FR. CONCEICAO RODRIGUES COLLEGE OF ENGINEERING

Department of Computer Engineering

Course, Subject & Experiment Details

Practical No:	
Title:	To study and Implement Containerization using Docker
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Roll No:	8940
Date of Performance:	11/04/2022
Date of Submission:	11/04/2022

Evaluation:

Sr. No.	Rubric	Grade
1	On time submission/completion (2)	
2	Preparedness (2)	
3	Skill (4)	
4	Output (2)	

Signature of the Teacher

DOCKER

Experiment 3: Docker Post Lab Questions

A. Difference between following

1. docker containerization and Virtualization?

VirtualBox/Virtualization is software that creates a virtualized piece of hardware. Normally, an operating system runs on hardware, where communication between the hardware and operating system is done by moving data to addresses in memory and then issuing instructions that inform the hardware the data can be used (or that it needs to be read). VirtualBox (and other virtual machines) set up an environment where those memory locations are actually just regions of memory in the software, and the instructions are interpreted by the software instead of going directly to the underlying CPU. The practical upshot being that you run an operating system in VirtualBox, and, to the operating system, the VirtualBox application looks like a computer, hardware and all. It doesn't know it's actually running within another program.

Docker, on the other hand, doesn't virtualize the hardware at all. Instead, what it does is creates a filesystem that looks like a regular Linux filesystem, and runs applications in a locked down environment where all the files and resources are inside that filesystem. Effectively, the application container doesn't emulate any hardware, the app still runs on the hardware, it just isolates the running app and allows you to run applications with software and libraries that might be specific to that application and not the host operating system at all. This means that there's almost no overhead in starting or stopping a docker application, they don't require pre-allocations of memory and disk space, etc. So they are very easy to set up and take down. Further, Docker containers don't waste any overhead in running software that pretends to be various hardware components in the system - it uses the hardware directly.

2. Image vs container.

S.NO	Docker Image	Docker Container
1	It is Blueprint of the Container.	It is instance of the Image.
2	Image is a logical entity.	Container is a real world entity.
3	Image is created only once.	Containers are created any number of times using image.
4	Images are immutable.	Containers changes only if old image is deleted and new is used to build the container.
5	Images does not require computing resource to work.	Containers requires computing resources to run as they run as Docker Virtual Machine.
6	To make a docker image, you have to write script in Dockerfile.	To make container from image, you have to run “docker build .” command
7	Docker Images are used to package up applications and pre-configured server environments.	Containers use server information and file system provided by image in order to operate.
8	Images can be shared on Docker Hub.	It makes no sense in sharing a running entity, always docker images are shared.
9	There is no such running state of Docker Image.	Containers uses RAM when created and in running state.

3. What is Dev server, Test Server and Production Server?

Development server

When work starts, most developers and programmers will have development environments set up for the work. This is where they can build and verify the work they are doing. Developers and programmers use the development server to test code directly. This server is usually set up with the needed hardware, software and other necessary parts for debugging and deploying.

Test Server

Once the developers or programmers complete the work they will deploy that finished work to a test server. A test server's set up and configurations will be for internal use by the team with necessary configurations. This allows the team to access the work for verification. The internal team completes the testing phase, usually with the use of a QA Tester. The tester will run various use cases to ensure that the product is functioning as it should. If the tester discovers bugs or other issues, they will create tasks for the developers or programmers to fix.

Production Server

Production servers are the final location for all finished and approved work. When you deploy code to a production server, this means everyone has approved it to go live. At this stage, the work is considered complete and approved for widespread use. Working code should only be deployed to a production server after it has been tested and approved for going live. Work should never be done on a production server without the use of some type of version control as this will be a high risk for things breaking while the product is in use. In certain situations, when a product goes offline or a production server goes down, it can cost a company a lot of money and this is definitely not something anyone wants to occur.

4. docker hub vs docker compose vs dockerfile

Dockerfile: Used to create Docker images. If you wish to create a custom docker image, you can write all the details about it in the dockerfile.

Docker-compose.yml: Used to launch multiple container at the same time. You do so by writing the configurations for each container in the docker-compose.yml file.

Docker Hub is a Docker Registry, a cloud-hosted version, open-source, scalable server-side application, and stateless. It can manage the sharing and storage of Docker images. Using Docker, developers can access it as public and create their own private repositories space and automate application build custom functions, work-groups, and webhooks.

5. Container port vs host port?

ContainerPort is the port in the container, one which your containerized app should listen on.
HostPort is the port which will be visible on the Mesos Agent where container is running,

A. Illustrate Docker advantages, disadvantages and applications?

Advantages of Docker

- Docker produces an API for container management – Docker produces an API for container management in an image format and a chance to use a remote registry for sharing containers. This scheme serves both developers and system administrators with advantages for instance.
- Fast application deployment – containers carry the minimal runtime requirements of the application, decreasing their size and enabling them to be deployed instantly.
- Transferable across machines – an application and all its dependencies can be grouped into a separate container that is autonomous from the host version of Linux kernel,

platform configuration, or deployment type. This container can be assigned to another machine that runs Docker and performed there without adaptability issues.

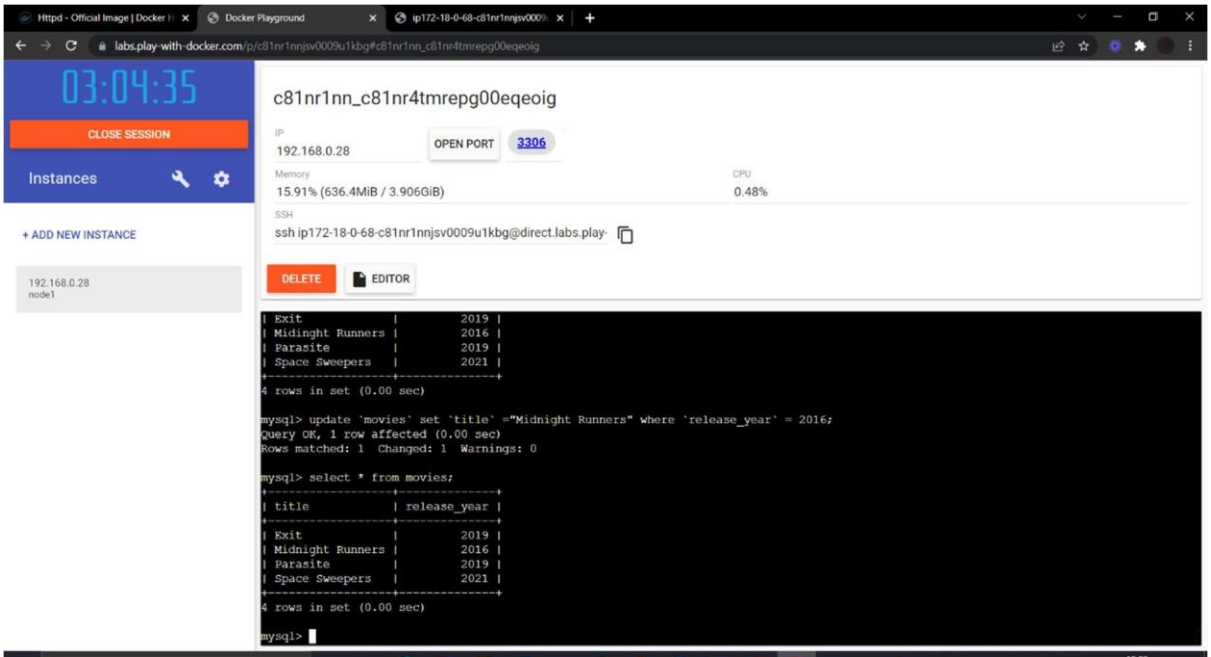
- Version control and component retain – you can pursue succeeding versions of a container, inspect irregularities or go back to previous versions. Containers reuse segments from the preceding layers, which makes them remarkably light.
- Sharing – you can use a distant repository to share your container with others. Red Hat provides a registry for this purpose, and it is also desirable to configure your own individual repository.
- Light and minimal overhead – Docker images are typically very small, which promotes rapid delivery and reduces the time to deploy new application containers.

