#### Setup

```
dhiuhu@DESKTOP-ATLGL31:~$ docker run hello-world

Hello from Docker!
This message shows that your installation appears to be working correctly.

To generate this message, Docker took the following steps:

1. The Docker client contacted the Docker daemon.

2. The Docker daemon pulled the "hello-world" image from the Docker Hub. (amd64)

3. The Docker daemon created a new container from that image which runs the executable that produces the output you are currently reading.

4. The Docker daemon streamed that output to the Docker client, which sent it to your terminal.

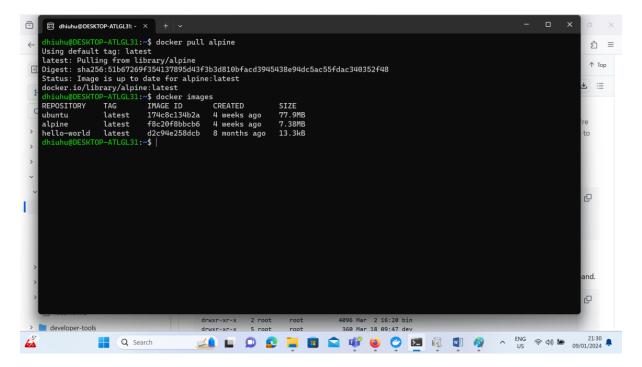
To try something more ambitious, you can run an Ubuntu container with:
$ docker run -it ubuntu bash

Share images, automate workflows, and more with a free Docker ID: https://bub.docker.com/

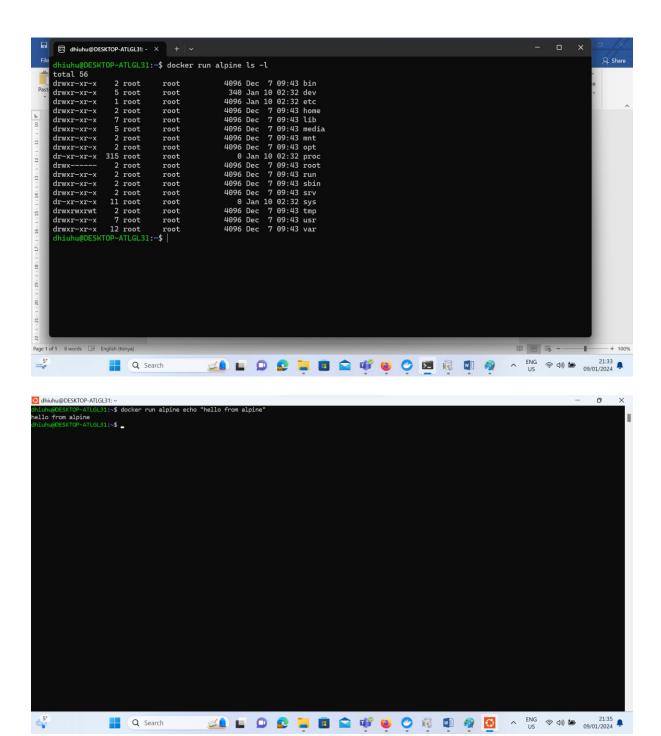
For more examples and ideas, visit: https://docs.docker.com/get-started/

dhiuhu@DESKTOP-ATLGL31:~$
```

