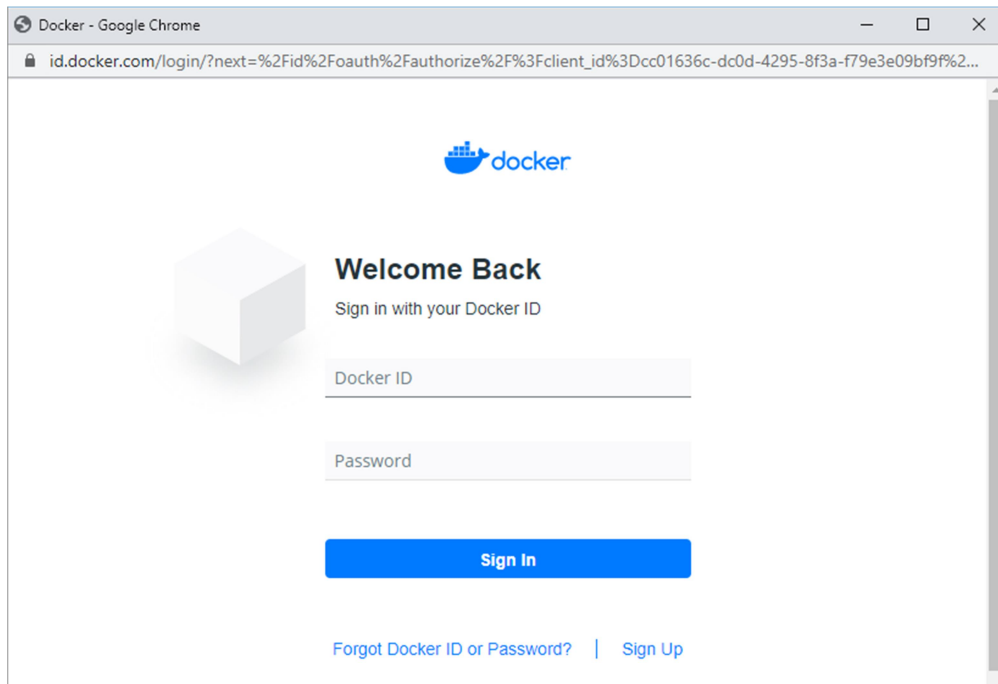


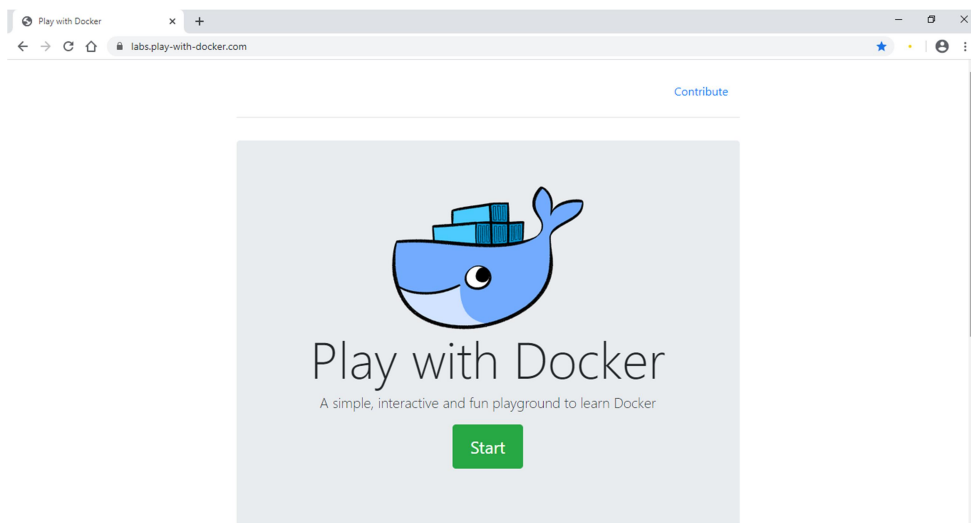
Running Location Service in Docker

(create docker hub login first to use it in play with docker)

