hduser@docker:~$ ls

Desktop Documents Downloads index.html Music Pictures Public snap Templates Videos

hduser@docker:~$ mkdir /prog1

hduser@docker:~$ sudo mkdir /prog1

hduser@docker:~$ cd /prog1/

hduser@docker:/prog1$ sudo nano script1.sh

hduser@docker:/prog1$ sudo chmod +x script1.sh

hduser@docker:/prog1$ ./script1.sh

Hello World!!

This from container!!!

hduser@docker:/prog1$ sudo nano Dockerfile

hduser@docker:/prog1$ sudo docker build -t script1:v1

Successfully built 8c6cae345b82

Successfully tagged script1:v1

hduser@docker:/prog1$ sudo docker images

REPOSITORY TAG IMAGE ID CREATED SIZE

script1 v1 8c6cae345b82 55 seconds ago 120MB

ubuntu latest 59ab366372d5 4 weeks ago 78.1MB

httpd latest 1bcf11fa154f 3 months ago 148MB

hduser@docker:/prog1$ sudo docker run --rm script1:v1

Hello World!!

This from container!!!

hduser@docker:/prog1$ sudo docker ps -a

CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS NAMES

3ba5a729466b ubuntu "/bin/bash" 39 minutes ago Exited (130) 25 minutes ago client1

2ddf177b2549 httpd "httpd-foreground" 41 minutes ago Exited (0) 24 minutes ago user-reg

0f76206bd1ac ubuntu "/bin/bash" 15 hours ago Exited (0) 15 hours ago u1

5886b3e03184 httpd "httpd-foreground" 21 hours ago Exited (255) 20 hours ago 0.0.0.0:8000->80/tcp, :::8000->80/tcp web

hduser@docker:/prog1$ sudo docker run --rm script1:v1

Hello World!!

This from container!!!

hduser@docker:/prog1$ sudo docker ps -a

CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS NAMES

3ba5a729466b ubuntu "/bin/bash" 40 minutes ago Exited (130) 26 minutes ago client1

2ddf177b2549 httpd "httpd-foreground" 42 minutes ago Exited (0) 25 minutes ago user-reg

0f76206bd1ac ubuntu "/bin/bash" 15 hours ago Exited (0) 15 hours ago u1

5886b3e03184 httpd "httpd-foreground" 21 hours ago Exited (255) 20 hours ago 0.0.0.0:8000->80/tcp, :::8000->80/tcp web

hduser@docker:/prog1$ ls

Dockerfile script1.sh

hduser@docker:/prog1$ sudo nano script1.sh

hduser@docker:/prog1$ ./script1.sh

Hello World!!

This from container!!!

this is new version of the application

hduser@docker:/prog1$ sudo docker build -t script1:v2 .

Successfully built 9683efb7b8a7

Successfully tagged script1:v2

hduser@docker:/prog1$ sudo docker run --rm script1:v2

Hello World!!

This from container!!!

this is new version of the application

hduser@docker:/prog1$ nano add.py

hduser@docker:/prog1$ sudo nano add.py

hduser@docker:/prog1$ cd /app1

hduser@docker:/prog1$ sudo mkdir /app1

hduser@docker:/prog1$ cd /app1/

hduser@docker:/app1$ cd

hduser@docker:~$ cd /prog1

hduser@docker:/prog1$ ls

add.py Dockerfile script1.sh

hduser@docker:/prog1$ sudo cp add.py /app1/

hduser@docker:/prog1$ cd /app1/

hduser@docker:/app1$ sudo nano Dockerfile

hduser@docker:/app1$ sudo docker build -t add-app:v1 .

.

Successfully tagged add-app:v1

hduser@docker:/app1$ sudo docker images

REPOSITORY TAG IMAGE ID CREATED SIZE

add-app v1 66d229ff83ee 31 seconds ago 161MB

script1 v2 9683efb7b8a7 10 minutes ago 120MB

script1 v1 8c6cae345b82 15 minutes ago 120MB

ubuntu latest 59ab366372d5 4 weeks ago 78.1MB

httpd latest 1bcf11fa154f 3 months ago 148MB

hduser@docker:/app1$ sudo docker run --rm add-app:v1

hduser@docker:/app1$ sudo docker run --rm add-app:v1

hduser@docker:/app1$ sudo nano add.py

hduser@docker:/app1$ python add.py

hduser@docker:/app1$ sudo apt install python3

hduser@docker:/app1$ python3 add.py

Thsi is Pravin Bhosale from hpcsa

The application is coming soon...