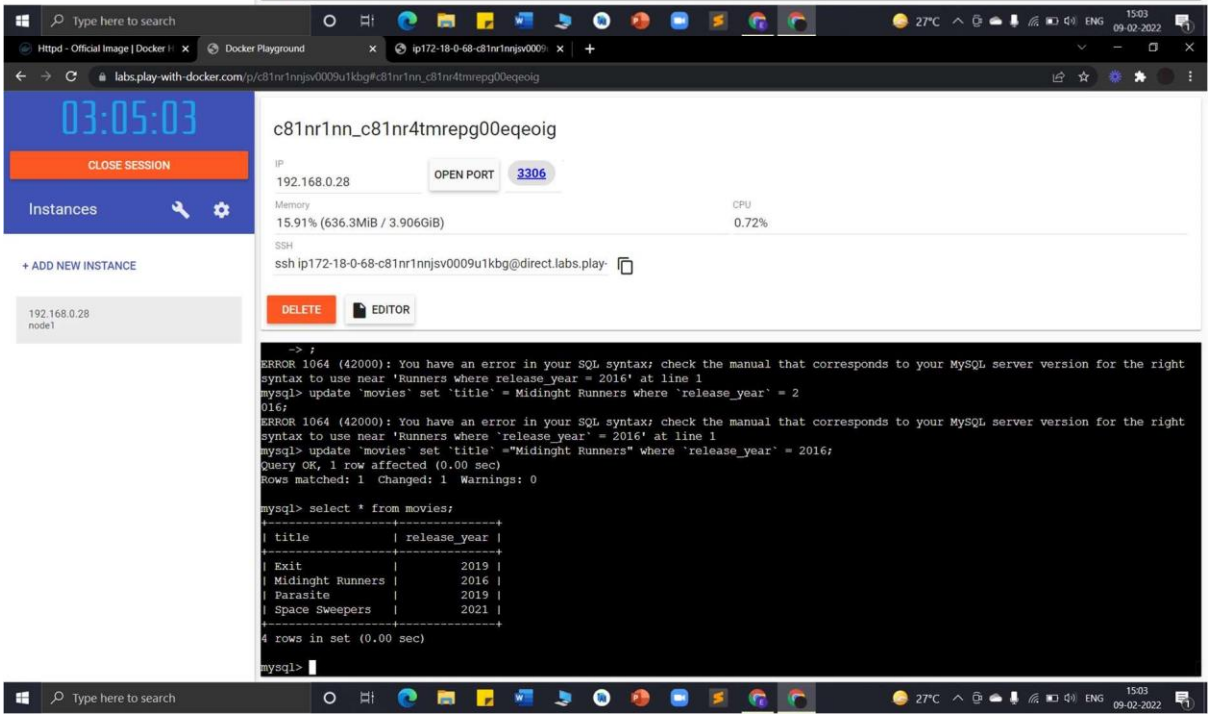
Disadvantages of Docker

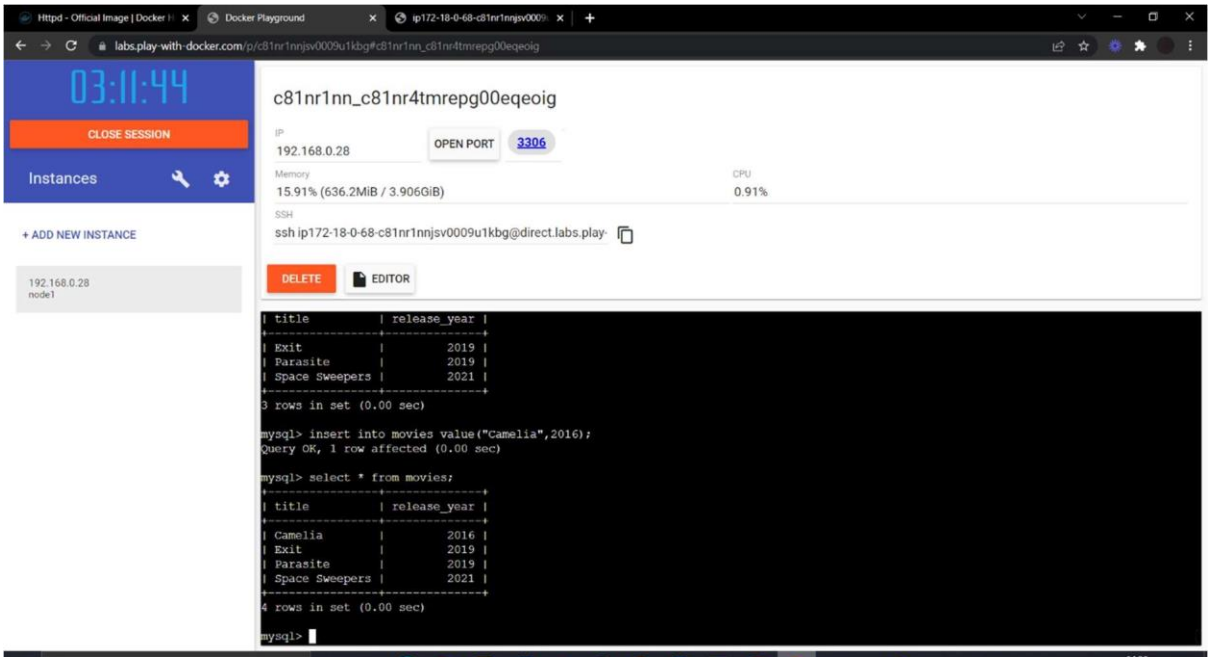
- Containers don't work at bare-metal rates – Containers utilise resources more efficiently than virtual machines. But containers are however directed to performance overhead due to overlay networking, interfacing within containers and the host system and so on. If you want 100% bare-metal performance, you want to apply bare metal, not containers.
- The container ecosystem is split – But the core Docker platform is open source, some container products don't work with other ones.
- Data storage is intricate – By design, all of the data inside a container leaves forever when it closes down except you save it somewhere else first. There are ways to store data tenaciously in Docker, such as Docker Data Capacities, but this is arguably a test that still has yet to be approached in a seamless manner.
- Graphical applications do not operate well – Docker was created as a solution for deploying server applications that don't need a graphical interface. While there are some creative approaches that one can practice to run a GUI app inside a container, these solutions are solid at best.
- Few applications do not benefit from Docker Containers – In common, the applications that are intended to work as a collection of thoughtful microservices attain to get the most from containers. Contrarily, Docker's one real benefit is that it can interpret application delivery by giving an easy packaging mechanism.

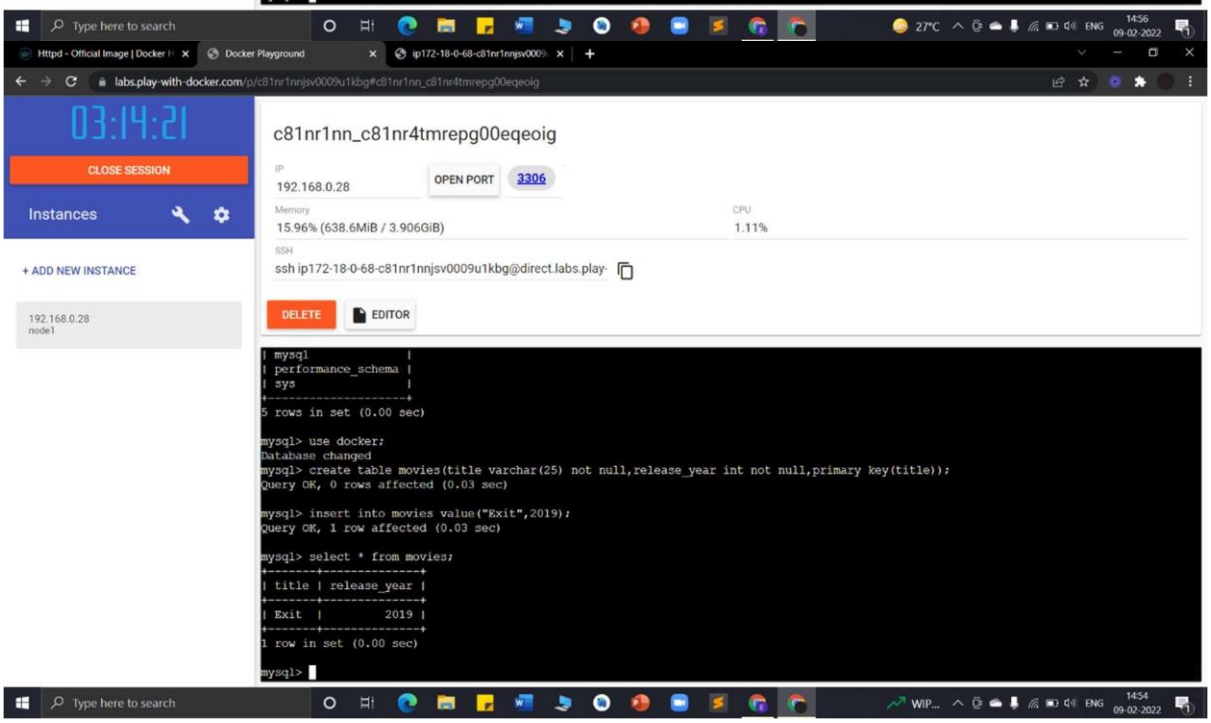
Applications of Docker

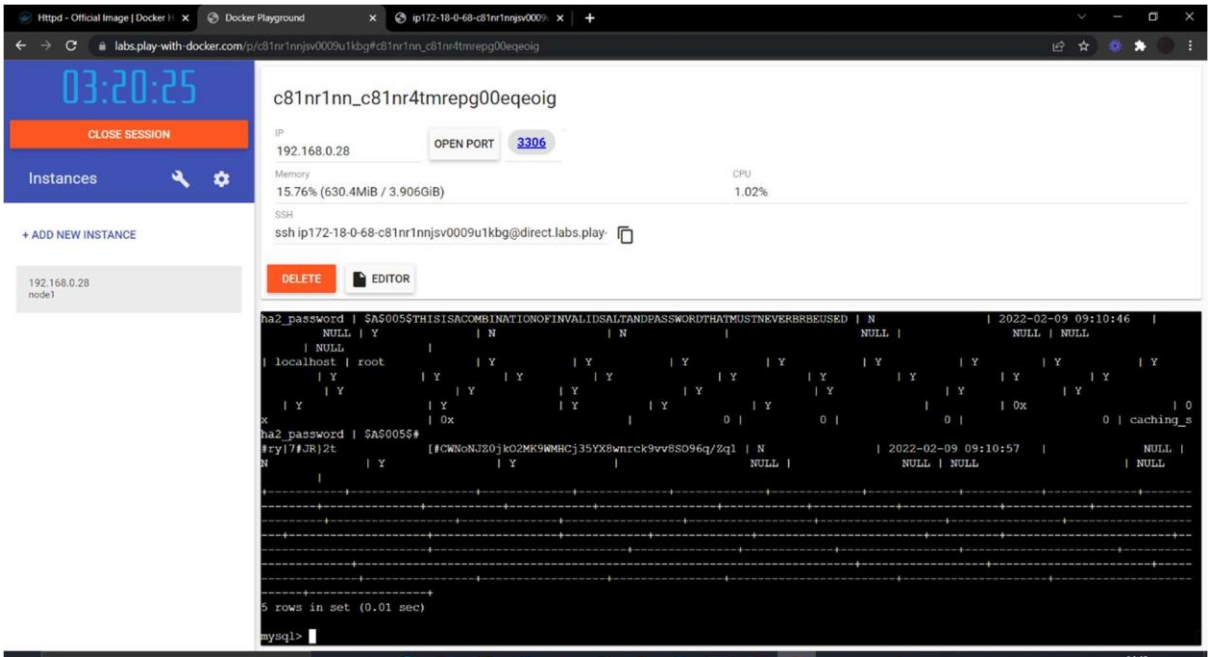
- Portable deployment of applications as a single object versus process sandboxing;
- Application-centric versus machine/server-centric;
- Supports for automatic container builds;
- Built-in version tracking;
- Reusable components;
- Public registry for sharing containers; and
- A growing tools ecosystem from the published API.

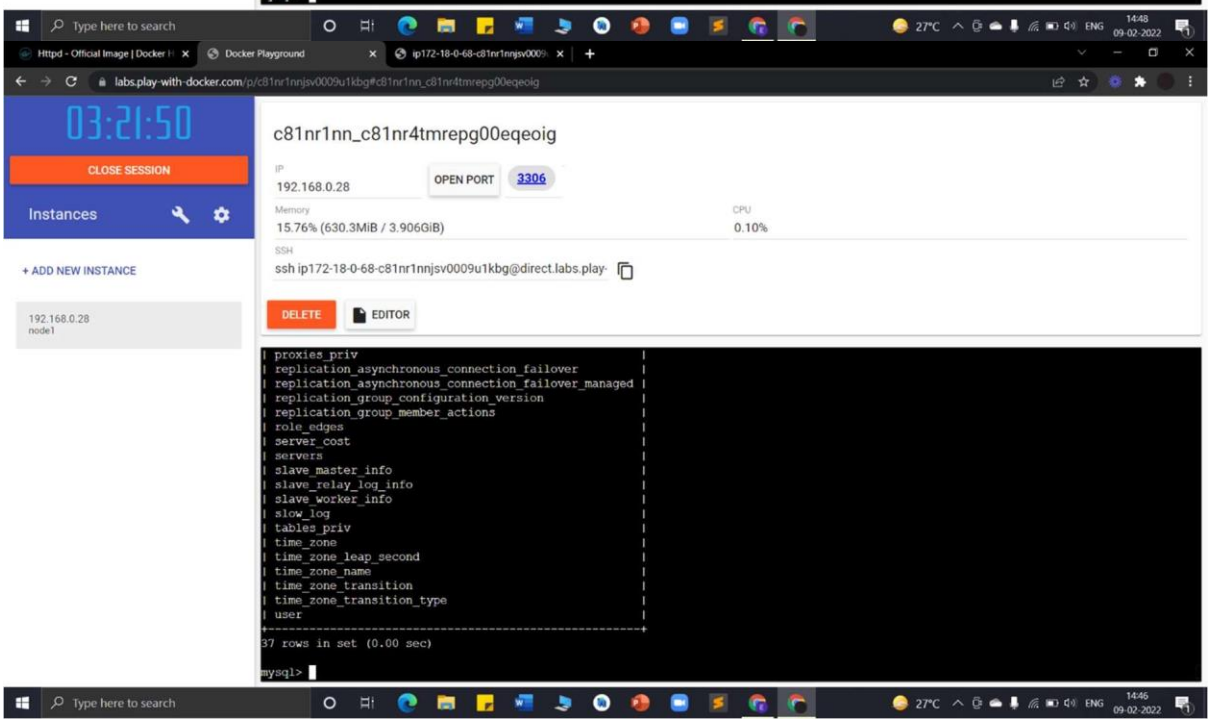

Httpd - Official Image | Docker H
Docker Playground
labs.play-with-docker.com/p/c81nr1nnjsv0009u1kbg#c81nr1nn_c81nr4tmrepg00eqeoig
03:04:35
CLOSE SESSION
Instances
+ ADD NEW INSTANCE
192.168.0.28
node1
c81nr1nn_c81nr4tmrepg00eqeoig
IP
192.168.0.28
OPEN PORT
3306
Memory
15.91% (636.4MiB / 3.906GiB)
CPU
0.48%
SSH
ssh ip172-18-0-68-c81nr1nnjsv0009u1kbg@direct.labs.play-
DELETE
EDITOR
Exit	2019
Midinght Runners	2016
Parasite	2019
Space Sweepers	2021
4 rows in set (0.00 sec)
mysql> update `movies` set `title` ="Midnight Runners" where `release_year` = 2016;
Query OK, 1 row affected (0.00 sec)
Rows matched: 1 Changed: 1 Warnings: 0
mysql> select * from movies;
title	release_year
Exit	2019
Midnight Runners	2016
Parasite	2019
Space Sweepers	2021
4 rows in set (0.00 sec)
mysql>
Type here to search
27°C
ENG
15:03
09-02-2022