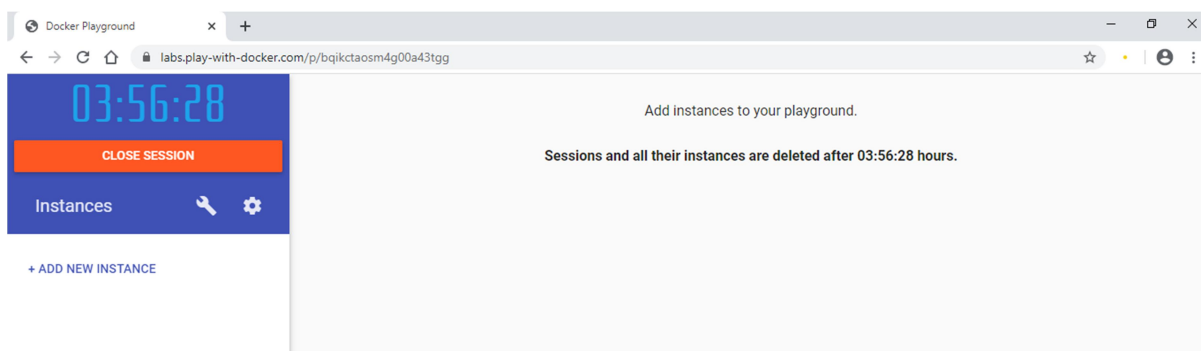
Now login in to Play-With-Docker



Click on Start



Click on Add New Instance



03:52:45

CLOSE SESSION

Instances

+ ADD NEW INSTANCE

192.168.0.13
node1

bqikctao_bqikeltim9m000ftcfug

IP: 192.168.0.13

Memory: 0.95% (37.85MiB / 3.906GiB) CPU: 1.31%

SSH: ssh ip172-18-0-53-bqikctaasm4g00a43tgg@direct.labs.play

```
#####
# WARNING!!!!
# This is a sandbox environment. Using personal credentials
# is HIGHLY discouraged. Any consequences of doing so are
# completely the user's responsibilities.
#
# The FWD team.
#####
[node1] (local) root@192.168.0.13 ~
```

Start typing following commands

Command : To run teamservice

`docker run -d -p 5000:5000 -e PORT=5000 \`

`-e LOCATION__URL=http://localhost:5001 \`

`dotnetcoreservices/teamservice:location`

output: (you can observe that it has started port 5000 on top)

bqikctao_bqiki45im9m000ftcgl0

IP: 192.168.0.11

Memory: 19.63% (785.4MiB / 3.906GiB) CPU: 42.21%

SSH: ssh ip172-18-0-21-bqikctaasm4g00a43tgg@direct.labs.play

```
[node3] (local) root@192.168.0.11 ~
$ docker run -d -p 5000:5000 -e PORT=5000 \
> -e LOCATION__URL=http://localhost:5001 \
> dotnetcoreservices/teamservice:location
Unable to find image 'dotnetcoreservices/teamservice:location' locally
location: Pulling from dotnetcoreservices/teamservice
693502eb7dfb: Pull complete
081cd4bfd521: Pull complete
5d2dc01312f3: Pull complete
585880aea240: Pull complete
3905d0c644ea: Pull complete
c59037c90022: Pull complete
5a7d450223d5: Pull complete
Digest: sha256:3e9355b72f0ba151d17a2dc9844331a5f590e3afa685d66789458525210346e1
Status: Downloaded newer image for dotnetcoreservices/teamservice:location
e504fd107462017544e76b1a17b5da0e30c0955560f79e670f478902524b380c
[node3] (local) root@192.168.0.11 ~
$
```

Command: to run location service

`docker run -d -p 5001:5001 -e PORT=5001 \`

`dotnetcoreservices/locationservice:nodb`

output: (now it has started one more port that is 5001 for location service)

IP
192.168.0.11

OPEN PORT
5001 5000

Memory
7.09% (283.6MiB / 3.906GiB)

CPU
1.19%

SSH
ssh ip172-18-0-21-bqikctaosm4g00a43tgg@direct.labs.play

DELETE EDITOR

Command : to check running images in docker

docker images

output:

```
[node3] (local) root@192.168.0.11 ~
$ docker images
REPOSITORY          TAG          IMAGE ID          CREATED          SIZE
dotnetcoreservices/teamservice    location    b27d0de8f2de     3 years ago     886MB
dotnetcoreservices/locationservice  nodb       03339f0ea9dd     3 years ago     883MB
[node3] (local) root@192.168.0.11 ~
$
```

Command: to create new team

curl -H "Content-Type:application/json" -X POST -d \

'{"id":"e52baa63-d511-417e-9e54-7aab04286281","name":"KC"}' <http://localhost:5000/teams>

