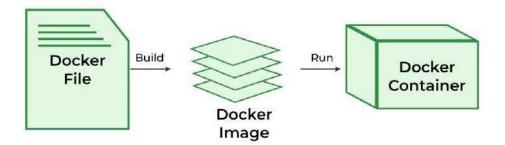
EXPERIMENT NO. 09

Aim: To build an image for a sample web application from a CLI and docker file using various docker file instructions

Theory: The Dockerfile uses DSL (Domain Specific Language) and contains instructions for generating a Docker image. Dockerfile will define the processes to quickly produce an image. While creating your application, you should create a Dockerfile in order since the Docker daemon runs all of the instructions from top to bottom.

An artifact with several layers and a lightweight, compact stand-alone executable package that contains all of the components required to run a piece of software, including the code, a runtime, libraries, environment variables, and configuration files is called a <u>Docker image</u>.

A container is a runtime instance of an image. Containers make development and deployment more efficient since they contain all the dependencies and parameters needed for the application it runs completely isolated from the host environment.



Dockerfile commands/Instructions

1. FROM

• Represents the base image(OS), which is the command that is executed first before any other commands.

Syntax

FROM < ImageName>

2. COPY

• The copy command is used to copy the file/folders to the image while building the image.



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Syntax:

COPY <Source> <Destination>

3] RUN

• Scripts and commands are run with the RUN instruction. The execution of RUN commands or instructions will take place while you create an image on top of the prior layers (Image).

Syntax

RUN < Command + ARGS>

4] CMD

• The main purpose of the CMD command is to start the process inside the container and it can be overridden.

Syntax

CMD [command + args]

Stages of Creating Docker Image from Dockerfile

The following are the stages of creating docker image form Dockerfile:

- 1. Create a file named Dockerfile.
- 2. Add instructions in Dockerfile.
- 3. Build Dockerfile to create an image.
- 4. Run the image to create a container.

IMPLEMENTATION:

PART I: Containerize an application using docker CLI Commands:

Let's create an nginx webserver, it is a web server platform which helps to host your web applications.

STEP1: Download nginx official image and then containerized your web application in it.

#docker images

root@labvm:	/home/deva	sc/Desktop/DOCKE	ER_LAB# docker	images
REPOSITORY	TAG	IMAGE ID	CREATED	SIZE
mysql	latest	245a6c909dc0	11 days ago	921MB
nginx	latest	2cd1d97f893f	2 weeks ago	192MB
ubuntu	latest	65ae7a6f3544	2 weeks ago	78.1MB

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```
oot@apsit-HP-ProDesk-600-G4-PCI-MT:/home/apsit/Documents/git-SiddhiT# docker container rm $(docker
e184b46df0a6
e70db86213b7
93de985e318b
64d6a04b1ebd
8320e56c7771
d3a7bf9ebe10
root@apsit-HP-ProDesk-600-G4-PCI-MT:/home/apsit/Documents/git-SiddhiT# docker container ls -aq
root@apsit-HP-ProDesk-600-G4-PCI-MT:/home/apsit/Documents/git-SiddhiT# docker container ls -a
                        COMMAND CREATED
                                            STATUS
CONTAINER ID IMAGE
                                                       PORTS
                                                                 NAMES
root@apsit-HP-ProDesk-600-G4-PCI-MT:/home/apsit/Documents/git-SiddhiT# docker images
                      IMAGE ID
                                      CREATED
REPOSITORY
             TAG
                                                     SIZE
                                      2 weeks ago
mysql
             latest
                       fe7f726d39a6
                                                      921MB
nginx
             latest
                       53a18edff809
                                      6 months ago
                                                      192MB
                                      6 months ago
                                                      78.1MB
                       a04dc4851cbc
ubuntu
             latest
             3.4
                       f76f959b2a49
                                                      431MB
                                      5 years ago
mongo
```

docker rmi mysql nginx ubuntu

#docker images

```
devasc@labvm:~/Desktop/sujata-docker$ sudo su
root@labvm:/home/devasc/Desktop/sujata-docker# docker images
REPOSITORY TAG IMAGE ID CREATED SIZE
```

#docker ps -a