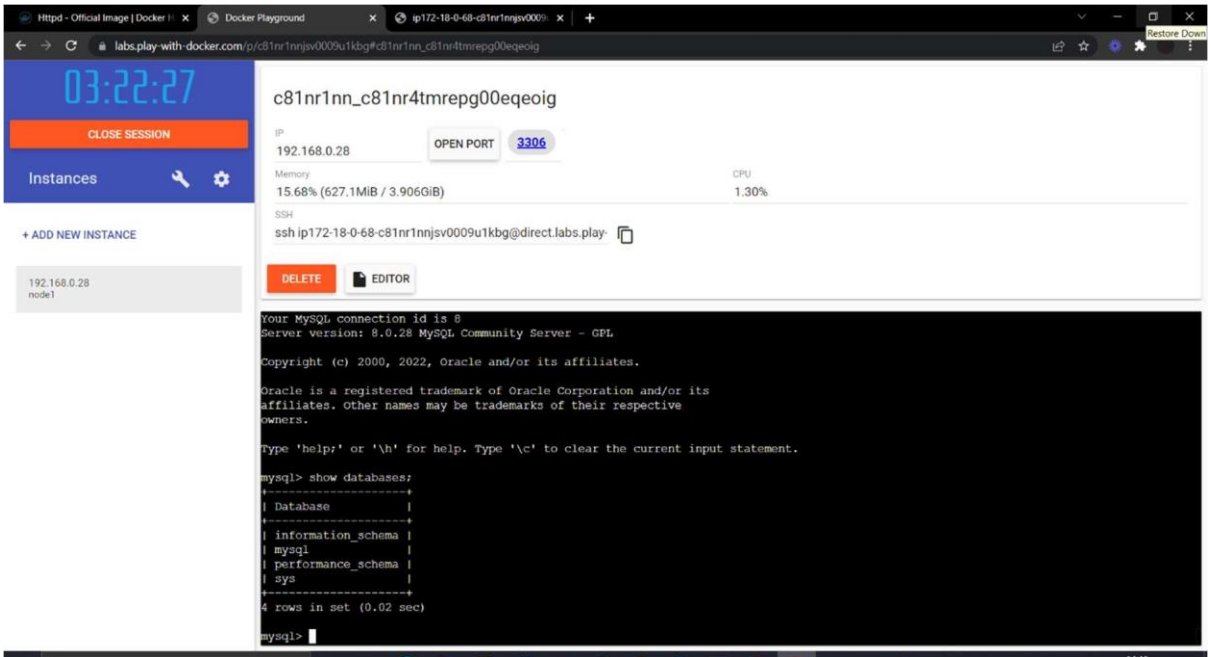

Httpd - Official Image | Docker H
Docker Playground
labs.play-with-docker.com/p/c81nr1nnjsv0009u1kbg#c81nr1nn_c81nr4tmrepg00eqeoig
03:05:03
CLOSE SESSION
Instances
+ ADD NEW INSTANCE
192.168.0.28
node1
c81nr1nn_c81nr4tmrepg00eqeoig
IP
192.168.0.28
OPEN PORT
3306
Memory
15.91% (636.3MiB / 3.906GiB)
CPU
0.72%
SSH
ssh ip172-18-0-68-c81nr1nnjsv0009u1kbg@direct.labs.play-
DELETE
EDITOR
-> ;
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right
syntax to use near 'Runners where release_year = 2016' at line 1
mysql> update `movies` set `title` = Midinght Runners where `release_year` = 2
016;
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right
syntax to use near 'Runners where `release_year` = 2016' at line 1
mysql> update `movies` set `title` ="Midinght Runners" where `release_year` = 2016;
Query OK, 1 row affected (0.00 sec)
Rows matched: 1 Changed: 1 Warnings: 0
mysql> select * from movies;
title	release_year
Exit	2019
Midinght Runners	2016
Parasite	2019
Space Sweepers	2021
4 rows in set (0.00 sec)
mysql>
Type here to search
27°C
ENG
15:03
09-02-2022

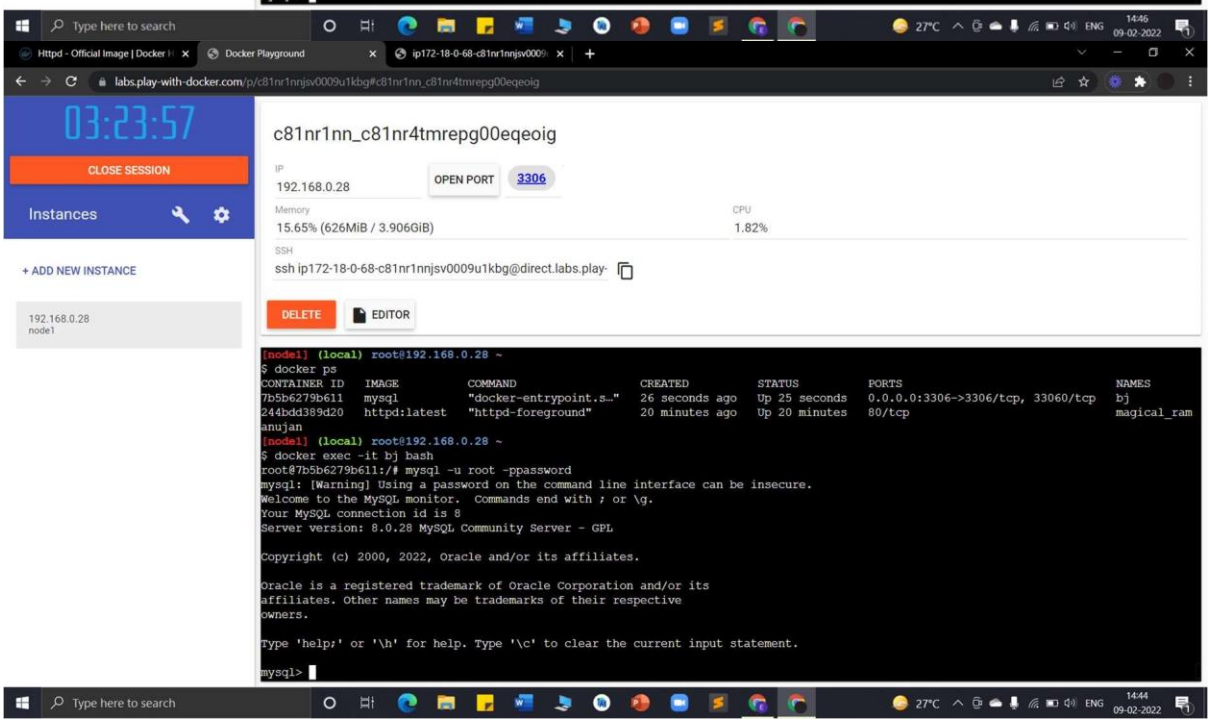

Httpd - Official Image | Docker H
Docker Playground
labs.play-with-docker.com/p/c81nr1nnjsv0009u1kbg#c81nr1nn_c81nr4tmrepg00eqeoig
03:11:44
CLOSE SESSION
Instances
+ ADD NEW INSTANCE
192.168.0.28
node1
c81nr1nn_c81nr4tmrepg00eqeoig
IP
192.168.0.28
OPEN PORT
3306
Memory
15.91% (636.2MiB / 3.906GiB)
CPU
0.91%
SSH
ssh ip172-18-0-68-c81nr1nnjsv0009u1kbg@direct.labs.play-
DELETE
EDITOR
title	release_year
Exit	2019
Parasite	2019
Space Sweepers	2021
3 rows in set (0.00 sec)
mysql> insert into movies value("Camelia",2016);
Query OK, 1 row affected (0.00 sec)
mysql> select * from movies;
title	release_year
Camelia	2016
Exit	2019
Parasite	2019
Space Sweepers	2021
4 rows in set (0.00 sec)
mysql>

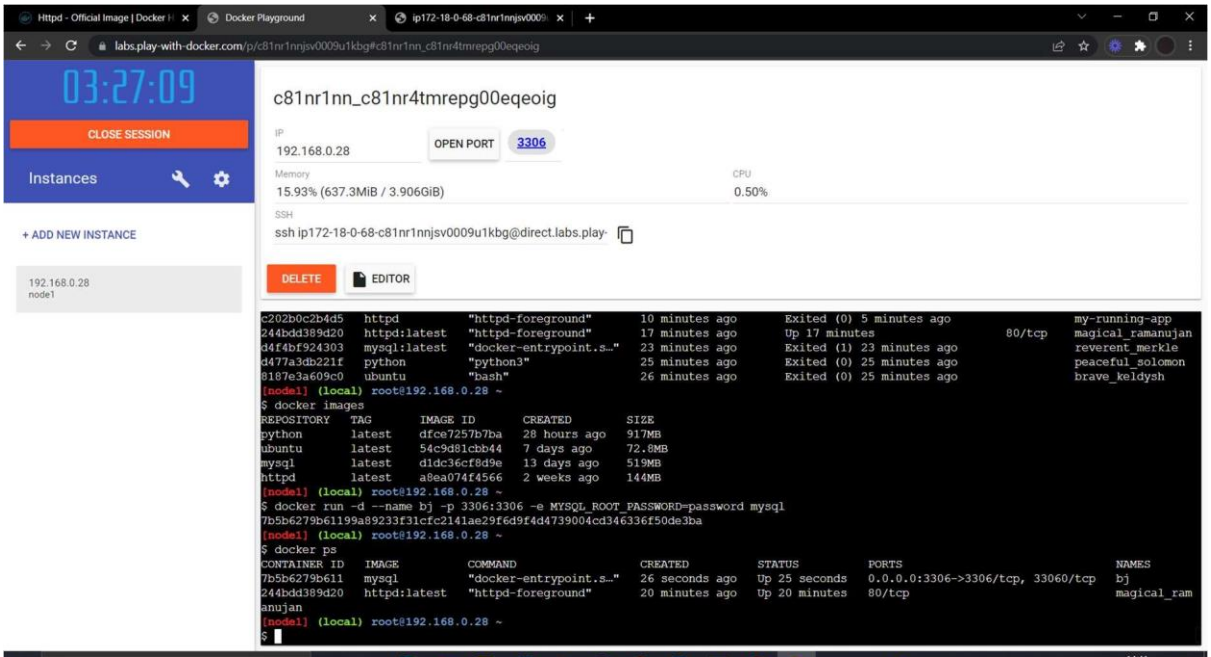

Type here to search
27°C
ENG
14:56
09-02-2022
Httpd - Official Image | Docker H
Docker Playground
labs.play-with-docker.com/p/c81nr1nnjsv0009u1kbg#c81nr1nn_c81nr4tmrepg00eqeoig
03:14:21
CLOSE SESSION
Instances
+ ADD NEW INSTANCE
192.168.0.28
node1
c81nr1nn_c81nr4tmrepg00eqeoig
IP
192.168.0.28
OPEN PORT
3306
Memory
15.96% (638.6MiB / 3.906GiB)
CPU
1.11%
SSH
ssh ip172-18-0-68-c81nr1nnjsv0009u1kbg@direct.labs.play-
DELETE
EDITOR
| mysql |
| performance_schema |
| sys |
5 rows in set (0.00 sec)
mysql> use docker;
Database changed
mysql> create table movies(title varchar(25) not null,release_year int not null,primary key(title));
Query OK, 0 rows affected (0.03 sec)
mysql> insert into movies value("Exit",2019);
Query OK, 1 row affected (0.03 sec)
mysql> select * from movies;
| title | release_year |
| Exit | 2019 |
1 row in set (0.00 sec)
mysql>
Type here to search
WIP...
ENG
14:54
09-02-2022