Output:

```
[node3] (local) root@192.168.0.11 ~
$ curl -H "Content-Type:application/json" -X POST -d \
> '{"id":"e52baa63-d511-417e-9e54-7aab04286281","name":"KC"}' http://localhost:5000/teams
{"name":"KC","id":"e52baa63-d511-417e-9e54-7aab04286281","members":[]} [node3] (local) root@192.168.0.11 ~
$
```

Command :To confirm that team is added

curl http://localhost:5000/teams/e52baa63-d511-417e-9e54-7aab04286281

Output

```
[node3] (local) root@192.168.0.11 ~
$ curl -H "Content-Type:application/json" -X POST -d \
> '{"id":"e52baa63-d511-417e-9e54-7aab04286281", "name":"KC"}' http://localhost:5000/teams
{"name":"KC","id":"e52baa63-d511-417e-9e54-7aab04286281","members":[]} [node3] (local) root@192.168.0.11 ~
$ curl http://localhost:5000/teams/e52baa63-d511-417e-9e54-7aab04286281
{"name":"KC","id":"e52baa63-d511-417e-9e54-7aab04286281","members":[]} [node3] (local) root@192.168.0.11 ~
$
```

Command : to add new member to team

curl -H "Content-Type:application/json" -X POST -d \

'{"id":"63e7acf8-8fae-42ce-9349-3c8593ac8292", "firstName":"Kirti", "lastName":"Bhatt"}'
http://localhost:5000/teams/e52baa63-d511-417e-9e54-7aab04286281/members

Output:

```
[node1] (local) root@192.168.0.23 ~
$ curl -H "Content-Type:application/json" -X POST -d \
> '{"id":"63e7acf8-8fae-42ce-9349-3c8593ac8292", "firstName":"Kirti", "lastName":"Bhatt"}' http://localhost:5000/
teams/e52baa63-d511-417e-9e54-7aab04286281/members
{"teamID":"e52baa63-d511-417e-9e54-7aab04286281","memberID":"63e7acf8-8fae-42ce-9349-3c8593ac8292"} [node1] (local
) root@192.168.0.23 ~
$
```

Command :To confirm member added

curl <http://localhost:5000/teams/e52baa63-d511-417e-9e54-7aab04286281>

output:

```
[node1] (local) root@192.168.0.23 ~
$ curl http://localhost:5000/teams/e52baa63-d511-417e-9e54-7aab04286281
{"name":"KC","id":"e52baa63-d511-417e-9e54-7aab04286281","members":[null,{"id":"63e7acf8-8fae-42ce-9349-3c8593ac8
292","firstName":"Kirti","lastName":"Bhatt"}]} [node1] (local) root@192.168.0.23 ~
$
```

Command : To add location for member

curl -H "Content-Type:application/json" -X POST -d \

'{"id":"64c3e69f-1580-4b2f-a9ff-2c5f3b8f0e1f", "latitude":12.0,"longitude":12.0,"altitude":10.0,
"timestamp":0,"memberId":"63e7acf8-8fae-42ce-9349-3c8593ac8292"}' <http://localhost:5001/locations/63e7acf8-8fae-42ce-9349-3c8593ac8292>

Output:

```
[node1] (local) root@192.168.0.23 ~
$ curl -H "Content-Type:application/json" -X POST -d \
> '{"id":"64c3e69f-1580-4b2f-a9ff-2c5f3b8f0e1f", "latitude":12.0,"longitude":12.0,"altitude":10.0, "timestamp":0,
"memberId":"63e7acf8-8fae-42ce-9349-3c8593ac8292"}' http://localhost:5001/locations/63e7acf8-8fae-42ce-9349-3c859
3ac8292
{"id":"64c3e69f-1580-4b2f-a9ff-2c5f3b8f0e1f","latitude":12.0,"longitude":12.0,"altitude":10.0,"timestamp":0,"memb
erID":"63e7acf8-8fae-42ce-9349-3c8593ac8292"} [node1] (local) root@192.168.0.23 ~
$
```

Command : To confirm location is added in member

curl <http://localhost:5001/locations/63e7acf8-8fae-42ce-9349-3c8593ac8292>

output:

```
[node1] (local) root@192.168.0.23 ~
$ curl http://localhost:5001/locations/63e7acf8-8fae-42ce-9349-3c8593ac8292
[{"id":"64c3e69f-1580-4b2f-a9ff-2c5f3b8f0e1f","latitude":12.0,"longitude":12.0,"altitude":10.0,"timestamp":0,"mem
berID":"63e7acf8-8fae-42ce-9349-3c8593ac8292"}] [node1] (local) root@192.168.0.23 ~
$
```