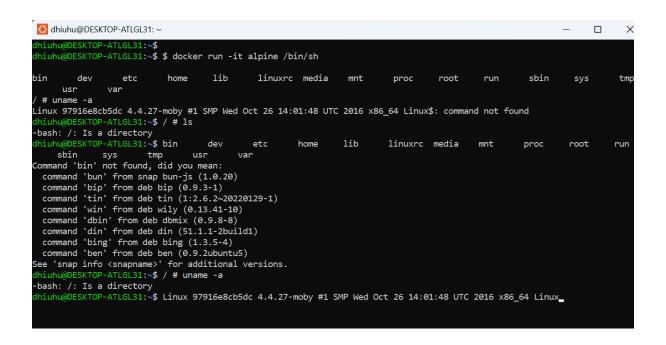
# 1.0 Running your first container



#### 1.1 Docker Run

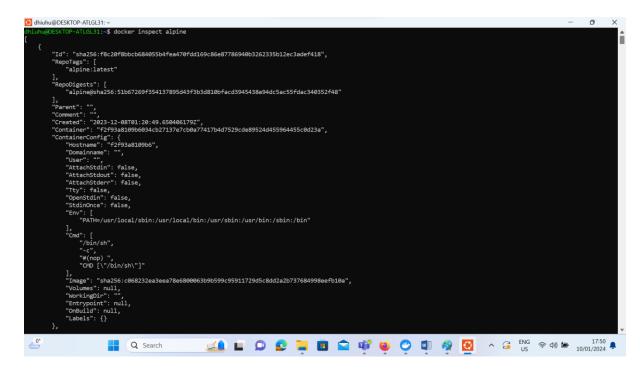


NTAINER ID		MAND CREATED STATUS	PORTS NAMES		
	P-ATLGL31:~\$ do		CDEATED	CTATUS	DODTO
ONTAINER ID	IMAGE	COMMAND	CREATED	STATUS	PORTS
e2cf9882eb5 elion	alpine	"/bin/sh"	About a minute ago	Created	
f659e47fa0d	alpine	"/bin/sh"	3 minutes ago	Created	
43ae33df7c2	alpine	"echo 'hello from al"	20 hours ago	Exited (0) 20 hours ago	
pascal 2b9fae24428	alpine	"ls -1"	20 hours ago	Exited (0) 20 hours ago	
ner	атртне	13 1	20 11001 5 050	Exited (0) 20 Hours ago	
35c107dbc50	alpine	"ls -1"	20 hours ago	Exited (0) 20 hours ago	
bfd876f491b tel	hello-world	"/hello"	20 hours ago	Exited (0) 20 hours ago	
ee1f9738e4e	alpine	"echo 'hey david her"	20 hours ago	Exited (0) 20 hours ago	
ing_montalci					
a1f4d8252a7 ande	alpine	"/bin/sh"	20 hours ago	Exited (0) 20 hours ago	
132f6a0d82b steur	ubuntu	"/bin/bash"	20 hours ago	Exited (0) 20 hours ago	
f3ce6a03f34	hello-world	"/hello"	20 hours ago	Exited (0) 20 hours ago	
22ce0d3d871 at	hello-world	"/hello"	20 hours ago	Exited (0) 20 hours ago	



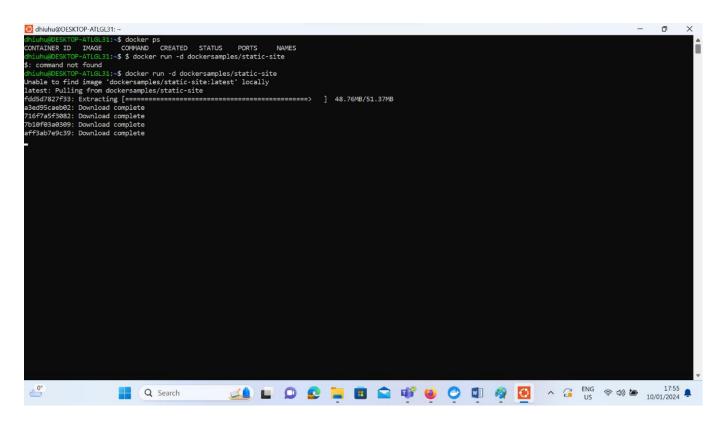
# 1.2 Terminology

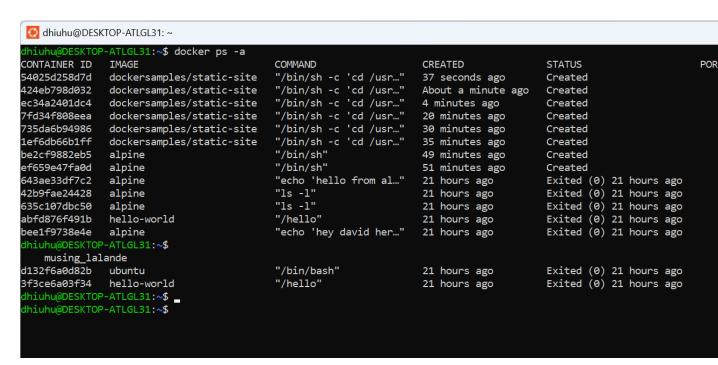
# **Images**



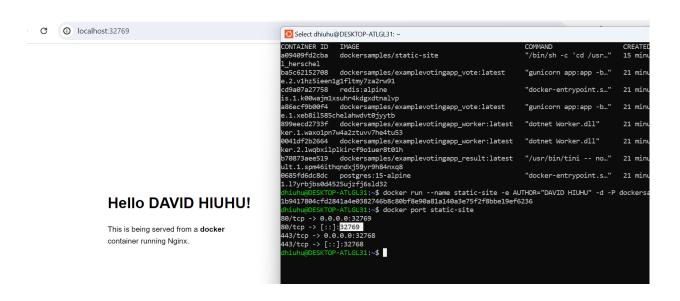
## 2.0 Webapps with Docker

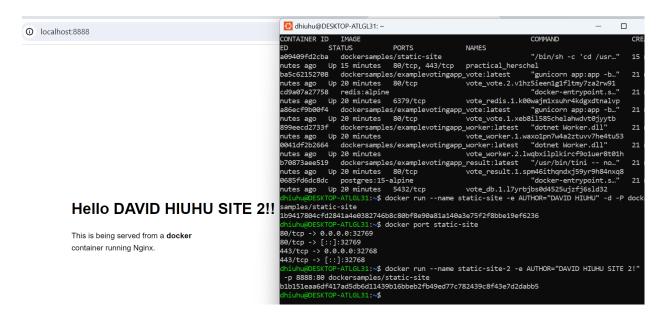
#### 2.1 Run a static website in a container