```
root@labvm:/home/devasc/Desktop/sujata-docker# docker ps -a
CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS NAMES
```

#docker pull nginx

```
root@apsit-HP-ProDesk-600-G4-PCI-MT:/home/apsit/Documents/git-SiddhiT# docker pull nginx:latest latest: Pulling from library/nginx
59e22667830b: Pull complete
140da4f89dcb: Pull complete
96e47e70491e: Pull complete
2ef442a3816e: Pull complete
4b1e45a9989f: Pull complete
1d9f51194194: Pull complete
f30ffbee4c54: Pull complete
Digest: sha256:84ec966e61a8c7846f509da7eb081c55c1d56817448728924a87ab32f12a72fb
Status: Downloaded newer image for nginx:latest
docker.io/library/nginx:latest
root@apsit-HP-ProDesk-600-G4-PCI-MT:/home/apsit/Documents/git-SiddhiT#
```

#docker images

```
root@apsit-HP-ProDesk-600-G4-PCI-MT:/home/apsit/Documents/git-SiddhiT# docker images
REPOSITORY TAG IMAGE ID CREATED SIZE
nginx latest 2cd1d97f893f 3 weeks ago 192MB
root@apsit-HP-ProDesk-600-G4-PCI-MT:/home/apsit/Documents/git-SiddhiT# [
```

STEP2: Run the container from nginx image

docker run --name webserver1 5ef





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root@apsit-HP-ProDesk-600-G4-PCI-MT:/home/apsit/Documents/git-SiddhiT# docker run --name webserver--siddhi 2cd /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

In another terminal

#docker ps -a

root@apsit-HP-ProDesk-600-G4-PCI-MT:/home/apsit# docker ps -a CONTAINER ID **IMAGE** COMMAND CREATED STATUS **PORTS** NAMES "/docker-entrypoint... Up 50 seconds 80/tcp webserver--siddhi 2c7ea1e725f2 2cd 52 seconds ago root@apsit-HP-ProDesk-600-G4-PCI-MT:/home/apsit#

In previous terminal: ctrl+C ie; exit from container

In another terminal

#docker ps -a

root@apsit-HP-ProDesk-600-G4-PCI-MT:/home/apsit# docker ps -a

CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS NAMES

2c7ea1e725f2 2cd "/docker-entrypoint..." 2 minutes ago Exited (0) 23 seconds ago webserver--siddhi

Remove the container: 1 terminal

root@apsit-HP-ProDesk-600-G4-PCI-MT:/home/apsit/Documents/git-SiddhiT# docker container rm 2c7 2c7 root@apsit-HP-ProDesk-600-G4-PCI-MT:/home/apsit/Documents/git-SiddhiT#

2 terminal

root@apsit-HP-ProDesk-600-G4-PCI-MT:/home/apsit# docker ps -a
CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS NAMES
root@apsit-HP-ProDesk-600-G4-PCI-MT:/home/apsit# []

In terminal 1:

docker run -it -p 3031:80 --name server1 nginx:latest bash

root@apsit-HP-ProDesk-600-G4-PCI-NT:/home/apsit/Documents/git-SiddhiT# docker run -it -p 3031:80 --name server-siddhi nginx:latest bash root@b6f77004ee35:/#

In Another Terminal:

#docker ps -a

root@apsit-HP-ProDesk-600-G4-PCI-NT:/home/apsit# docker ps -a
CONTAINER ID IMAGE COMMAND
CREATED STATUS PORTS NAMES
b6777804ee35 nginx:latest "/docker-entrypoint..." About a minute ago Up About a minute 0.0.0.0:3631->80/tcp, :::3631->80/tcp server-siddhi
root@apsit-HP-ProDesk-600-G4-PCI-NT:/home/apsit# |



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Lets create a static website inside container. I need to go to the location where my index.html file is:

cd /usr/share/nginx/html/

root@b6f77004ee35:/# cd /usr/share/nginx/html/ root@b6f77004ee35:/usr/share/nginx/html# ls 50x.html index.html

root@0b847b3b176c:/usr/share/nginx/html#ls

root@b6f77004ee35:/# cd /usr/share/nginx/html/ root@b6f77004ee35:/usr/share/nginx/html# ls 50x.html index.html

Rename the default index.html to index.html backup

root@0b847b3b176c:/usr/share/nginx/html#

root@b6f77004ee35:/usr/share/nginx/html# mv index.html index.html backup root@b6f77004ee35:/usr/share/nginx/html# nano index.html bash: nano: command not found root@b6f77004ee35:/usr/share/nginx/html# apt insatll nano

#nano index.html

root@0b847b3b176c:/usr/share/nginx/html# nano index.html

Nano not found: Because the container that I am running inside the shell says that nano application is not available inside the container. So first install nano: apt install nano

oot@0b847b3b176c:/usr/share/nginx/html# nano index.html bash: nano: command not found

root@0b847b3b176c:/usr/share/nginx/html# apt install nano Reading package lists... Done Building dependency tree... Done Reading state information... Done Package nano is not available, but is referred to by another package. This may mean that the package is missing, has been obsoleted, or is only available from another source Package 'nano' has no installation candidate

root@0b847b3b176c:/usr/share/nginx/html# apt update

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```
root@b6f77004ee35:/usr/share/nginx/html# apt update
Get:1 http://deb.debian.org/debian bookworm InRelease [151 kB]
Get:2 http://deb.debian.org/debian bookworm-updates InRelease [55.4 kB]
Get:3 http://deb.debian.org/debian-security bookworm-security InRelease [48.0 kB]
Get:4 http://deb.debian.org/debian bookworm/main amd64 Packages [8793 kB]
Get:5 http://deb.debian.org/debian bookworm-updates/main amd64 Packages [6916 B]
Get:6 http://deb.debian.org/debian-security bookworm-security/main amd64 Packages [272 k
Fetched 9327 kB in 2s (5019 kB/s)
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
2 packages can be upgraded. Run 'apt list --upgradable' to see them.
root@b6f77004ee35:/usr/share/nginx/html# apt install nano
```

