

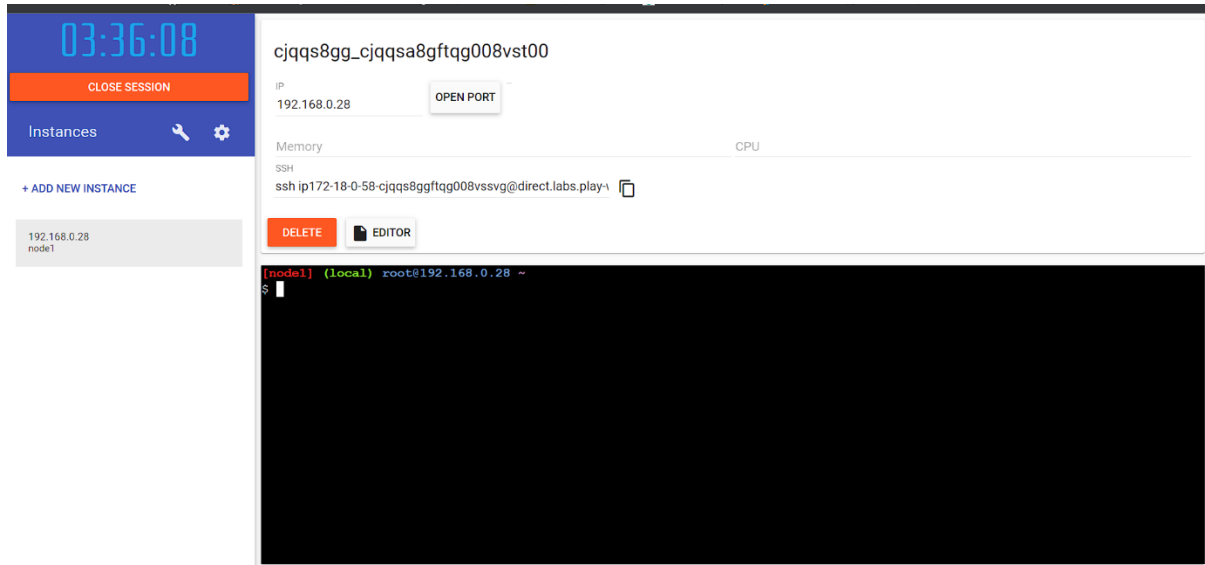
Installing Figlet Using Docker and Ubuntu

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Open dockerplayground on the private browser.



Pull the ubuntu image by using “docker pull ubuntu” command.

```
[node1] (local) root@192.168.0.28 ~
$ docker images
REPOSITORY    TAG       IMAGE ID      CREATED      SIZE
[node1] (local) root@192.168.0.28 ~
$ docker pull ubuntu
Using default tag: latest
latest: Pulling from library/ubuntu
445a6a12be2b: Pull complete
Digest: sha256:aabed3296a3d45cedelc866a24476c4d7e093aa806263c27ddaadbdc3c1054
Status: Downloaded newer image for ubuntu:latest
docker.io/library/ubuntu:latest
[node1] (local) root@192.168.0.28 ~
```

View the images by using “docker images” command.

```
[node1] (local) root@192.168.0.28 ~
$ docker images
REPOSITORY    TAG       IMAGE ID      CREATED      SIZE
ubuntu        latest    c6b84b685f35  2 weeks ago  77.8MB
[node1] (local) root@192.168.0.28 ~
```

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@dadfb6e6eed7:/#
```

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

```
root@dadfb6e6eed7:/# ls
bin boot dev etc home lib lib32 lib64 libx32 media mnt opt proc root run sbin srv sys usr var
root@dadfb6e6eed7:/# 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@dadfb6e6eed7:/#
```

Install figlet by “apt-get install figlet” command.

```
root@dadfb6e6eed7:/# 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@dadfb6e6eed7:/#
```

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

```
root@dadfb6c6eed7:/# figlet "Hello"

 _ _ _ _ _ _ _ _ _ _
|_|_|_|_|_|_|_|_|_|_|
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|_|_|_|_|_|_|_|_|_|_|
|_|_|_|_|_|_|_|_|_|_|

root@dadfb6c6eed7:/#
```

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.

The screenshot shows the Docker Hub interface for the repository `punith6999/main`. The page is divided into several sections:

- General** (selected tab):
 - Add a short description for this repository**: A light blue banner with an information icon and an **Update** button. The text states: "The short description is used to index your content on Docker Hub and in search engines. It's visible to users in search results."
 - Description**: A section titled "punith6999 / main" with a sub-header "Description". It says "This repository does not have a description" with an edit icon. Below it, it says "Last pushed: a few seconds ago".
 - Tags**: A section titled "Tags" with a sub-header "This repository contains 1 tag(s)". It contains a table with columns: Tag, OS, Type, Pulled, and Pushed. The table has one row for the tag `hello`, with OS `linux`, Type `Image`, and Pushed `a few seconds ago`. There are links for "See all" and "Go to Advanced Image Management".
 - Repository overview**: A section at the bottom with an information icon.
- Docker commands**: A section on the right with a "Public View" button. It says "To push a new tag to this repository:" and provides a command box with the text `docker push punith6999/main:tagname`.
- Automated Builds**: A section on the right with a blue "Upgrade" button. It says "Manually pushing images to Hub? Connect your account to GitHub or Bitbucket to automatically build and tag new images whenever your code is updated, so you can focus your time on creating." and "Available with Pro, Team and Business subscriptions. [Read more about automated builds](#)".

The bottom of the image shows a Windows taskbar with the date and time 06-09-2023 14:19.