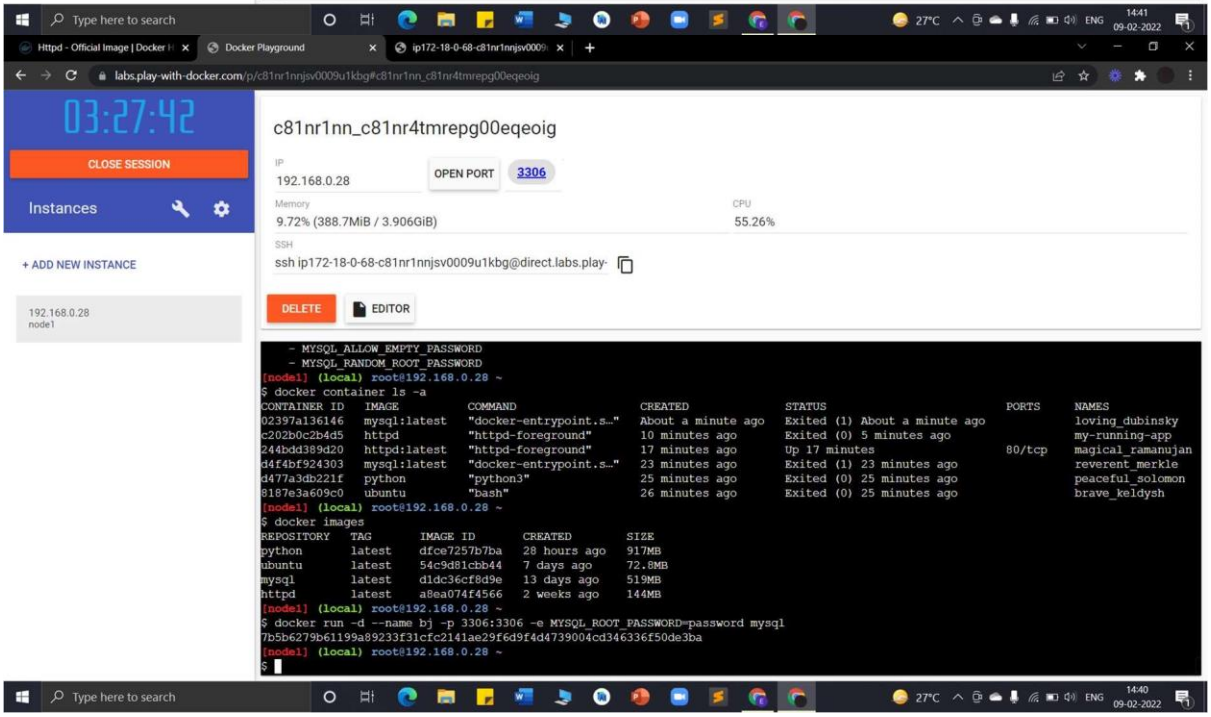

Httpd - Official Image | Docker H
Docker Playground
ip172-18-0-68-c81nr1nnjsv0009
labs.play-with-docker.com/p/c81nr1nnjsv0009u1kbg#c81nr1nn_c81nr4tmrepg00eqeoig
03:20:25
CLOSE SESSION
Instances
+ ADD NEW INSTANCE
192.168.0.28
node1
c81nr1nn_c81nr4tmrepg00eqeoig
IP
192.168.0.28
OPEN PORT
3306
Memory
15.76% (630.4MiB / 3.906GiB)
CPU
1.02%
SSH
ssh ip172-18-0-68-c81nr1nnjsv0009u1kbg@direct.labs.play-
DELETE
EDITOR
ha2_password | A005$THISISACOMBINATIONOFINVALIDSALTANDPASSWORDTHATMUSTNEVERBRBEUSED | N | 2022-02-09 09:10:46
NULL | Y | N | N | NULL | NULL | NULL
| NULL |
| localhost | root | Y | Y | Y | Y | Y | Y | Y | Y | Y
Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y
Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y
Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y
Y | Y | Y | Y | Y | Y | Y | Y | 0x | 0
x | 0x | 0 | 0 | 0 | 0 | caching_s
ha2_password | A005$#
#ry|7#JR)2t [#CWNoNJZ0jkO2MK9WMHCj35YX8wnrck9vv8SO96q/2q1 | N | 2022-02-09 09:10:57 | NULL |
N | Y | Y | NULL | NULL | NULL | NULL
5 rows in set (0.01 sec)
mysql>

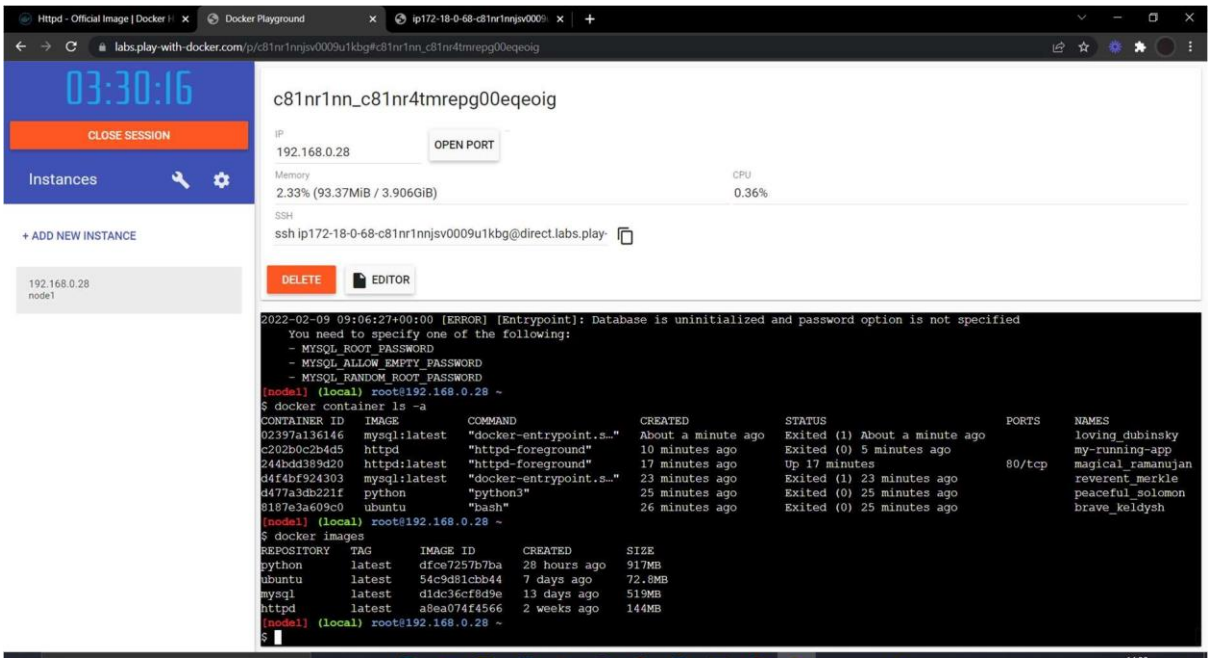

Type here to search
27°C
ENG
14:48
09-02-2022
Httpd - Official Image | Docker H
Docker Playground
ip172-18-0-68-c81nr1nnjsv0009
labs.play-with-docker.com/p/c81nr1nnjsv0009u1kbg#c81nr1nn_c81nr4tmrepg00eqeoig
03:21:50
CLOSE SESSION
Instances
+ ADD NEW INSTANCE
192.168.0.28
node1
c81nr1nn_c81nr4tmrepg00eqeoig
IP
192.168.0.28
OPEN PORT
3306
Memory
15.76% (630.3MiB / 3.906GiB)
CPU
0.10%
SSH
ssh ip172-18-0-68-c81nr1nnjsv0009u1kbg@direct.labs.play-
DELETE
EDITOR
| proxies_priv
| replication_asynchronous_connection_failover
| replication_asynchronous_connection_failover_managed
| replication_group_configuration_version
| replication_group_member_actions
| role_edges
| server_cost
| servers
| slave_master_info
| slave_relay_log_info
| slave_worker_info
| slow_log
| tables_priv
| time_zone
| time_zone_leap_second
| time_zone_name
| time_zone_transition
| time_zone_transition_type
| user
37 rows in set (0.00 sec)
mysql>
Type here to search
27°C
ENG
14:46
09-02-2022