#apt install nano

```
root@0b847b3b176c:/usr/share/nginx/html# apt install nano
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following additional packages will be installed:
libgpm2 libncursesw6
Suggested packages:
 gpm hunspell
```

root@0b847b3b176c:/usr/share/nginx/html# nano index.html

```
<!DOCTYPE html>
<html>
<head>
<meta name="viewport" content="width=device-width, initial-scale=1">
<title> Login Page </title>
<style>
Body {
 font-family: Calibri, Helvetica, sans-serif;
 background-color: pink;
button {
    background-color: #4CAF50;
    width: 100%;
    color: orange;
     padding: 15px;
    margin: 10px 0px;
     border: none:
     cursor: pointer;
     }
form {
    border: 3px solid #f1f1f1;
```





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}

 $input[type=text], input[type=password] \ \{\\$



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```
width: 100%;
    margin: 8px 0;
    padding: 12px 20px;
    display: inline-block;
    border: 2px solid green;
    box-sizing: border-box;
  }
button:hover {
    opacity: 0.7;
 .cancelbtn {
    width: auto;
    padding: 10px 18px;
    margin: 10px 5px;
  }
.container {
    padding: 25px;
    background-color: lightblue;
</style>
</head>
<body>
  <center> <h1> <b>Student Login Form Designed by Sujata Oak</b> </h1> </center>
  <form>
    <div class="container">
      <label>Username : </label>
      <input type="text" placeholder="Enter Username" name="username" required>
      <label>Password : </label>
      <input type="password" placeholder="Enter Password" name="password" required>
      <button type="submit">Login</button>
      <input type="checkbox" checked="checked"> Remember me
      <button type="button" class="cancelbtn"> Cancel/button>
      Forgot <a href="#"> password? </a>
    </div>
  </form>
</body>
</html>
```



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To check nginx service status:

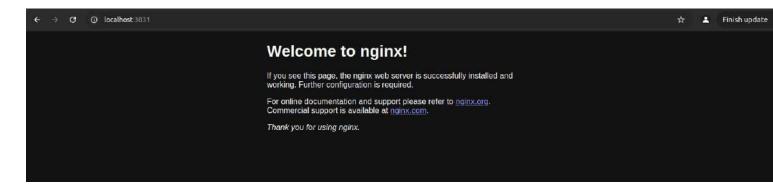
```
root@b6f77004ee35:/# service nginx status
nginx is not running ... failed!
```

#service nginx start

