00 - Intro + Lab Setup

We are going to be using Burp Suite, Docker.io, and Docker Compose.

This is from our instructor:

'''

Lab setup:

`sudo apt update`

`sudo apt upgrade`

`sudo apt install docker.io`

`sudo apt install docker-compose`

RESTART YOUR VM

Copy the labs to a directory in your system, then open a terminal to that directory

`tar -xf peh-web-labs.tar.gz`

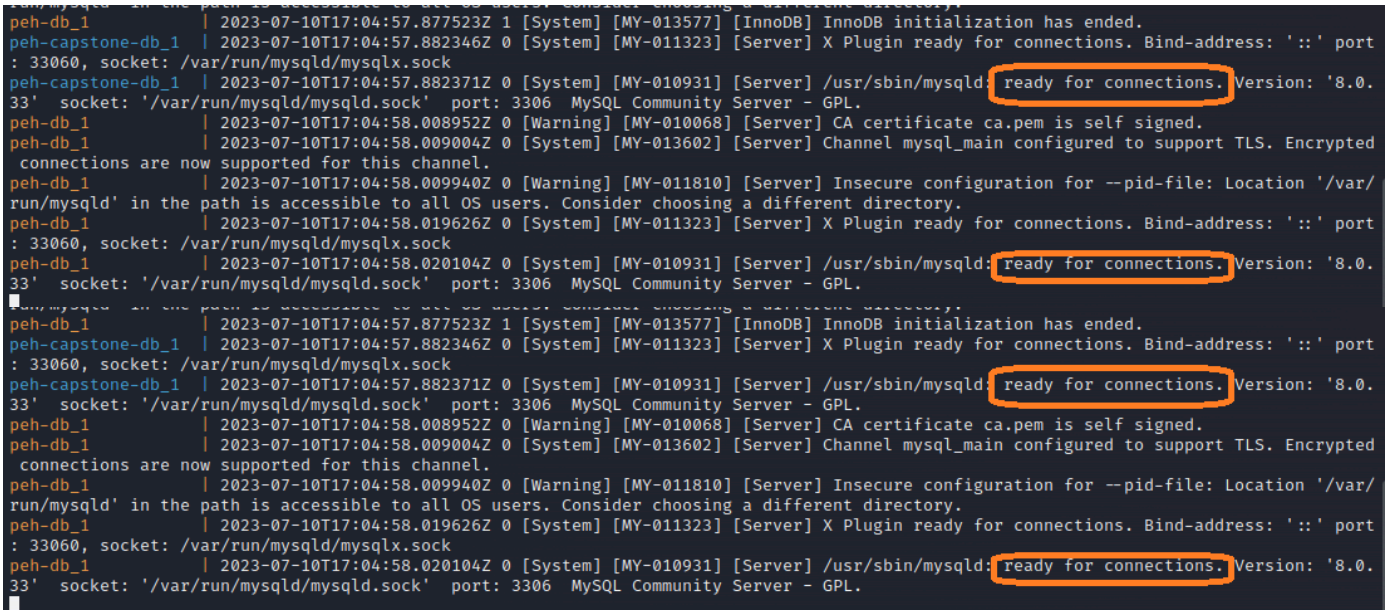
`cd labs`

`sudo docker-compose up`

(Keep reading! There is one more thing to do after the lab is built!)

The first time it runs, it will need to download some things, it may take a while depending on your connection. Next time you run it though, it will be much faster.

Once you see the databses are 'ready for connections' the containers should be ready to go.



The final step is to set some permissions for the webserver, this is needed for the file upload labs and the capstone challenge.

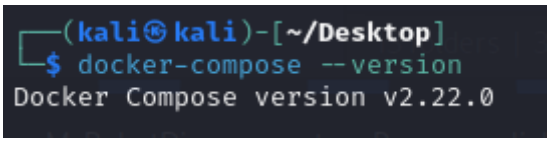
`./set-permissions.sh`

Browse to `http://localhost`

The first time you load the lab the database will need to be initialized, just follow the instructions in the red box by clicking the link, then coming back to the homepage.

Enjoy your labs!

```

These are the commands, and instructions on how to set up the lab.

"sudo apt get docker-compose" does not work. Instead we need to download it straight from the GitHub repo.

We can run:

"#sudo curl -L "https://github.com/docker/compose/releases/download/v2.22.0/docker-compose-$(uname -s)-$(uname -m)" -o /usr/local/bin/docker-compose"

This will put the file in the bin folder already.

Then, we need to make it an executable file.

"#sudo chmod +x /usr/local/bin/docker-compose"
```



Now, we need to transfer the file to the VM. I used google Drive.

To unzip the file, we can use:

To unzip a `.tar.gz` file in Linux, you can use the `tar` command with the following options:

bash Copy code

```
tar -xzvf filename.tar.gz
```

Here's what each option does:

- `-x` : Extracts the contents of the archive.
- `-z` : Specifies gzip decompression (for `.gz` files).
- `-v` : Enables verbose mode, showing the extraction progress.
- `-f` : Specifies the file name to extract.

Example

If your file is named `archive.tar.gz` , you would run:

bash Copy code

```
tar -xzvf archive.tar.gz
```

The contents will be extracted to the current directory by default.

To run the lab run:

"# sudo docker-compose up"

We can also use with the "-d" flag to run the command in the background.

To check what containers are running, we can use "-a".

"#sudo docker-compose stop" To stop all containers

To remove everything:

"#sudo docker rm $(sudo docker ps -aq)"

After the labs are up and running, we can browse to localhost and access the labs.

If we break something, we can navigate to "/init.php" directory and the website's database is going to be reset.