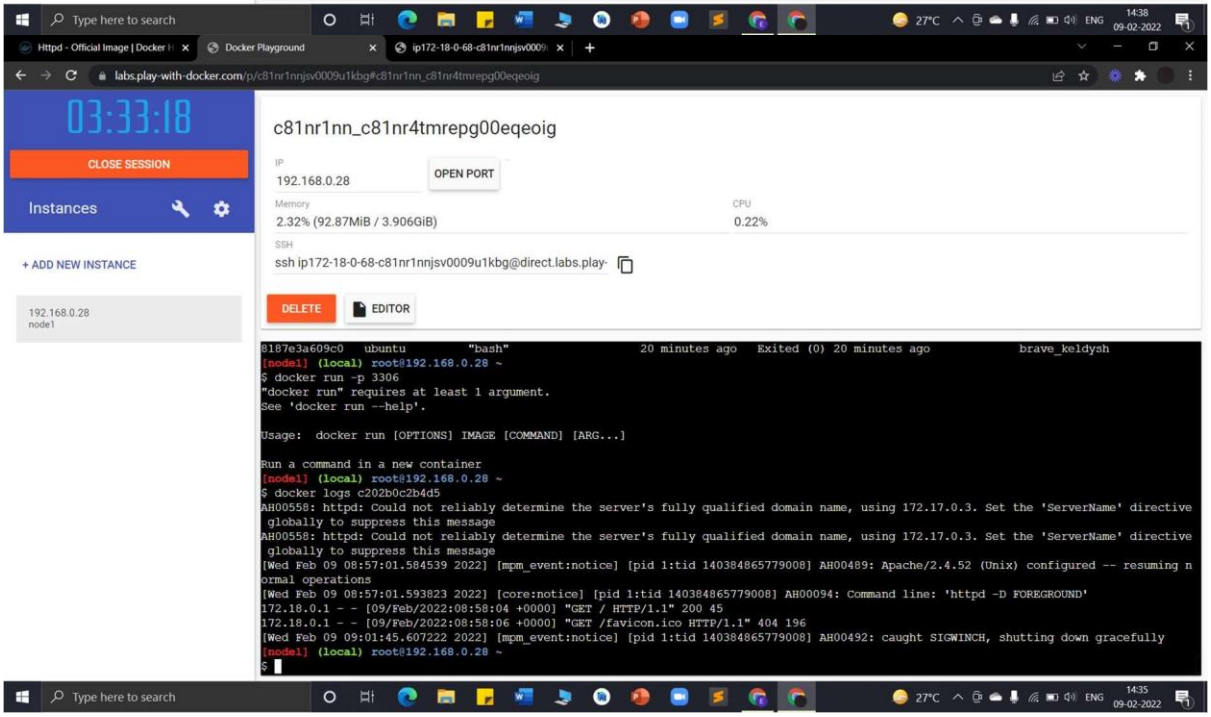

Httpd - Official Image | Docker H
Docker Playground
ip172-18-0-68-c81nr1nnjsv0009
labs.play-with-docker.com/p/c81nr1nnjsv0009u1kbg#c81nr1nn_c81nr4tmrepg00eqeoig
Restore Down
03:22:27
CLOSE SESSION
Instances
+ ADD NEW INSTANCE
192.168.0.28
node1
c81nr1nn_c81nr4tmrepg00eqeoig
IP
192.168.0.28
OPEN PORT
3306
Memory
15.68% (627.1MiB / 3.906GiB)
CPU
1.30%
SSH
ssh ip172-18-0-68-c81nr1nnjsv0009u1kbg@direct.labs.play-
DELETE
EDITOR
Your MySQL connection id is 8
Server version: 8.0.28 MySQL Community Server - GPL
Copyright (c) 2000, 2022, Oracle and/or its affiliates.
Oracle is a registered trademark of Oracle Corporation and/or its
affiliates. Other names may be trademarks of their respective
owners.
Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.
mysql> show databases;
+--------------------+
| Database |
+--------------------+
| information_schema |
| mysql |
| performance_schema |
| sys |
+--------------------+
4 rows in set (0.02 sec)
mysql>
Type here to search
27°C
ENG
14:46
09-02-2022

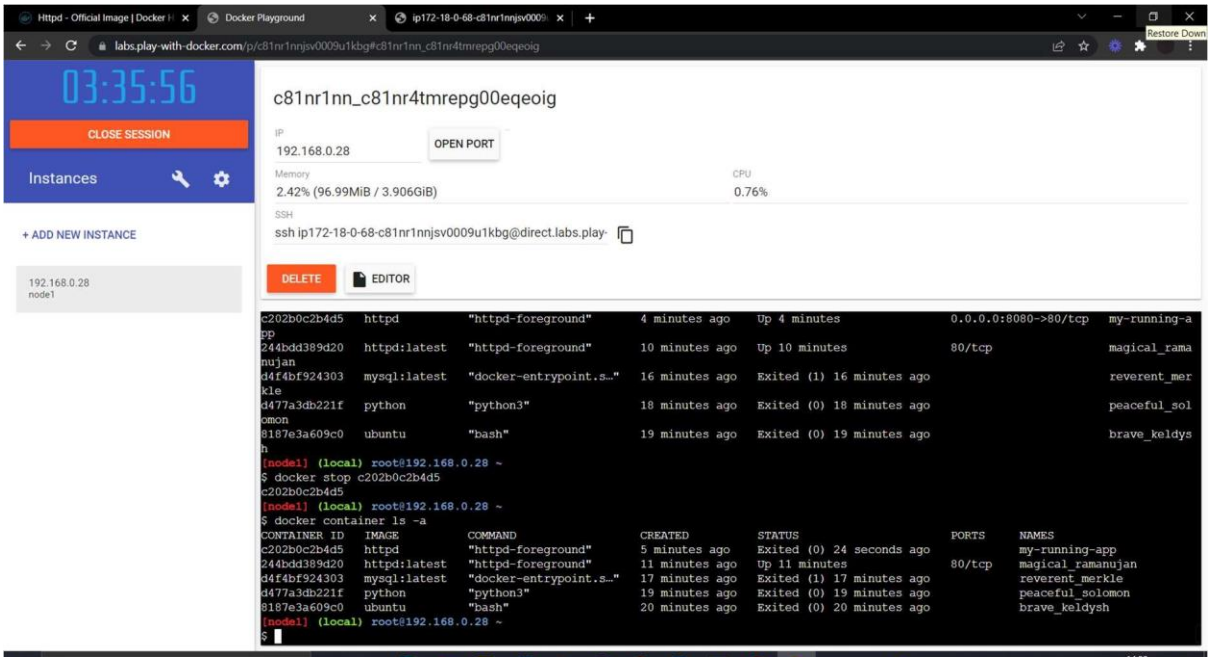

Httpd - Official Image | Docker H
Docker Playground
ip172-18-0-68-c81nr1nnjsv0009
labs.play-with-docker.com/p/c81nr1nnjsv0009u1kbg#c81nr1nn_c81nr4tmrepg00eqeoig
03:23:57
CLOSE SESSION
Instances
+ ADD NEW INSTANCE
192.168.0.28
node1
c81nr1nn_c81nr4tmrepg00eqeoig
IP
192.168.0.28
OPEN PORT
3306
Memory
15.65% (626MiB / 3.906GiB)
CPU
1.82%
SSH
ssh ip172-18-0-68-c81nr1nnjsv0009u1kbg@direct.labs.play-
DELETE
EDITOR
[node1] (local) root@192.168.0.28 ~
$ docker ps
CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS NAMES
7b5b6279b611 mysql "docker-entrypoint.s…" 26 seconds ago Up 25 seconds 0.0.0.0:3306->3306/tcp, 33060/tcp bj
244bdd389d20 httpd:latest "httpd-foreground" 20 minutes ago Up 20 minutes 80/tcp magical_ram
anujan
[node1] (local) root@192.168.0.28 ~
$ docker exec -it bj bash
root@7b5b6279b611:/# mysql -u root -ppassword
mysql: [Warning] Using a password on the command line interface can be insecure.
Welcome to the MySQL monitor. Commands end with ; or \g.
Your MySQL connection id is 8
Server version: 8.0.28 MySQL Community Server - GPL
Copyright (c) 2000, 2022, Oracle and/or its affiliates.
Oracle is a registered trademark of Oracle Corporation and/or its
affiliates. Other names may be trademarks of their respective
owners.
Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.
mysql>
Type here to search
27°C
ENG
14:44
09-02-2022

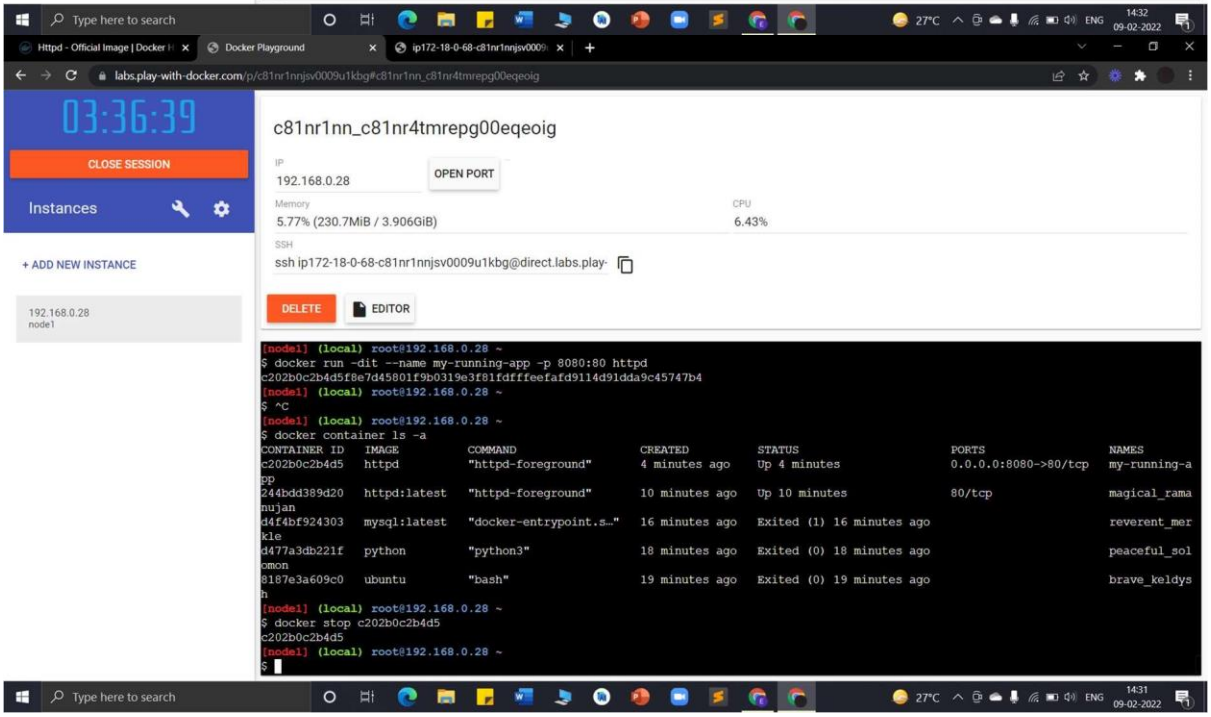

Httpd - Official Image | Docker H
Docker Playground
ip172-18-0-68-c81nr1nnjsv0009
labs.play-with-docker.com/p/c81nr1nnjsv0009u1kbg#c81nr1nn_c81nr4tmrepg00eqeoig
03:27:09
CLOSE SESSION
Instances
+ ADD NEW INSTANCE
192.168.0.28
node1
c81nr1nn_c81nr4tmrepg00eqeoig
IP
192.168.0.28
OPEN PORT
3306
Memory
15.93% (637.3MiB / 3.906GiB)
CPU
0.50%
SSH
ssh ip172-18-0-68-c81nr1nnjsv0009u1kbg@direct.labs.play-
DELETE
EDITOR
c202b0c2b4d5 httpd "httpd-foreground" 10 minutes ago Exited (0) 5 minutes ago my-running-app
244bdd389d20 httpd:latest "httpd-foreground" 17 minutes ago Up 17 minutes 80/tcp magical_ramanujan
d4f4bf924303 mysql:latest "docker-entrypoint.s…" 23 minutes ago Exited (1) 23 minutes ago reverent_merkle
d477a3db221f python "python3" 25 minutes ago Exited (0) 25 minutes ago peaceful_solomon
8187e3a609c0 ubuntu "bash" 26 minutes ago Exited (0) 25 minutes ago brave_keldysh
[node1] (local) root@192.168.0.28 ~
$ docker images
REPOSITORY TAG IMAGE ID CREATED SIZE
python latest dfce7257b7ba 28 hours ago 917MB
ubuntu latest 54c9d81cbb44 7 days ago 72.8MB
mysql latest d1dc36cf8d9e 13 days ago 519MB
httpd latest a8ea074f4566 2 weeks ago 144MB
[node1] (local) root@192.168.0.28 ~
$ docker run -d --name bj -p 3306:3306 -e MYSQL_ROOT_PASSWORD=password mysql
7b5b6279b61199a89233f31cfc2141ae29f6d9f4d4739004cd346336f50de3ba
[node1] (local) root@192.168.0.28 ~
$ docker ps
CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS NAMES
7b5b6279b611 mysql "docker-entrypoint.s…" 26 seconds ago Up 25 seconds 0.0.0.0:3306->3306/tcp, 33060/tcp bj
244bdd389d20 httpd:latest "httpd-foreground" 20 minutes ago Up 20 minutes 80/tcp magical_ram
anujan
[node1] (local) root@192.168.0.28 ~
$
Type here to search
27°C
ENG
14:41
09-02-2022

