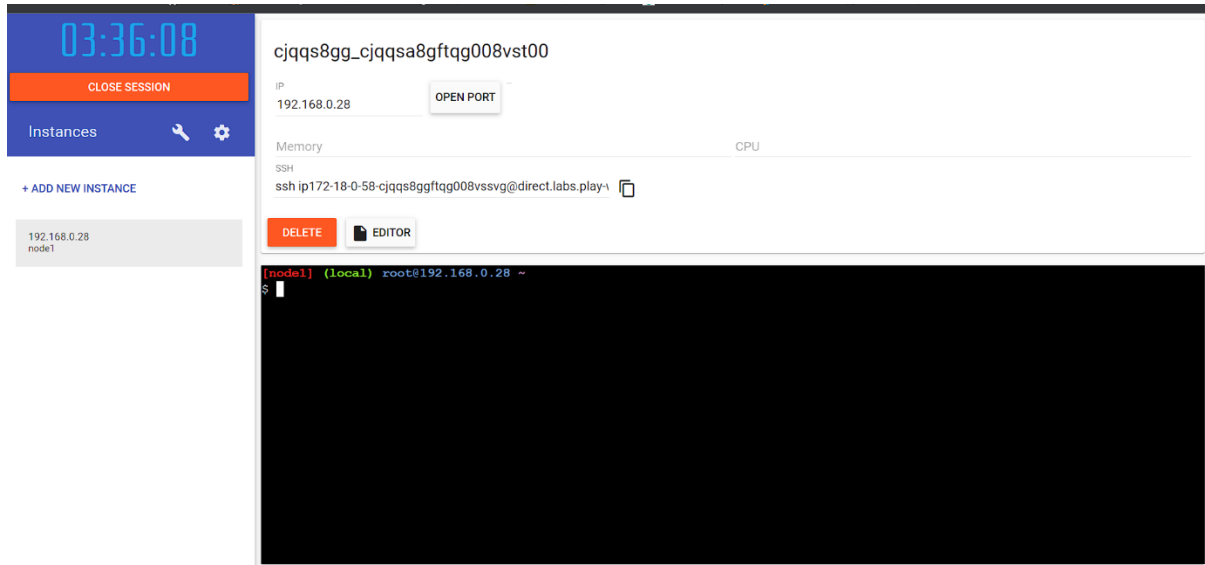# Installing Figlet Using Docker and Ubuntu

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Open dockerplayground on the private browser.

Pull the ubuntu image by using "docker pull ubuntu" command.

View the images by using "docker images" command.

Run the command "docker run -it –name myubuntu ubuntu" to create a container for the ubuntu image.

```
[node1] (local) root@192.168.0.28 ~
$ docker run -it --name myubuntu ubuntu
root@dadfbc6eeed7:/#
```

Update the packages in ubuntu by "apt-get update" command.

```
root@dadfbc6eeed7:/# ls
bin  boot  dev  etc  home  lib  lib32  lib64  libx32  media  mnt  opt  proc  root  run  sbin  srv  sys  tmp  usr  var
root@dadfbc6eeed7:/# apt-get update
Get:1 http://security.ubuntu.com/ubuntu jammy-security InRelease [110 kB]
Get:2 http://archive.ubuntu.com/ubuntu jammy InRelease [270 kB]
Get:3 http://security.ubuntu.com/ubuntu jammy-security/multiverse amd64 Packages [44.0 kB]
Get:4 http://security.ubuntu.com/ubuntu jammy-security/main amd64 Packages [915 kB]
Get:5 http://security.ubuntu.com/ubuntu jammy-security/universe amd64 Packages [990 kB]
Get:6 http://security.ubuntu.com/ubuntu jammy-security/restricted amd64 Packages [995 kB]
Get:7 http://archive.ubuntu.com/ubuntu jammy-updates InRelease [119 kB]
Get:8 http://archive.ubuntu.com/ubuntu jammy-backports InRelease [109 kB]
Get:9 http://archive.ubuntu.com/ubuntu jammy/multiverse amd64 Packages [266 kB]
Get:10 http://archive.ubuntu.com/ubuntu jammy/main amd64 Packages [1792 kB]
Get:11 http://archive.ubuntu.com/ubuntu jammy/universe amd64 Packages [17.5 MB]
Get:12 http://archive.ubuntu.com/ubuntu jammy/restricted amd64 Packages [164 kB]
Get:13 http://archive.ubuntu.com/ubuntu jammy-updates/main amd64 Packages [1185 kB]
Get:14 http://archive.ubuntu.com/ubuntu jammy-updates/restricted amd64 Packages [1015 kB]
Get:15 http://archive.ubuntu.com/ubuntu jammy-updates/universe amd64 Packages [1251 kB]
Get:16 http://archive.ubuntu.com/ubuntu jammy-updates/multiverse amd64 Packages [49.8 kB]
Get:17 http://archive.ubuntu.com/ubuntu jammy-backports/universe amd64 Packages [28.1 kB]
Get:18 http://archive.ubuntu.com/ubuntu jammy-backports/main amd64 Packages [50.3 kB]
Fetched 26.8 MB in 3s (9124 kB/s)
Reading package lists... Done
root@dadfbc6eeed7:/#
```