```
root@b6f77004ee35:/# service nginx start
2025/08/06 05:38:23 [notice] 22#22: using the "epoll" event method
2025/08/06 05:38:23 [notice] 22#22: nginx/1.29.0
2025/08/06 05:38:23 [notice] 22#22: built by gcc 12.2.0 (Debian 12.2.0-14+deb12u1)
2025/08/06 05:38:23 [notice] 22#22: OS: Linux 6.2.0-26-generic
2025/08/06 05:38:23 [notice] 22#22: getrlimit(RLIMIT_NOFILE): 1048576:1048576
2025/08/06 05:38:23 [notice] 23#23: start worker processes
2025/08/06 05:38:23 [notice] 23#23: start worker process 24
2025/08/06 05:38:23 [notice] 23#23: start worker process 25
2025/08/06 05:38:23 [notice] 23#23: start worker process 26
2025/08/06 05:38:23 [notice] 23#23: start worker process 27
2025/08/06 05:38:23 [notice] 23#23: start worker process 28
2025/08/06 05:38:23 [notice] 23#23: start worker process 29
2025/08/06 05:38:23 [notice] 23#23: start worker process 29
2025/08/06 05:38:23 [notice] 23#23: start worker process 30
```

STEP 3:

GOTO BROWSER: localhost:3031



To See the logs on first terminal:

```
EVEZ/08/08 03.38.23 [NOTTEE] 23#23. Staft worker process 33
172.17.0.1 - - [06/Aug/2025:05:38:28 +0000] "GET / HTTP/1.1" 200 615 "-" "Mozilla/5.0 (X11; Linux x86_64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/132.0.0.0 Safari /537.36" "-"
2025/08/06 05:38:28 [error] 24#24: *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:3031", referrer: "http://localhost:3031/"
172.17.0.1 - - [06/Aug/2025:05:38:28 +0000] "GET /favicon.ico HTTP/1.1" 404 555 "http://localhost:3031/" "Mozilla/5.0 (X11; Linux x86_64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/132.0.0.0 Safari/537.36" "-"
```

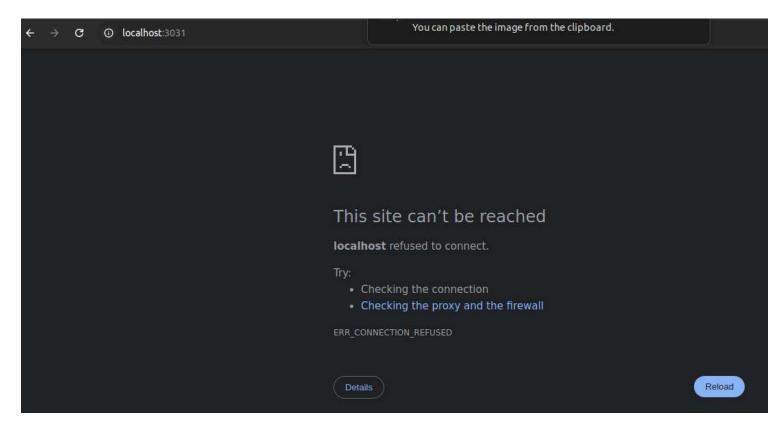
```
root@apsit-HP-ProDesk-600-G4-PCI-MT:/home/apsit# docker stop b6f77004ee35
b6f77004ee35
```



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Goto browser Refresh page . Your Container is stopped now



root@labvm:/home/devasc/Desktop/sujata-docker# docker start 0b8 0b8

Goto browser Refresh page . Your Container is not started

root@labvm:/home/devasc/Desktop/sujata-docker# docker restart 0b8 0b8



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Goto browser $\hfill \square$ Refresh page . Your Container is not restarted

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This site can't be reached

localhost refused to connect.

Try:

- Checking the connection
- Checking the proxy and the firewall

ERR CONNECTION REFUSED

docker exec 0b8 service nginx start