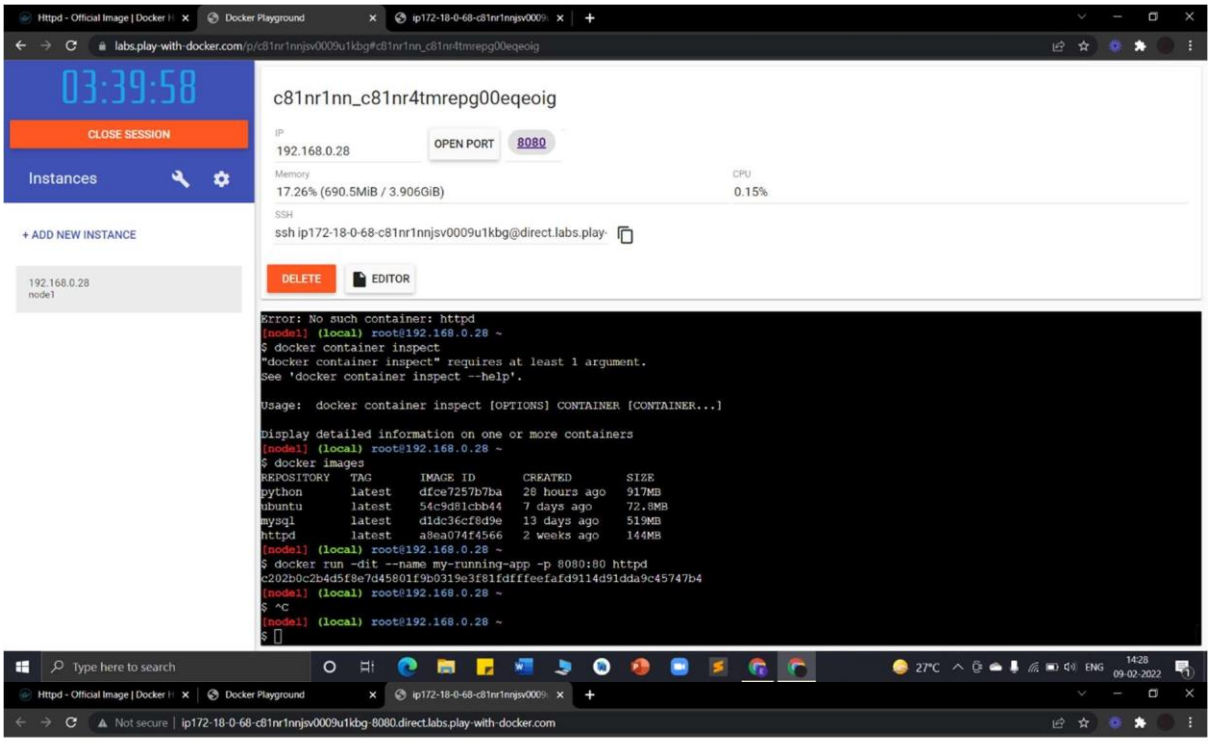

Httpd - Official Image | Docker H
Docker Playground
ip172-18-0-68-c81nr1nnjsv0009
labs.play-with-docker.com/p/c81nr1nnjsv0009u1kbg#c81nr1nn_c81nr4tmrepg00eqeoig
03:27:42
CLOSE SESSION
Instances
+ ADD NEW INSTANCE
192.168.0.28
node1
c81nr1nn_c81nr4tmrepg00eqeoig
IP
192.168.0.28
OPEN PORT
3306
Memory
9.72% (388.7MiB / 3.906GiB)
CPU
55.26%
SSH
ssh ip172-18-0-68-c81nr1nnjsv0009u1kbg@direct.labs.play-
DELETE
EDITOR
- MYSQL_ALLOW_EMPTY_PASSWORD
- MYSQL_RANDOM_ROOT_PASSWORD
[node1] (local) root@192.168.0.28 ~
$ docker container ls -a
CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS NAMES
02397a136146 mysql:latest "docker-entrypoint.s…" About a minute ago Exited (1) About a minute ago loving_dubinsky
c202b0c2b4d5 httpd "httpd-foreground" 10 minutes ago Exited (0) 5 minutes ago my-running-app
244bdd389d20 httpd:latest "httpd-foreground" 17 minutes ago Up 17 minutes 80/tcp magical_ramanujan
d4f4bf924303 mysql:latest "docker-entrypoint.s…" 23 minutes ago Exited (1) 23 minutes ago reverent_merkle
d477a3db221f python "python3" 25 minutes ago Exited (0) 25 minutes ago peaceful_solomon
8187e3a609c0 ubuntu "bash" 26 minutes ago Exited (0) 25 minutes ago brave_keldysh
[node1] (local) root@192.168.0.28 ~
$ docker images
REPOSITORY TAG IMAGE ID CREATED SIZE
python latest dfce7257b7ba 28 hours ago 917MB
ubuntu latest 54c9d81cbb44 7 days ago 72.8MB
mysql latest d1dc36cf8d9e 13 days ago 519MB
httpd latest a8ea074f4566 2 weeks ago 144MB
[node1] (local) root@192.168.0.28 ~
$ docker run -d --name bj -p 3306:3306 -e MYSQL_ROOT_PASSWORD=password mysql
7b5b6279b61199a89233f31cfc2141ae29f6d9f4d4739004cd346336f50de3ba
[node1] (local) root@192.168.0.28 ~
$
Type here to search
27°C
ENG
14:40
09-02-2022


Httpd - Official Image | Docker H
Docker Playground
ip172-18-0-68-c81nr1nnjsv0009
labs.play-with-docker.com/p/c81nr1nnjsv0009u1kbg#c81nr1nn_c81nr4tmrepg00eqeoig
03:30:16
CLOSE SESSION
Instances
+ ADD NEW INSTANCE
192.168.0.28
node1
c81nr1nn_c81nr4tmrepg00eqeoig
IP
192.168.0.28
OPEN PORT
Memory
2.33% (93.37MiB / 3.906GiB)
CPU
0.36%
SSH
ssh ip172-18-0-68-c81nr1nnjsv0009u1kbg@direct.labs.play-
DELETE
EDITOR
2022-02-09 09:06:27+00:00 [ERROR] [Entrypoint]: Database is uninitialized and password option is not specified
You need to specify one of the following:
- MYSQL_ROOT_PASSWORD
- MYSQL_ALLOW_EMPTY_PASSWORD
- MYSQL_RANDOM_ROOT_PASSWORD
[node1] (local) root@192.168.0.28 ~
$ docker container ls -a
CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS NAMES
02397a136146 mysql:latest "docker-entrypoint.s…" About a minute ago Exited (1) About a minute ago loving_dubinsky
c202b0c2b4d5 httpd "httpd-foreground" 10 minutes ago Exited (0) 5 minutes ago my-running-app
244bdd389d20 httpd:latest "httpd-foreground" 17 minutes ago Up 17 minutes 80/tcp magical_ramanujan
d4f4bf924303 mysql:latest "docker-entrypoint.s…" 23 minutes ago Exited (1) 23 minutes ago reverent_merkle
d477a3db221f python "python3" 25 minutes ago Exited (0) 25 minutes ago peaceful_solomon
8187e3a609c0 ubuntu "bash" 26 minutes ago Exited (0) 25 minutes ago brave_keldysh
[node1] (local) root@192.168.0.28 ~
$ docker images
REPOSITORY TAG IMAGE ID CREATED SIZE
python latest dfce7257b7ba 28 hours ago 917MB
ubuntu latest 54c9d81cbb44 7 days ago 72.8MB
mysql latest d1dc36cf8d9e 13 days ago 519MB
httpd latest a8ea074f4566 2 weeks ago 144MB
[node1] (local) root@192.168.0.28 ~
$
Type here to search
27°C
ENG
14:38
09-02-2022


Httpd - Official Image | Docker H
Docker Playground
ip172-18-0-68-c81nr1nnjsv0009
labs.play-with-docker.com/p/c81nr1nnjsv0009u1kbg#c81nr1nn_c81nr4tmrepg00eqeoig
03:33:18
CLOSE SESSION
Instances
+ ADD NEW INSTANCE
192.168.0.28
node1
c81nr1nn_c81nr4tmrepg00eqeoig
IP
192.168.0.28
OPEN PORT
Memory
2.32% (92.87MiB / 3.906GiB)
CPU
0.22%
SSH
ssh ip172-18-0-68-c81nr1nnjsv0009u1kbg@direct.labs.play-
DELETE
EDITOR
8187e3a609c0 ubuntu "bash" 20 minutes ago Exited (0) 20 minutes ago brave_keldysh
[node1] (local) root@192.168.0.28 ~
$ docker run -p 3306
"docker run" requires at least 1 argument.
See 'docker run --help'.
Usage: docker run [OPTIONS] IMAGE [COMMAND] [ARG...]
Run a command in a new container
[node1] (local) root@192.168.0.28 ~
$ docker logs c202b0c2b4d5
AH00558: httpd: Could not reliably determine the server's fully qualified domain name, using 172.17.0.3. Set the 'ServerName' directive globally to suppress this message
AH00558: httpd: Could not reliably determine the server's fully qualified domain name, using 172.17.0.3. Set the 'ServerName' directive globally to suppress this message
[Wed Feb 09 08:57:01.584539 2022] [mpm_event:notice] [pid 1:tid 140384865779008] AH00489: Apache/2.4.52 (Unix) configured -- resuming normal operations
[Wed Feb 09 08:57:01.593823 2022] [core:notice] [pid 1:tid 140384865779008] AH00094: Command line: 'httpd -D FOREGROUND'
172.18.0.1 - - [09/Feb/2022:08:58:04 +0000] "GET / HTTP/1.1" 200 45
172.18.0.1 - - [09/Feb/2022:08:58:06 +0000] "GET /favicon.ico HTTP/1.1" 404 196
[Wed Feb 09 09:01:45.607222 2022] [mpm_event:notice] [pid 1:tid 140384865779008] AH00492: caught SIGWINCH, shutting down gracefully
[node1] (local) root@192.168.0.28 ~
$
Type here to search
27°C
ENG
14:35
09-02-2022

