

# TASK

1. Set up a local DHIS2 instance using d2-docker.

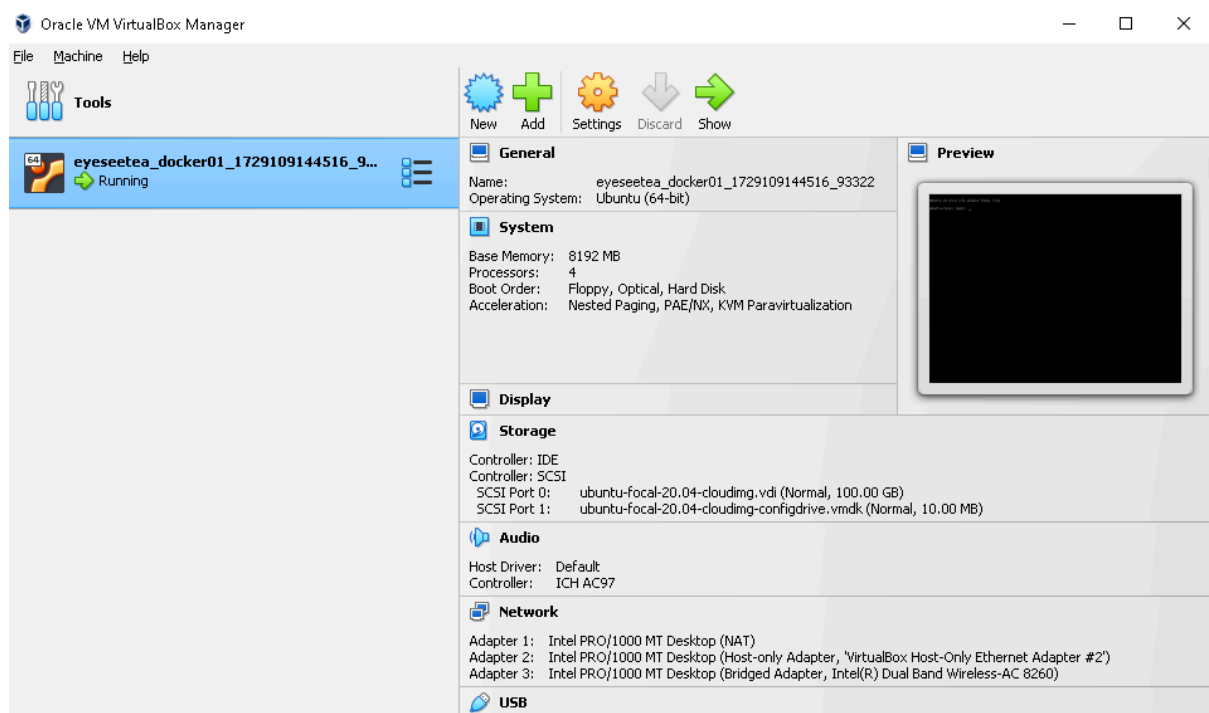
Instructions:

- A. a. Install <https://github.com/EyeSeeTea/d2-docker> (branch: development)
- B. b. Build the core and data images using a WAR (latest v40) and the Sierra Leone database dump which can be downloaded from DHIS2 Downloads.
- C. c. Start the instance and confirm that it runs successfully: <http://localhost:8080>  
user=admin, password=district

Deliverable 1a: Document the steps you followed to set up and run the DHIS2 instance. Add these notes to the Pull Request you will create in the next section.

# STEPS

## 1) create an OracleVirtualBoxVM using vagrant



Vagrantfile:

```
Vagrant.configure("2") do |config|
  config.hostmanager.enabled = true
  config.hostmanager.manage_host = true
  config.vm.box_check_update = false
  config.vm.synced_folder ".", "/vagrant", disabled: true
  config.disksize.size = '100GB'
```

```
#install vagrantPlugin: vagrant plugin install vagrant-disksize
```

```
#install vagrantplugin: vagrant plugin install vagrant-hostmanager
```