This is new version.

hduser@docker:/app1$ sudo docker build -t add-app:v2 .

Successfully built dd17601f4d34

Successfully tagged add-app:v2

hduser@docker:/app1$ sudo docker images

REPOSITORY TAG IMAGE ID CREATED SIZE

add-app v2 dd17601f4d34 35 seconds ago 161MB

add-app v1 66d229ff83ee 5 minutes ago 161MB

script1 v2 9683efb7b8a7 15 minutes ago 120MB

script1 v1 8c6cae345b82 20 minutes ago 120MB

ubuntu latest 59ab366372d5 4 weeks ago 78.1MB

httpd latest 1bcf11fa154f 3 months ago 148MB

hduser@docker:/app1$ sudo docker run --rm add-app:v2

hduser@docker:/app1$ nano Dockerfile

hduser@docker:/app1$ sudo docker run --rm -ti add-app:v2

hduser@docker:/app1$ sudo nano Dockerfile

hduser@docker:/app1$ sudo docker build -t add-app:v1 .

DEPRECATED: The legacy builder is deprecated and will be removed in a future release.

Install the buildx component to build images with BuildKit:

https://docs.docker.com/go/buildx/

Sending build context to Docker daemon 3.072kB

Step 1/6 : FROM ubuntu

---> 59ab366372d5

Step 2/6 : RUN apt update -y

---> Using cache

---> e7caa51349d9

Step 3/6 : RUN apt install python3 -y

---> Using cache

---> e659b7b4797d

Step 4/6 : RUN mkdir /prog

---> Using cache

---> 9c96197b523b

Step 5/6 : COPY add.py /prog

---> Using cache

---> a0cb0d36237f

Step 6/6 : CMD [ "python3","/prog/add.py" ]

---> Running in fb8e4a50fd36

Removing intermediate container fb8e4a50fd36

---> e78f3ed5a932

Successfully built e78f3ed5a932

Successfully tagged add-app:v1

hduser@docker:/app1$ sudo docker run --rm -ti add-app:v2

docker: Error response from daemon: failed to create task for container: failed to create shim task: OCI runtime create failed: runc create failed: unable to start container process: exec: "PYTHON3": executable file not found in $PATH: unknown.

hduser@docker:/app1$ sudo nano Dockerfile

hduser@docker:/app1$ sudo docker run --rm -ti add-app:v2

docker: Error response from daemon: failed to create task for container: failed to create shim task: OCI runtime create failed: runc create failed: unable to start container process: exec: "PYTHON3": executable file not found in $PATH: unknown.

ERRO[0001] error waiting for container:

hduser@docker:/app1$ sudo docker tag -h

Flag shorthand -h has been deprecated, please use --help

Usage: docker tag SOURCE\_IMAGE[:TAG] TARGET\_IMAGE[:TAG]

Create a tag TARGET\_IMAGE that refers to SOURCE\_IMAGE

Aliases:

docker image tag, docker tag

hduser@docker:/app1$ sudo docker add-app:v2 dhpcsa/add-app:v1

docker: 'add-app:v2' is not a docker command.

See 'docker --help'

hduser@docker:/app1$ sudo docker images

REPOSITORY TAG IMAGE ID CREATED SIZE

add-app v1 e78f3ed5a932 9 minutes ago 161MB

add-app v2 dd17601f4d34 12 minutes ago 161MB

<none> <none> 66d229ff83ee 17 minutes ago 161MB

script1 v2 9683efb7b8a7 27 minutes ago 120MB

script1 v1 8c6cae345b82 32 minutes ago 120MB

ubuntu latest 59ab366372d5 4 weeks ago 78.1MB

httpd latest 1bcf11fa154f 3 months ago 148MB

hduser@docker:/app1$ sudo docker login

Log in with your Docker ID or email address to push and pull images from Docker Hub. If you don't have a Docker ID, head over to https://hub.docker.com/ to create one.

You can log in with your password or a Personal Access Token (PAT). Using a limited-scope PAT grants better security and is required for organizations using SSO. Learn more at https://docs.docker.com/go/access-tokens/

Username: dhpcsadhpcsa@gmail.com

Password:

