Patting in docker using Ansible

The goal is to launch a docker container like we always do, but inside that container, we shall launch a webpage and open it on the browser using ansible.

In simple steps:

1. Launch a docker container
2. Make a file in the container
3. Write a playbook to launch the file on httpd server
4. Launch that container over browser.

Well, when we launch a container, we get an IP that is different from the IP of the OS that we r using. The point is, how shall we get the IP and what IP should be written in the inventory so that launching is successfully done?

For that, we use the **concept of patting**. During the launch of docker container, we use patting and provide a port number to the https server running on the container. Now, we don't need the IP of the container. We shall provide the Ip of the os in the inventory and while opening the file, we shall just provide the port number that we have provided.

We will land to the webpage, which is in the html folder of the container.

Let's see all the steps:

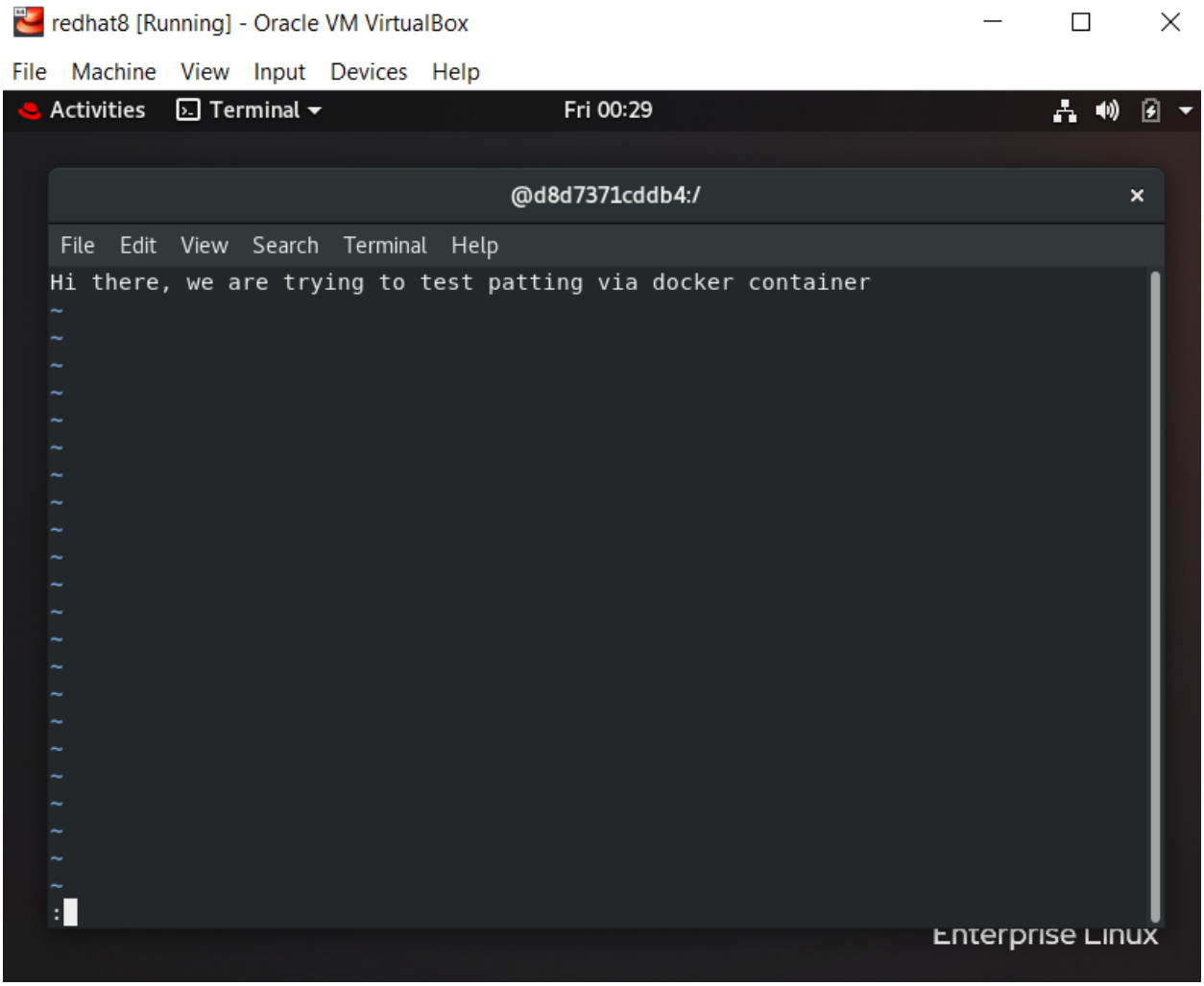
1. Check the docker images and launch one container
2. Use the following command for launching the docker:
   docker run –it --name w3 –p 2222:80 centos:latest
   It will launch a centos container named w3. Whenever we provide port number 2222 in the browser, we shall land to the port number 80 of the container.
   This concept of netting with respect to port is known as patting. -p stands for patting.

```
File  Edit  View  Search  Terminal  Help
[root@localhost ~]# docker images
REPOSITORY          TAG                 IMAGE ID            CREATED
SIZE
ubuntu              14.04               df043b4f0cf1        3 months ago
197MB
centos              7                   7e6257c9f8d8        4 months ago
203MB
centos              latest              0d120b6ccaa8        4 months ago
215MB
[root@localhost ~]# docker run -it --name w3 -p 2222:80 centos:latest
```

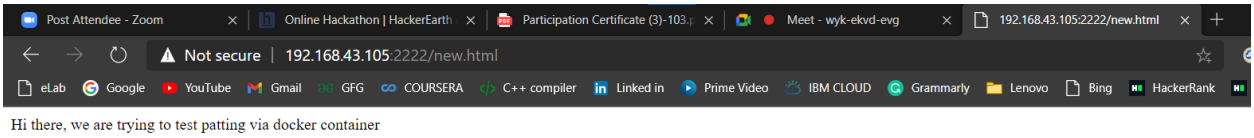
3. Go to the html directory of container and create a new file.
   I have already created a file named new.html

```
[root@d8d7371cddb4 /]# cd /var/www/html
[root@d8d7371cddb4 html]# ls
new.html
[root@d8d7371cddb4 html]#
```

4. The contents of the file are as follows:



5. Now go to the browser and type the ip of the target node, port number and the file name. We get the contents displayed as follows:



Hi there, we are trying to test patting via docker container