#install vagrantplugin: vagrant plugin install vagrant-vbguest

```
config.vm.define "docker01" do |docker01|
  docker01.vm.box = "ubuntu/focal64"
  docker01.vm.hostname = "docker01"
  docker01.vm.network "private_network", ip: "192.168.56.82"
  docker01.vm.network "public_network"
  docker01.vm.provider "virtualbox" do |vb|
    vb.memory = "8192"
    vb.cpus = 4
  end
end
config.vm.provision "shell", inline: <<-SHELL
#!/bin/bash
sudo apt-get update
  SHELL
end
end
```

## **2) login to docker vm**

Vagrant ssh

## **3) Switch to root user**

Sudo -i

## **4) Install packages**

sudo apt-get install -y netcat git docker.io docker-compose python3 python3-pip

## **5) Create app/ dir, clone git repo and cd to app/d2-docker/**

mkdir ~/app

cd ~/app

sudo git clone -b development https://github.com/EyeSeeTea/d2-docker.git

cd d2-docker/

## **6) Download artifact and database schema**

wget <https://releases.dhis2.org/40/dhis2-stable-40.0.0.war>

wget <https://databases.dhis2.org/sierra-leone/2.40.0/dhis2-db-sierra-leone.sql.gz>

## **7) Install dependencies**

sudo apt install python3-setuptools containerd -y

pip3 install ~/app/d2-docker

sudo python3 setup.py install || sudo -E python3 setup.py install

## **8) Build containers**

d2-docker create core docker.eyesetea.com/eyesetea/dhis2-core:2.40.0 --version=2.40.0

d2-docker create data docker.eyesetea.com/eyesetea/dhis2-data:2.40.0-sierra

--sql=dhis2-db-sierra-leone.sql.gz

## **9) Start containers**

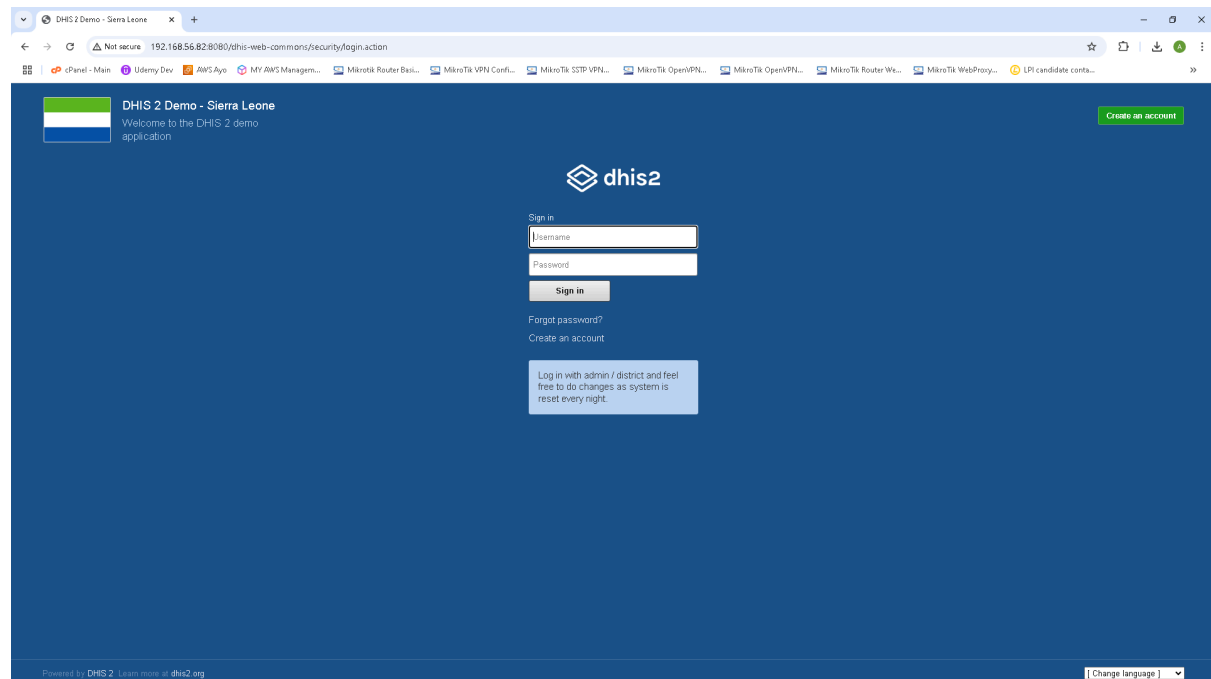
d2-docker start docker.eyeseetea.com/eyeseetea/dhis2-data:2.40.0-sierra -d

