**Retele**

**Lab2**

ls | grep 234 – cauta toate fisierele care au in nume 234

intram in folderul docker

docker build -t 234 .

. ca sa acceseze fisierul Dockerfile

Daca eram in computer-networks apelam ./dockerdocker image ls

Docker image ls – verificam daca s-a pus 234

Docker run -ti 234 echo “salut” -> putem folosi -ti sau -it care sunt flaguri

Docker ps -> dupa ce a afisat salut, containerul s-a inchis

Docker run -ti 234 bash ->rulam un shell

* Rulam in containerul de docker in rtuser creat in Dockerfile

Docker-compose

Fisierul docker-compose.yml

Volumes -> **. : /elocal** -> in folderul . ( folderol current – computer-networks )

* + - * Face fisierul elocal

Avem 3 containere care ruleaza aceasi imagine, au acelasi volum

Dmz – reteaua

Docker-compose up -d

Ruleaza fisierul docker-compose.yml si face containerele declarate acolo

Docker-compose ps -> cele 3 servicii vreate ruleaza

Tty: true -> e pus ca sa porneasca sis a ruleze in continuare, sa nu se inchida

Docker-compose exec rt1 bash -> rulam primul container si se deschide in userul lui

In rtuser : ls /elocal -> toate fisierele din computer-networks

Exit -> iesim din container

Docker-compose down -> inchide si sterge containerele

**Lab 4**

Intram in folderul computer\_networks din github

Rulam:

docker image

Vrem sa instalam ceva pe imaginea grupei 234

Trebuie sa modificam in Dockerfile din folderul dockerfile

Stergem tot de la root useradd in jos, inclusive

Wireshark – urmareste pachetele care umbla pe retea -> are interfata

RUN apt-get update && apt-get install -y tcpdump wireshark curl

RUN mv usr/sbin/tcpdump /usr/local/bin

ENV PATH = "/usr/local/bin:${PATH}"

PATH -> lista de pathuri

Terminal:

docker build -t 234w ./docker

schimbam in docker-compose.yml la services imagea cu 234w

Terminal:

Docker-compose up -d

Docker compose exec rt1 bash

Dam in root ping rt2

Dam ping -s 2000 rt2

Iesim din ping cu ctrl + c

Cmd + shift + t -> nou terminal

Docker-compose exec rt2 bash

In root tcpdump -ntvS -> urmarim pachetele din rt2

Lab 5

Script.py

Import sys

Import logging

logging.basicConfig(format = u'[LINE:%(lineno)d]# %(levelname)-8s [%(asctime)s] %(message)s', level = logging.NOTSET)

cream scipt.py in computer-networks:

In terminal:

Python script.py cevaaaa

./docker-compose up -d

./docker-compose exec rt1 bash

/elocal/script.py saluut

Exit

----🡪 scriem in docker-compose.yml: la rt1:image ----🡪 un rand mai jos scriem: command: python /elocal/script.py bunaaaa

./docker-compose down

./docker-compose up -d

./docker-compose logs

./docker-compose ps