**Oct Docker part6 HW**

1. What is the meaning of default in IT?

By default, means if it is not set, provide something as first choice.

1. Is it possible to have more than one image with the same ID?

Yes, it is possible, we can rename my docker image but the ID will not change

1. What is the Use of prune in docker?

Prune in docker is used to remove everything that is not in use in docker such as container and image.

1. Can we remove many containers or images at the same time?

Yes, it is possible with the Prune command.

Docker system prune -a to delete containers and images at the same time.

Docker images prune -a to delete dangling and unused images.

Docker container prune

1. What is the use of bash at the end of the docker run command?

Bash at the end of docker run command means, hold me inside the container and hold the terminal for me.

1. How can we launch a container and get the release version at the same time?

I will run the command docker run -it --name papa1 httpd uname -r

1. Write a script that can automatically put the contain from question 6 in a file call release.txt.

#! /bin/bash

Touch release.txt

Echo ‘’Docker run -it - - name s5s5ludivine httpd uname -r” >> release.txt

1. Then make that script to be able to remove all image not in used that is older than 10 days.

#! /bin/bash

touch release1.txt

echo "Docker run -it - - name s5s5ludivine httpd uname -r" >> release1.txt

docker run -it --name s5s5ludivine httpd bash -c "uname -r

docker image prune - -a - -filter “until=240h”

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1. What are options -w and -e used for in the docker run command?

-w in docker means Workdir and -e Environment variable

1. Eric assignment

1-) Write a Dockerfile that has as base OS of ubuntu:18.04

2-) the dockerfile must have the following package installed

- git

- wget

- ansible

- java jre and jdk

3-) set the default home directory to s4

4-) create a directory called "VOL" locate under the default directory

5-) the first command running inside the container should be "bash"

6-) create a file locally with your name and copy it inside the container

7-) download the following into your image "https://dlcdn.apache.org/tomcat/tomcat-10/v10.0.26/bin/apache-tomcat-10.0.26.tar.gz"

8-) set the following as non alterable or non changeable data

\* company email, phone number

\* "This image is owned by EK TECH SOFTWARE SOLUTION"

9-) create the folowing environment variables

APP\_NAME = S4

CI\_JOB\_STAGE = development

TEST\_VAR = canary

TMP\_DIR = /tmp

10-) persist the volume at "/VOL"

11-) expose the following port 80 90 160 and port range from "1100 to 2200" except port 1186 and 1189

12-) the default user in the container should be called "s4student"

13-) create a file called user.sh under the default directory with contain below and run the script inside the

container

FROM ubuntu:18.04

LABEL "Email"="ludivine91@yahoo.com"

LABEL "Phone Number"="000-222-1234"

LABEL "Instructions"="this image is own by LUDI MD"

RUN apt update -y && apt install \

git wget ansible default-jre default-jdk -y

RUN mkdir /s4

WORKDIR /s4S

RUN mkdir VOL

COPY ./ludivine .

ADD <https://dlcdn.apache.org/tomcat/tomcat-10/v10.0.26/bin/apache-tomcat-10.0.26.tar.gz> .

ENV "APP\_NAME"="s4"

ENV "TEST\_VAR"="canary"

ENV "TMP\_DIR"="/tmp"

ENV ‘’CI\_JOB\_STAGE’’ = ‘’development’’

VOLUME /VOLS

EXPOSE 80 90 160 1100-1184 1185-1187 1188-1190

RUN useradd s4student-m -d /home/s4student -s /bin/bash

COPY ./user.sh user.sh

RUN chmod +x user.sh

RUN bash user.sh

CMD ["bash"]

The add command it is not working this link is maybe not longer available even when I try to download it directly with wget, it is not working.

FROM ubuntu:18.04RUN apt-get update && \ apt-get -y upgrade && \ apt install -y git wget ARG USER="s4student"RUN useradd ${USER}USER ${USER}LABEL name="s5carles","s5royce","s5aurore","chief","chancelier","ludivine" \ date="friday03.10"WORKDIR /s4 RUN mkdir VOL COPY ./chancelier.txt /s4/ADD https://myfirstawss3bucket6646.s3.amazonaws.com/html5up-ethereal.zip .LABEL company\_email="chancelier@gmail.com" \ phone\_number="414-555-0000" \ maintainer="This image is owned by EK TECH SOFTWARE SOLUTION" ENV APP\_NAME=S4ENV CI\_JOB\_STAGE=developmentENV TEST\_VAR=canaryENV TMP\_DIR=/tmpVOLUME [ "/VOL" ]ARG port1=80ARG port2=90ARG port3=160ARG port4=1100-1185 \ port5=1187-1188 \ port6=1190-2200EXPOSE $port1 \ $port2 \ $port3 \ $port4 \ $port5 \ $port6CMD ["bash"]