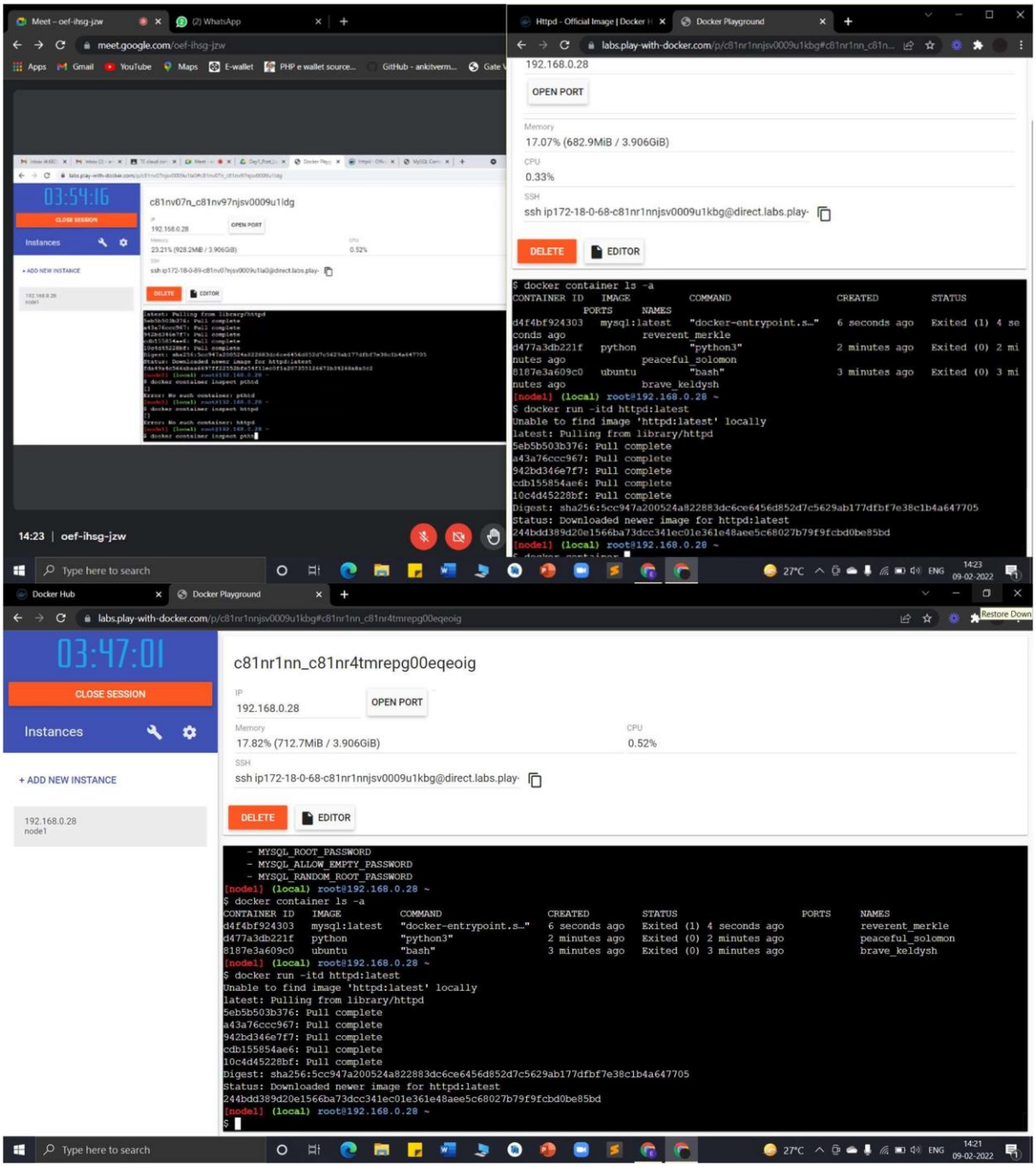

Httpd - Official Image | Docker H
Docker Playground
ip172-18-0-68-c81nr1nnjsv0009
labs.play-with-docker.com/p/c81nr1nnjsv0009u1kbg#c81nr1nn_c81nr4tmrepg00eqeoig
Restore Down
03:35:56
CLOSE SESSION
Instances
+ ADD NEW INSTANCE
192.168.0.28
node1
c81nr1nn_c81nr4tmrepg00eqeoig
IP
192.168.0.28
OPEN PORT
Memory
2.42% (96.99MiB / 3.906GiB)
CPU
0.76%
SSH
ssh ip172-18-0-68-c81nr1nnjsv0009u1kbg@direct.labs.play-
DELETE
EDITOR
c202b0c2b4d5 httpd "httpd-foreground" 4 minutes ago Up 4 minutes 0.0.0.0:8080->80/tcp my-running-app
244bdd389d20 httpd:latest "httpd-foreground" 10 minutes ago Up 10 minutes 80/tcp magical_ramanujan
d4f4bf924303 mysql:latest "docker-entrypoint.s…" 16 minutes ago Exited (1) 16 minutes ago reverent_merkle
d477a3db221f python "python3" 18 minutes ago Exited (0) 18 minutes ago peaceful_solomon
8187e3a609c0 ubuntu "bash" 19 minutes ago Exited (0) 19 minutes ago brave_keldysh
[node1] (local) root@192.168.0.28 ~
$ docker stop c202b0c2b4d5
c202b0c2b4d5
[node1] (local) root@192.168.0.28 ~
$ docker container ls -a
CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS NAMES
c202b0c2b4d5 httpd "httpd-foreground" 5 minutes ago Exited (0) 24 seconds ago my-running-app
244bdd389d20 httpd:latest "httpd-foreground" 11 minutes ago Up 11 minutes 80/tcp magical_ramanujan
d4f4bf924303 mysql:latest "docker-entrypoint.s…" 17 minutes ago Exited (1) 17 minutes ago reverent_merkle
d477a3db221f python "python3" 19 minutes ago Exited (0) 19 minutes ago peaceful_solomon
8187e3a609c0 ubuntu "bash" 20 minutes ago Exited (0) 20 minutes ago brave_keldysh
[node1] (local) root@192.168.0.28 ~
$
Type here to search
27°C
ENG
14:32
09-02-2022

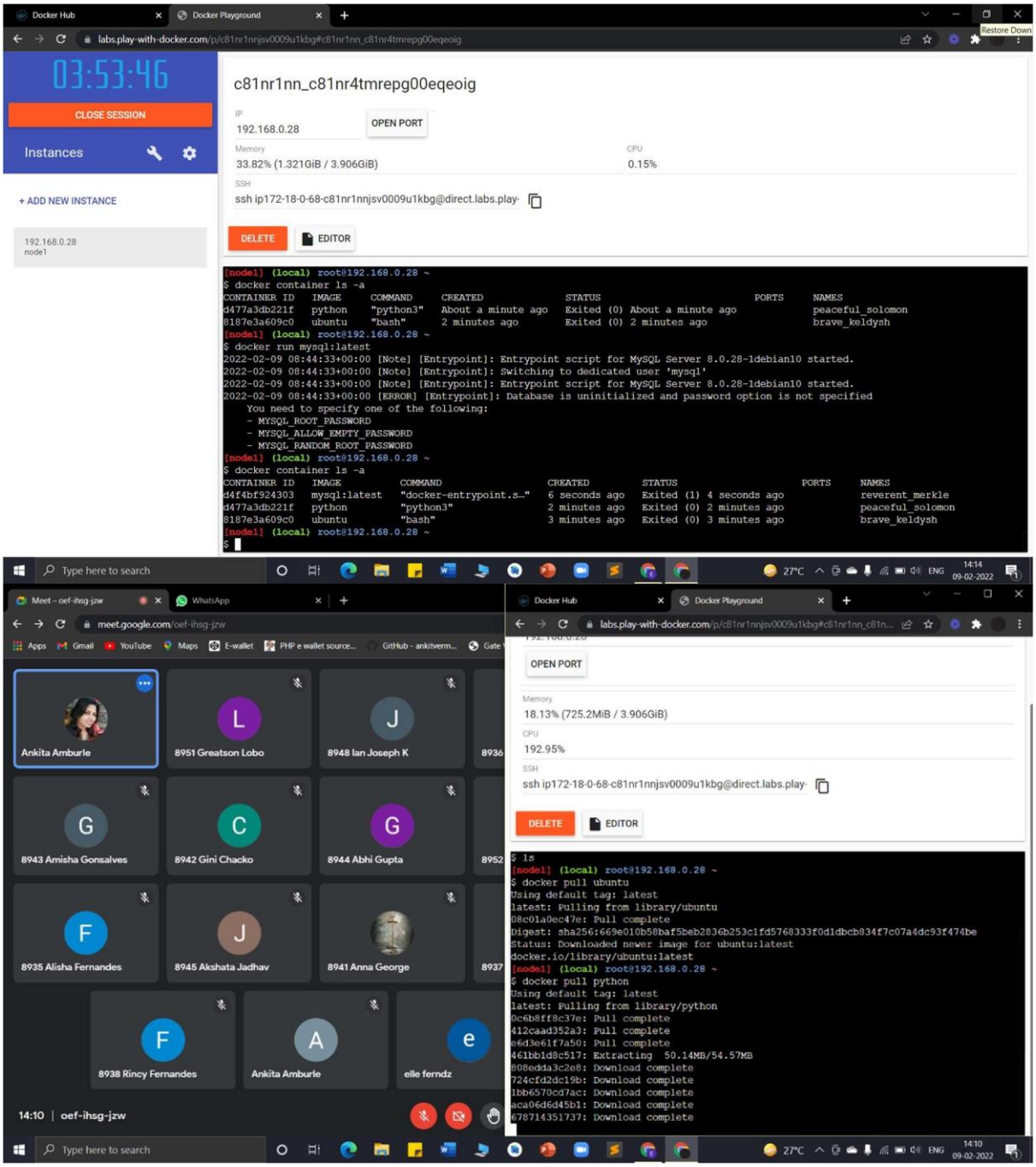

Httpd - Official Image | Docker H
Docker Playground
ip172-18-0-68-c81nr1nnjsv0009
labs.play-with-docker.com/p/c81nr1nnjsv0009u1kbg#c81nr1nn_c81nr4tmrepg00eqeoig
03:36:39
CLOSE SESSION
Instances
+ ADD NEW INSTANCE
192.168.0.28
node1
c81nr1nn_c81nr4tmrepg00eqeoig
IP
192.168.0.28
OPEN PORT
Memory
5.77% (230.7MiB / 3.906GiB)
CPU
6.43%
SSH
ssh ip172-18-0-68-c81nr1nnjsv0009u1kbg@direct.labs.play-
DELETE
EDITOR
[node1] (local) root@192.168.0.28 ~
$ docker run -dit --name my-running-app -p 8080:80 httpd
c202b0c2b4d5f8e7d45801f9b0319e3f81fdfffeefafd9114d91dda9c45747b4
[node1] (local) root@192.168.0.28 ~
$ ^C
[node1] (local) root@192.168.0.28 ~
$ docker container ls -a
CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS NAMES
c202b0c2b4d5 httpd "httpd-foreground" 4 minutes ago Up 4 minutes 0.0.0.0:8080->80/tcp my-running-app
244bdd389d20 httpd:latest "httpd-foreground" 10 minutes ago Up 10 minutes 80/tcp magical_ramanujan
d4f4bf924303 mysql:latest "docker-entrypoint.s…" 16 minutes ago Exited (1) 16 minutes ago reverent_merkle
d477a3db221f python "python3" 18 minutes ago Exited (0) 18 minutes ago peaceful_solomon
8187e3a609c0 ubuntu "bash" 19 minutes ago Exited (0) 19 minutes ago brave_keldysh
[node1] (local) root@192.168.0.28 ~
$ docker stop c202b0c2b4d5
c202b0c2b4d5
[node1] (local) root@192.168.0.28 ~
$
Type here to search
27°C
ENG
14:31
09-02-2022

