

# IIEC\_Docker\_Project\_on\_Docker

Under IIEC-RISE 1.0 Campaign I learnt about Docker under the guidance of Vimal Daga Sir. This is my final project using Docker to set-up a simple HTML webpage.

## Pre-configurations needed:

I am using RedHat Enterprise Linux. Plus I have also installed Docker Software in it. You can use any OS and inside that OS you should have docker software installed. There might be a possibility that some Linux command might be different from other OS but I will explain what is the work of that command.

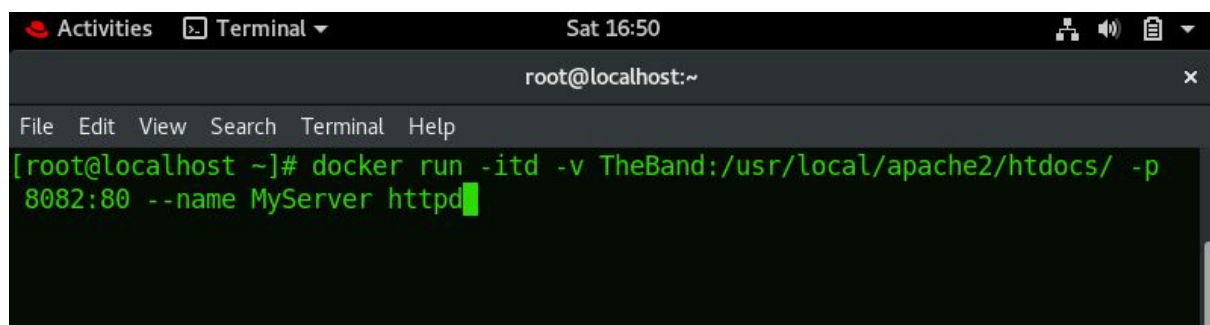
## Downloading required images:

- Use `docker pull httpd` to download the httpd Image in which http server is already preconfigured.
- To know more about httpd Image go to this page:  
[https://hub.docker.com/\\_/httpd](https://hub.docker.com/_/httpd)

## Launching the docker container:

Use command:

**`Docker run -itd -v /FolderName:/usr/local/apach2/htdocs/ -p 8082:80 --name MyServer httpd`**

A screenshot of a Linux terminal window. The title bar shows 'Activities', 'Terminal', and the time 'Sat 16:50'. The terminal prompt is 'root@localhost:~'. The command being entered is 'docker run -itd -v TheBand:/usr/local/apache2/htdocs/ -p 8082:80 --name MyServer httpd'. The command is highlighted in green text on a black background.

```
root@localhost:~  
[root@localhost ~]# docker run -itd -v TheBand:/usr/local/apache2/htdocs/ -p 8082:80 --name MyServer httpd
```

Here,

*/usr/local/apach2/htdocs/* is document root for httpd image(container),

And *TheBand* is attachable folder on the base OS.

Also,

We need to do expose the website using port address translation.

*-p 8082:80* is used to redirect the request coming on port 8082 of base OS to port 80 of Docker httpd Container

Accessing Website:

In browser type-- IP:8082 For eg.  
192.168.1.1:8082