```
root@labvm:/home/devasc/Desktop/sujata-docker# docker exec 0b8 service nginx sta
..
2025/08/02 19:29:29 [notice] 18#18: using the "epoll" event method
2025/08/02 19:29:29 [notice] 18#18: nginx/1.29.0
2025/08/02 19:29:29 [notice] 18#18: built by gcc 12.2.0 (Debian 12.2.0-14+deb12u
2025/08/02 19:29:29 [notice] 18#18: OS: Linux 5.4.0-37-generic
2025/08/02 19:29:29 [notice] 18#18: getrlimit(RLIMIT_NOFILE): 1048576:1048576
2025/08/02 19:29:29 [notice] 19#19: start worker processes
2025/08/02 19:29:29 [notice] 19#19: start worker process 20
2025/08/02 19:29:29 [notice] 19#19: start worker process 21
```

Goto Browser and refresh it:





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root@labvm:/home/devasc/Desktop/sujata-docker# docker

#docker pause 0b8

\rightarrow	×	0	localhost	:3031							Q	☆	1	@
			Stud	lent L	ogiı	Forr	n Des	signe	d by	Suja	ta Oa	k		
sername :	ļ													
Enter User	mame													
Enter Past	sword													
							Login							
Rememb	ber me	Gano	Forgot g	assword?										

#docker unpause 0b8

root@labvm:/home/devasc/Desktop/sujata-docker# docker unpause 0b8 0b8

Firstly stop the container:

root@labvm:/home/devasc/Desktop/sujata-docker# docker stop 0b8 0b8

Then, Remove the Container

root@labvm:/home/devasc/Desktop/sujata-docker# docker container rm 0b8 0b8

To Verify container is removed or not:

root@labvm:/home/devasc/Desktop/sujata-docker# docker ps -a CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS NAMES



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PART II: DOCKERFILE

Creating a Docker Image for your Application:

This is the recommended workflow for creating your own Docker image for your application:

- 1. Write a Dockerfile for your application.
- 2. Build the image with docker build command.
- 3. Host your Docker image on a registry.
- 4. Pull and run the image on the target machine.

Docker builds images automatically by reading the instructions from a Dockerfile. It is a text file that contains all commands needed to build a given image.

STEP 1: # git clone https://github.com/sujataoak799/nginx-dockerfile.git

```
root@labvm:/home/devasc/Desktop/sujata-docker# git clone https://github.com/sujataoak79
9/nginx-dockerfile.git
Cloning into 'nginx-dockerfile'...
remote: Enumerating objects: 8, done.
remote: Counting objects: 100% (8/8), done.
remote: Compressing objects: 100% (6/6), done.
remote: Total 8 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
Unpacking objects: 100% (8/8), 2.63 KiB | 674.00 KiB/s, done.
```

```
root@labvm:/home/devasc/Desktop/sujata-docker# ls
nginx-dockerfile
```

```
root@labvm:/home/devasc/Desktop/sujata-docker# cd nginx-dockerfile/root@labvm:/home/devasc/Desktop/sujata-docker/nginx-dockerfile# ls
Dockerfile index.html README.md style.css
```

Step 2:

root@labvm:/home/devasc/Desktop/sujata-docker/nginx-dockerfile# nano Dockerfile



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```
GNU nano 4.8

FROM ubuntu

LABEL author="Sujata Oak"

RUN apt-get update

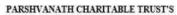
RUN apt-get install nginx -y

COPY . /var/www/html/

EXPOSE 80

CMD ["nginx","-g","daemon off;"]
```

#docker build -t sujatadocker2025/websitetest25.