## 2.2 Docker Images

#### dhiuhu@DESKTOP-ATLGL31: ~ TOP-ATLGL31:~\$ docker images REPOSITORY TAG IMAGE ID CREATED SIZE redis <none> 20658529aaf6 5 days ago 46.1MB 3 weeks ago d492c6ccb0d1 240MB postgres <none> ubuntu latest 174c8c134b2a 4 weeks ago 77.9MB f8c20f8bbcb6 latest 5 weeks ago 7.38MB alpine 1.2GB gcr.io/k8s-minikube/kicbase v0.0.42 dbc648475405 2 months ago dockersamples/examplevotingapp\_vote a79da240427f 2 months ago 153MB <none> dockersamples/examplevotingapp\_result 79a8264f906f <none> 2 months ago 269MB dockersamples/examplevotingapp\_worker b9ae9391d5db 194MB <none> 2 months ago nello-world latest d2c94e258dcb 8 months ago 13.3kB centos latest 5d0da3dc9764 2 years ago 231MB jenkins 2.60.3 cd14cecfdb3a 5 years ago 696MB dockersamples/static-site 191MB latest f589ccde7957 7 years ago dhiuhu@DESKTOP-ATLGL31:~\$

#### dhiuhu@DESKTOP-ATLGL31: ~

```
dhiuhu@DESKTOP-ATLGL31:~$ docker images
REPOSITORY
                                        TAG
                                                  IMAGE ID
                                                                 CREATED
                                                                                 SIZE
                                                                                 46.1MB
redis
                                        <none>
                                                  20658529aaf6
                                                                 5 days ago
postgres
                                        <none>
                                                  d492c6ccb0d1
                                                                 3 weeks ago
                                                                                 240MB
                                                                 4 weeks ago
ubuntu
                                        latest
                                                  174c8c134b2a
                                                                                 77.9MB
alpine
                                                  f8c20f8bbcb6
                                                                 5 weeks ago
                                                                                 7.38MB
                                        latest
gcr.io/k8s-minikube/kicbase
                                        v0.0.42
                                                  dbc648475405
                                                                 2 months ago
                                                                                 1.2GB
dockersamples/examplevotingapp_vote
                                        <none>
                                                  a79da240427f
                                                                 2 months ago
                                                                                 153MB
dockersamples/examplevotingapp_result
                                                                 2 months ago
                                                                                 269MB
                                        <none>
                                                  79a8264f906f
dockersamples/examplevotingapp_worker
                                                                2 months ago
                                                  b9ae9391d5db
                                                                                 194MB
                                        <none>
hello-world
                                        latest
                                                  d2c94e258dcb
                                                                8 months ago
                                                                                 13.3kB
                                                  5d0da3dc9764
centos
                                        latest
                                                                 2 years ago
                                                                                 231MB
                                                  cd14cecfdb3a
                                                                                 696MB
jenkins
                                        2.60.3
                                                                 5 years ago
dockersamples/static-site
                                        latest
                                                  f589ccde7957
                                                                 7 years ago
                                                                                 191MB
dhiuhu@DESKTOP-ATLGL31:~$ docker pull ubuntu:12.04
12.04: Pulling from library/ubuntu
d8868e50ac4c: Pull complete
83251ac64627: Pull complete
589bba2f1b36: Pull complete
d62ecaceda39: Pull complete
6d93b41cfc6b: Pull complete
Digest: sha256:18305429afa14ea462f810146ba44d4363ae76e4c8dfc38288cf73aa07485005
Status: Downloaded newer image for ubuntu:12.04
docker.io/library/ubuntu:12.04
dhiuhu@DESKTOP-ATLGL31:~$ docker pull ubuntu
Using default tag: latest
latest: Pulling from library/ubuntu
Digest: sha256:6042500cf4b44023ea1894effe7890666b0c5c7871ed83a97c36c76ae560bb9b
Status: Image is up to date for ubuntu:latest
docker.io/library/ubuntu:latest
dhiuhu@DESKTOP-ATLGL31:~$
```