Install figlet by "apt-get install figlet" command.

```
root@dadfbc6eeed7:/# apt-get install figlet
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following NEW packages will be installed:
  figlet
0 upgraded, 1 newly installed, 0 to remove and 0 not upgraded.
Need to get 133 kB of archives.
After this operation, 752 kB of additional disk space will be used.
Get:1 http://archive.ubuntu.com/ubuntu jammy/universe amd64 figlet amd64 2.2.5-3 [133 kB]
Fetched 133 kB in 0s (294 kB/s)
debconf: delaying package configuration, since apt-utils is not installed
Selecting previously unselected package figlet.
(Reading database ... 4395 files and directories currently installed.)
Preparing to unpack .../figlet_2.2.5-3_amd64.deb ...
Unpacking figlet (2.2.5-3) ...
Setting up figlet (2.2.5-3) ...
update-alternatives: using /usr/bin/figlet-figlet to provide /usr/bin/figlet (figlet) in auto mode
update-alternatives: warning: skip creation of /usr/share/man/man6/figlet.6.gz because associated file /usr/share/man/man6/figlet-figlet.6.gz (of link group fi
glet) doesn't exist
root@dadfbc6eeed7:/#
```

Command to print any input by user is "figlet [input] " .

```
root@dadfbc6eeed7:/# figlet "Hello"
 _   _      _ _
| | | | ___| | | ___
| |_| |/ _ \ | |/ _ \
|  _  |  __/ | | (_) |
|_| |_|\___|_|_|\___/

root@dadfbc6eeed7:/#
```

Exit from the ubuntu and commit the container with it's ID with the
repository from the docker hub.

```
[node1] (local) root@192.168.0.13 ~
$ docker ps -a
CONTAINER ID    IMAGE    COMMAND       CREATED         STATUS                      PORTS     NAMES
5a55a0b0f141    ubuntu   "/bin/bash"   56 seconds ago  Exited (0) 3 seconds ago              myubuntu
[node1] (local) root@192.168.0.13 ~
$ docker commit 5a55a0b0f141 punith6999/main:hello
sha256:41e3c1bf7b4e94c22077039a7bd1829c7ac5b3584a9c20704a05378915d31672
[node1] (local) root@192.168.0.13 ~
```

It will create a image in the instance with the name of the repository.

```
[node1] (local) root@192.168.0.13 ~
$ docker images
REPOSITORY         TAG       IMAGE ID        CREATED              SIZE
punith6999/main    hello     41e3c1bf7b4e    About a minute ago   123MB
ubuntu             latest    c6b84b685f35    3 weeks ago          77.8MB
[node1] (local) root@192.168.0.13 ~
$
```

Login into the docker hub with username and password.


```
[node1] (local) root@192.168.0.13 ~
$ docker login
Login with your Docker ID 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.
Username: punith6999
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
[node1] (local) root@192.168.0.13 ~
```

Push the image created in the instance to the docker hub.


```
[node1] (local) root@192.168.0.13 ~
$ docker push punith6999/main:hello
The push refers to repository [docker.io/punith6999/main]
d20b8ed63a97: Pushed
dc0585a4b8b7: Mounted from library/ubuntu
hello: digest: sha256:5be68eb3fd15068f40cef5d6b78d04d28aa08c794464524f07ac4a3cd6994add size: 741
[node1] (local) root@192.168.0.13 ~
$
```

The repository has been updated.