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docker images

root@apsit-HP-ProDesk-600-G4-PCI-MT:/home/apsit/Documents/git-SiddhiT/docker-nginx/nginx-dockerfile# docker images REPOSITORY TAG IMAGE ID CREATED SIZE REPOSITORY siddhidocker2025/website25 136MB latest 2a5818839b03 13 seconds ago latest 2cd1d97f893f 3 weeks ago 192MB ubuntu latest 65ae7a6f3544 3 weeks ago 78.1MB root@apsit-HP-ProDesk-600-G4-PCI-MT:/home/apsit/Documents/git-SiddhiT/docker-nginx/nginx-dockerfile# 🗍

Step 3: Run the container now:

docker run -d -p 3032:80 --name sujata_webcontainer b4b

root@apsit-HP-ProDesk-600-G4-PCI-MT:/home/apsit/Documents/git-SiddhiT/docker-nginx/nginx-dockerfile# docker ps -a
CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS NAMES
855346cf2237 2a5 "nginx -g 'daemon of..." 51 seconds ago Up 49 seconds 0.0.0.0:3032->80/tcp, :::3032->80/tcp siddhi_webcontainer
root@apsit-HP-ProDesk-600-G4-PCI-MT:/home/apsit/Documents/git-SiddhiT/docker-nginx/nginx-dockerfile#

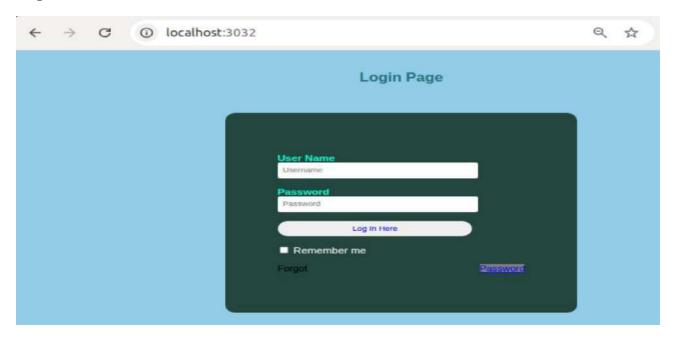
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Step 4: Goto Browser: localhost:3032



STEP 5: How to push this image to your dockerhub:

```
oot@apsit-HP-ProDesk-600-G4-PCI-MT:/home/apsit/Documents/git-SiddhiT/docker-nginx/nginx-dockerfile# docker images-
REPOSITORY
                                        IMAGE ID
                                                        CREATED
                              TAG
                                                                         SIZE
siddhidocker2025/website25
                                        2a5818839b03
                                                        5 minutes ago
                              latest
                                                                         136MB
nginx
                              latest
                                        2cd1d97f893f
                                                        3 weeks ago
                                                                         192MB
                              latest
                                        65ae7a6f3544
                                                        3 weeks ago
                                                                         78.1MB
```

docker push sujatadocker2025/websitetest25

```
oot@apsit-HP-ProDesk-600-G4-PCI-MT:/home/apsit/Documents/git-SiddhiT/docker-nginx/nginx-dockerfile# docker push siddhidocker2025/website25
Using default tag: latest
The push refers to repository [docker.io/siddhidocker2025/website25]
137f548d4f85: Preparing
do8f9ee8d24c: Preparing
1bbbbc1bb55d: Preparing
107cbdaeec04: Preparing
denied: requested access to the resource is denied
```

docker tag b4b 18061977/apsitsujatacontainer25:v1

```
root@apsit-HP-ProDesk-600-G4-PCI-MT:/home/apsit/Documents/git-SiddhiT/docker-nginx/nginx-dockerfile# docker images
REPOSITORY TAG IMAGE ID CREATED CTTT
siddhidocker2025/website25
itsSiddheee/apsitsiddhicontainer25
                                             latest
                                                         2a5818839b03
                                                                           7 minutes ago
                                                                                              136MB
                                                                                              136MB
                                                         2a5818839b03
                                                                           7 minutes ago
                                                                           3 weeks ago
                                             latest
                                                         2cd1d97f893f
nginx
ubuntu
                                                                                              192MB
                                                         65ae7a6f3544
                                                                            weeks ago
                                                                                              78.1MB
                                             latest
root@apsit-HP-ProDesk-600-G4-PCI-MT:/home/apsit/Documents/git-SiddhiT/docker-
                                                                                             nginx/nginx-dockerfile# 🗌
```



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root@apsit-HP-ProDesk-600-G4-PCI-MT:/home/apsit/Documents/git-SiddhiT/docker-nginx/nginx-dockerfile# docker login Authenticating with existing credentials..