## TEST/LOGIN ON BROWSER

<http://192.168.56.82:8080>

```
root@docker01:~/app/d2-docker# docker images
REPOSITORY                                TAG                                IMAGE ID            CREATED             SIZE
docker.eyeseetea.com/eyeseetea/dhis2-data 2.40.0-sierra                    0b8a3aa5fa64       11 minutes ago     93.1MB
docker.eyeseetea.com/eyeseetea/dhis2-core 2.40.0                           c939edd58345       12 minutes ago     586MB
jwilder/nginx-proxy                       alpine                           fef91e61bb66       10 hours ago       68.2MB
alpine                                     latest                           91ef0af61f39       5 weeks ago        7.8MB
postgis/postgis                           14-3.2-alpine                   8e858c825b8f       2 years ago        395MB
tomcat                                     9.0.64-jre11-openjdk-slim-bullseye a3c9ab20745a       2 years ago        248MB

root@docker01:~/app/d2-docker# ip addr
1: lo: <LOOPBACK,UP,LOWER_UP> mtu 65536 qdisc noqueue state UNKNOWN group default qlen 1000
    link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00:00
    inet 127.0.0.1/8 scope host lo
        valid_lft forever preferred_lft forever
    inet6 ::1/128 scope host
        valid_lft forever preferred_lft forever
2: enp0s3: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc fq_codel state UP group default qlen 1000
    link/ether 02:1c:97:45:10:0d brd ff:ff:ff:ff:ff:ff
    inet 10.0.2.15/24 brd 10.0.2.255 scope global dynamic enp0s3
        valid_lft 81783sec preferred_lft 81783sec
    inet6 fe80::1c:97ff:fe45:100d/64 scope link
        valid_lft forever preferred_lft forever
3: enp0s8: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc fq_codel state UP group default qlen 1000
    link/ether 08:00:27:f7:73:fe brd ff:ff:ff:ff:ff:ff
    inet 192.168.56.82/24 brd 192.168.56.255 scope global enp0s8
        valid_lft forever preferred_lft forever
    inet6 fe80::a00:27ff:fe7:73fe/64 scope link
        valid_lft forever preferred_lft forever
4: enp0s9: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc fq_codel state UP group default qlen 1000
    link/ether 08:00:27:5a:77:9e brd ff:ff:ff:ff:ff:ff
    inet 192.168.1.13/24 brd 192.168.1.255 scope global dynamic enp0s9
        valid_lft 81784sec preferred_lft 81784sec
    inet6 fe80::a00:27ff:fe5a:779e/64 scope link
        valid_lft forever preferred_lft forever
5: docker0: <NO-CARRIER,BROADCAST,MULTICAST,UP> mtu 1500 qdisc noqueue state DOWN group default
    link/ether 02:42:ed:15:96:0e brd ff:ff:ff:ff:ff:ff
    inet 172.17.0.1/16 brd 172.17.255.255 scope global docker0
        valid_lft forever preferred_lft forever
    inet6 fe80::d2:edff:fe15:960e/64 scope link
```




ISSUES:  
FAILED LOGIN

DHIS 2 Demo - Sena Leone

192.168.56.82:8080/dhis-web-commons/security/accountAction

ipPanel - MainUdemy DevAWS AyoMY AWS Managem...Mikrotik Router Bas...MikroTik VPN Conf...MikroTik SSTP VPN...MikroTik OpenVPN...MikroTik OpenVPN...MikroTik Router We...MikroTik WebProxy...LPI candidate conta...



Create a new account

Name

ayobamiagbe-davies

Username

ayobamintl

Password

\*\*\*\*\*

Confirm password

\*\*\*\*\*


E-mail

agbedaviesayobam@yahoo.com

Mobile phone

+46766515240

ERROR for site owner:  
Invalid domain for site key



Recaptcha validation failed: [invalid-input-response]

Create