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

hduser@docker:/app1$ sudo docker tag add-app:v2 dhpcsa/add-app:v1

hduser@docker:/app1$ sudo docker images

REPOSITORY TAG IMAGE ID CREATED SIZE

add-app v1 e78f3ed5a932 15 minutes ago 161MB

dhpcsa/add-app v1 dd17601f4d34 18 minutes ago 161MB

add-app v2 dd17601f4d34 18 minutes ago 161MB

<none> <none> 66d229ff83ee 23 minutes ago 161MB

script1 v2 9683efb7b8a7 32 minutes ago 120MB

script1 v1 8c6cae345b82 38 minutes ago 120MB

ubuntu latest 59ab366372d5 4 weeks ago 78.1MB

httpd latest 1bcf11fa154f 3 months ago 148MB

hduser@docker:/app1$ sudo docker push dhpcsa/add-app:v1

The push refers to repository [docker.io/dhpcsa/add-app]

572caa156dfd: Pushed

21bef62c3125: Pushed

860e115377df: Pushed

4af03934386d: Pushed

a46a5fb872b5: Mounted from library/ubuntu

v1: digest: sha256:52bba8d96bf8982c5d56808c31402d040ac1a2a8e5ac3a5ef288c5a1653c0415 size: 1366

hduser@docker:/app1$

94 mkdir /prog1

95 sudo mkdir /prog1

96 ls

97 cd /prog1/

98 sudo nano script1.sh

99 sudo chmod +x script1.sh

100 ./script1.sh

101 sudo nano Dockerfile

102 sudo docker build -t script1:v1 .

103 sudo docker images

104 sudo docker run --rm script1:v1

105 sudo docker ps -a

106 sudo docker run --rm script1:v1

107 sudo docker ps -a

108 ls

109 sudo nano script1.sh

110 ./script1.sh

111 sudo docker build -t script1:v2 .

112 sudo docker run --rm script1:v2

113 nano add.py

114 sudo nano add.py

115 cd /app1

116 sudo mkdir /app1

117 cd /app1/

118 cd

119 cd /pro

120 cd /prog1

121 ls

122 sudo cp add.py /app1/

123 cd /app1/

124 sudo nano Dockerfile

125 sudo docker build -t add-app:v1 .

126 sudo docker images

127 sudo docker run --rm add-app:v1

128 sudo nano add.py

129 python add.py

130 sudo apt install python3

131 python3 add.py

132 sudo docker build -t add-app:v2 .

133 sudo docker images

134 sudo docker run --rm add-app:v2

135\*

136 sudo docker run --rm -ti add-app:v2

137 sudo nano Dockerfile

138 sudo docker build -t add-app:v1 .

139 sudo docker run --rm -ti add-app:v2

140 sudo nano Dockerfile

141 sudo docker run --rm -ti add-app:v2

142 sudo docker tag -h

143 sudo docker add-app:v2 dhpcsa/add-app:v1

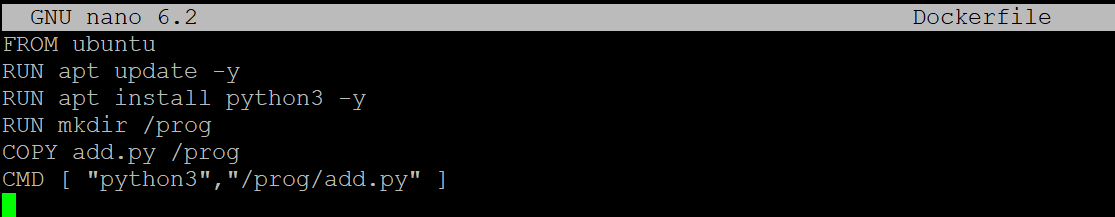
144 sudo docker images

145 sudo docker login

146 sudo docker tag add-app:v2 dhpcsa/add-app:v1

147 sudo docker images

148 sudo docker push dhpcsa/add-app:v1





download docker compose-linux

mv docker-compose-darwin docker-compose

chmod +x docker-compose

Sudo cp docker-compose /usr/bin/

Docker-compose version

Cd /prog1

Docker-compose version

Go to github awesome-compose /nginx-golang

master$ sudo mkdir /compose-demo

Cd /compose-demo

Sudo nano apps.yaml

services:

web1:

image: httpd

ports:

- "8000:80"

volumes :

-”/webdata/:user/local/

continer\_ame: web1

web2:

image: httpd

ports:

-"9000:90"

container\_name: web2

master$ sudo docker-compose up

ls

sudo mv apps.yaml docker-compose.yaml

sudo docker compose up -d

sudo docker ps

curl localhost:9000

curl localhost:8000

sudo docker-compose down

Master compose-demo$ cat /webdata

curl localhost:8000

→ curl localhost:9000

Remove all container in single command.

→ docker rm -f $(docker ps -aq)

docker run —name q2 -d -p 8500:80 -v $(pwd):/usr/local/apache2/htdocs httpd

docker exec -ti dbserver mysql -u root -p