WARNING! Your password will be stored unencrypted in /root/.docker/config.json. Configure a credential helper to remove this warning. See

https://docs.docker.com/engine/reference/commandline/login/#credentials-store

Login Succeeded

docker push 18061977/apsitsujatacontainer25:v1

root@apsit-HP-ProDesk-600-G4-PCI-NT:/home/apsit/Documents/git-SiddhiT/docker-nginx/nginx-dockerfile# docker push siddheee/apsitsiddhicontainer25:v1
The push refers to repository [docker.to/siddheee/apsitsiddhicontainer25]
137f548d485: Pushed
d68f9ee8d24c: Pushed
1bbbbc1bb55d: Pushed

107cbdaeec04: Pushed

v1: digest: sha256:f6b8240fbae64dafeac1203276bc0404a6968d6ff04de6f06bef39ba43fe1a2c size: 1161 root@apsit-HP-ProDesk-600-G4-PCI-NT:/home/apsit/Documents/git-SiddhiT/docker-nginx/nginx-dockerfile# [

root@apsit-HP-ProDesk-600-G4-PCI-MT:/home/apsit/Documents/git-SiddhiT/docker-nginx/nginx-dockerfile# docker tag 2a5 siddheee/apsitsiddhicontainer25:v1 root@apsit-HP-ProDesk-600-G4-PCI-MT:/home/apsit/Documents/git-SiddhiT/docker-nginx/nginx-dockerfile# docker images

REPOSITORY TAG IMAGE ID CREATED SIZE 2a5818839b03 siddhidocker2025/website25 latest 17 minutes ago 136MB itsSiddheee/apsitsiddhicontainer25 17 minutes ago V1 2a5818839b03 136MB 2a5818839b03/apsitsiddhicontainer25 2a5818839b03 17 minutes ago 136MB siddheee/apsitsiddhicontainer25 V1 2a5818839b03 17 minutes ago 136MB nginx latest 2cd1d97f893f 3 weeks ago 192MB ubuntu latest 65ae7a6f3544 3 weeks ago 78.1MB

root@apsit-HP-ProDesk-600-G4-PCI-MT:/home/apsit/Documents/git-SiddhiT/docker-nginx/nginx-dockerfile# docker tag 2a5 siddheee/apsitsiddhicontainer25:v1 oot@apsit-HP-ProDesk-600-G4-PCI-MT:/home/apsit/Documents/git-SiddhiT/docker-nginx/nginx-dockerfile# docker push 2a5818839b03/apsitsiddhicontainer25:v1

he push refers to repository [docker.io/2a5818839b03/apsitsiddhicontainer25]

137f548d4f85: Preparing d68f9ee8d24c: Preparing 1bbbbc1bb55d: Preparing 107cbdaeec04: Preparing

denied: requested access to the resource is denied

root@apsit-HP-ProDesk-600-64-PCI-MT:/home/apsit/Documents/git-SiddhiT/docker-nginx/nginx-dockerfile# docker push siddheee/apsitsiddhicontainer25:v1
The push refers to repository [docker.io/siddheee/apsitsiddhicontainer25]

137f548d4f85: Pushed

d68f9ee8d24c: Pushed 1bbbbc1bb55d: Pushed 107cbdaeec04: Pushed

v1: digest: sha256:f6b8240fbae64dafeac1203276bc0404a6968d6ff04de6f06bef39ba43fe1a2c size: 1161

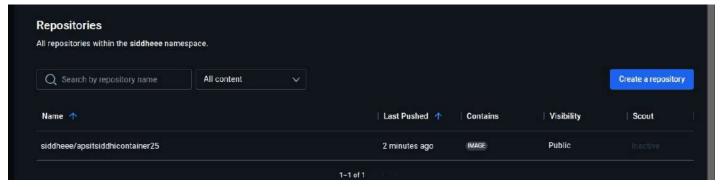


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Goto Docker hub page and refresh it:





Conclusion: In the experiment, we used various docker commands to pull images that were already built, also we created our own images by using docker file instructions for a sample web application and atlast we have pushed the image to docker hub account for others to use the repository.