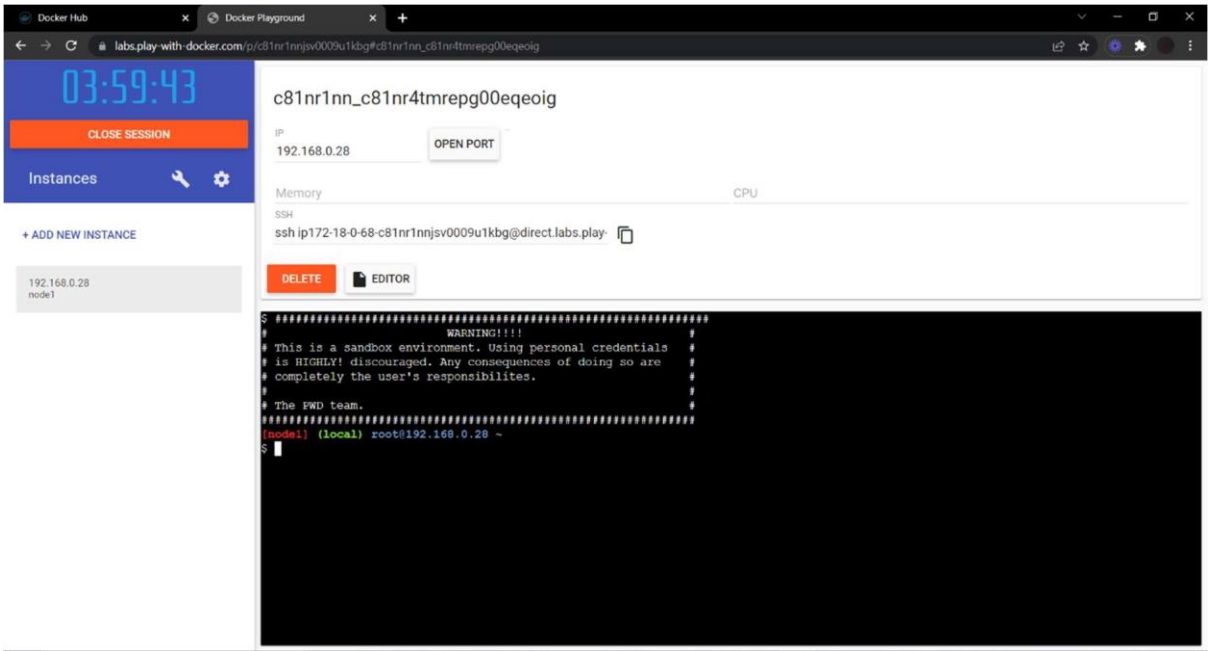

Httpd - Official Image | Docker H
Docker Playground
labs.play-with-docker.com/p/c81nr1nnjsv0009u1kbg#c81nr1nn_c81nr4tmrepg00eqeoig
03:39:58
CLOSE SESSION
Instances
+ ADD NEW INSTANCE
192.168.0.28
node1
c81nr1nn_c81nr4tmrepg00eqeoig
IP
192.168.0.28
OPEN PORT
8080
Memory
17.26% (690.5MiB / 3.906GiB)
CPU
0.15%
SSH
ssh ip172-18-0-68-c81nr1nnjsv0009u1kbg@direct.labs.play-
DELETE
EDITOR
Error: No such container: httpd
[node1] (local) root@192.168.0.28 ~
$ docker container inspect
"docker container inspect" requires at least 1 argument.
See 'docker container inspect --help'.
Usage: docker container inspect [OPTIONS] CONTAINER [CONTAINER...]
Display detailed information on one or more containers
[node1] (local) root@192.168.0.28 ~
$ docker images
REPOSITORY TAG IMAGE ID CREATED SIZE
python latest dfce7257b7ba 28 hours ago 917MB
ubuntu latest 54c9d81cbb44 7 days ago 72.8MB
mysql latest d1dc36cf8d9e 13 days ago 519MB
httpd latest a8ea074f4566 2 weeks ago 144MB
[node1] (local) root@192.168.0.28 ~
$ docker run -dit --name my-running-app -p 8080:80 httpd
c202b0c2b4d5f8e7d45801f9b0319e3f81fdfffeefafd9114d91dda9c45747b4
[node1] (local) root@192.168.0.28 ~
$ ^C
[node1] (local) root@192.168.0.28 ~
$
Type here to search
27°C
ENG
14:28
09-02-2022
Httpd - Official Image | Docker H
Docker Playground
Not secure | ip172-18-0-68-c81nr1nnjsv0009u1kbg-8080.direct.labs.play-with-docker.com

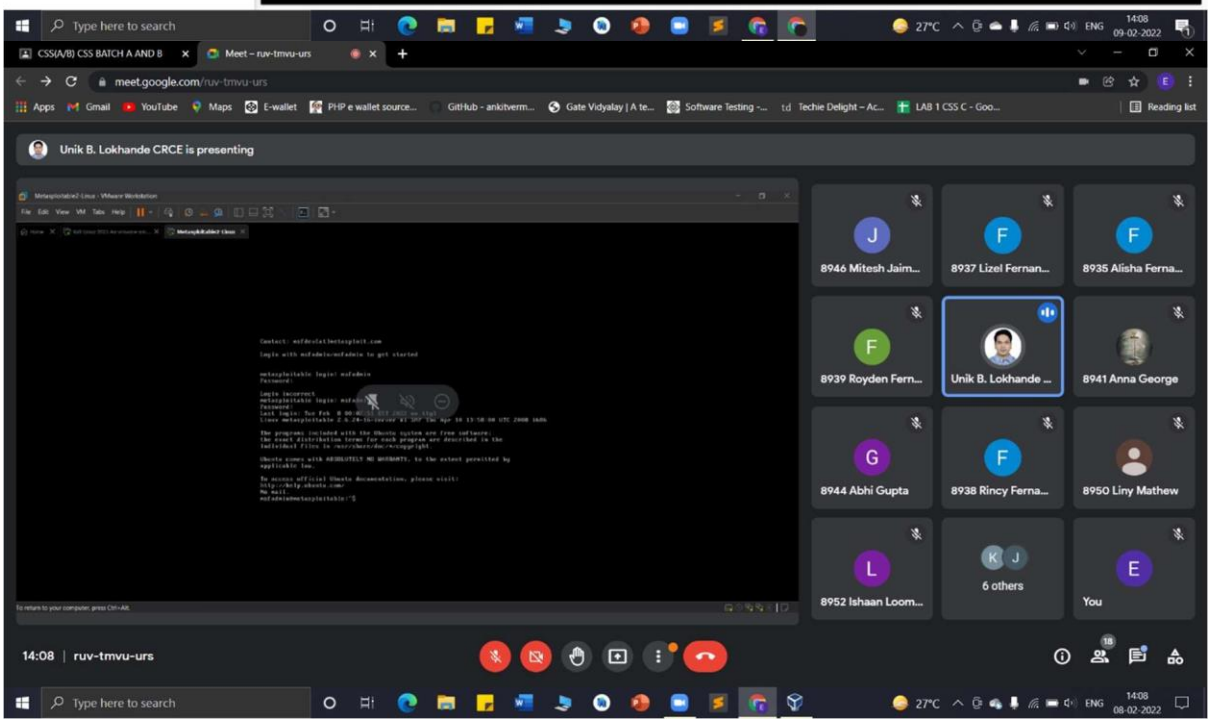
It works!

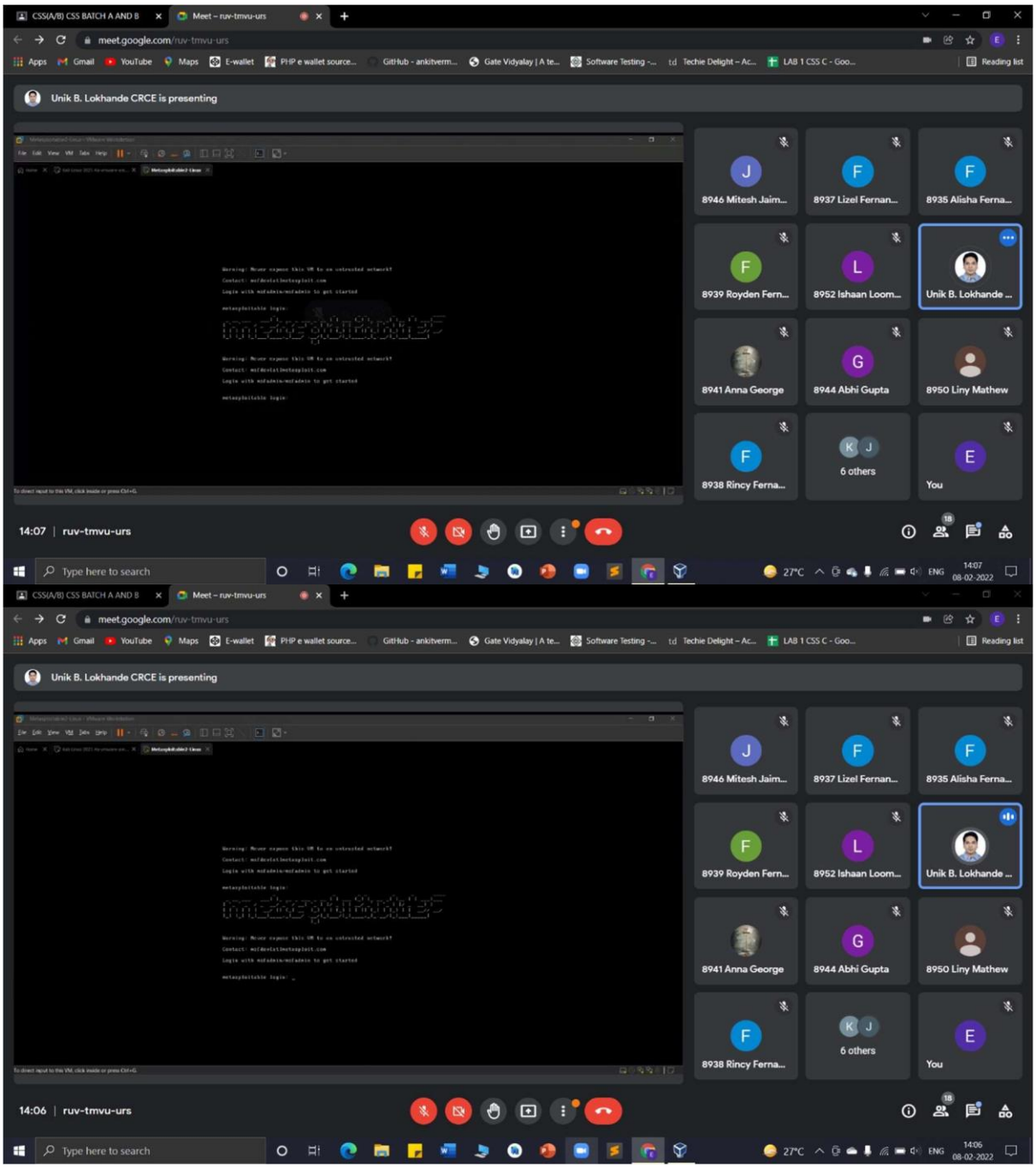

Type here to search
27°C
ENG
14:28
09-02-2022

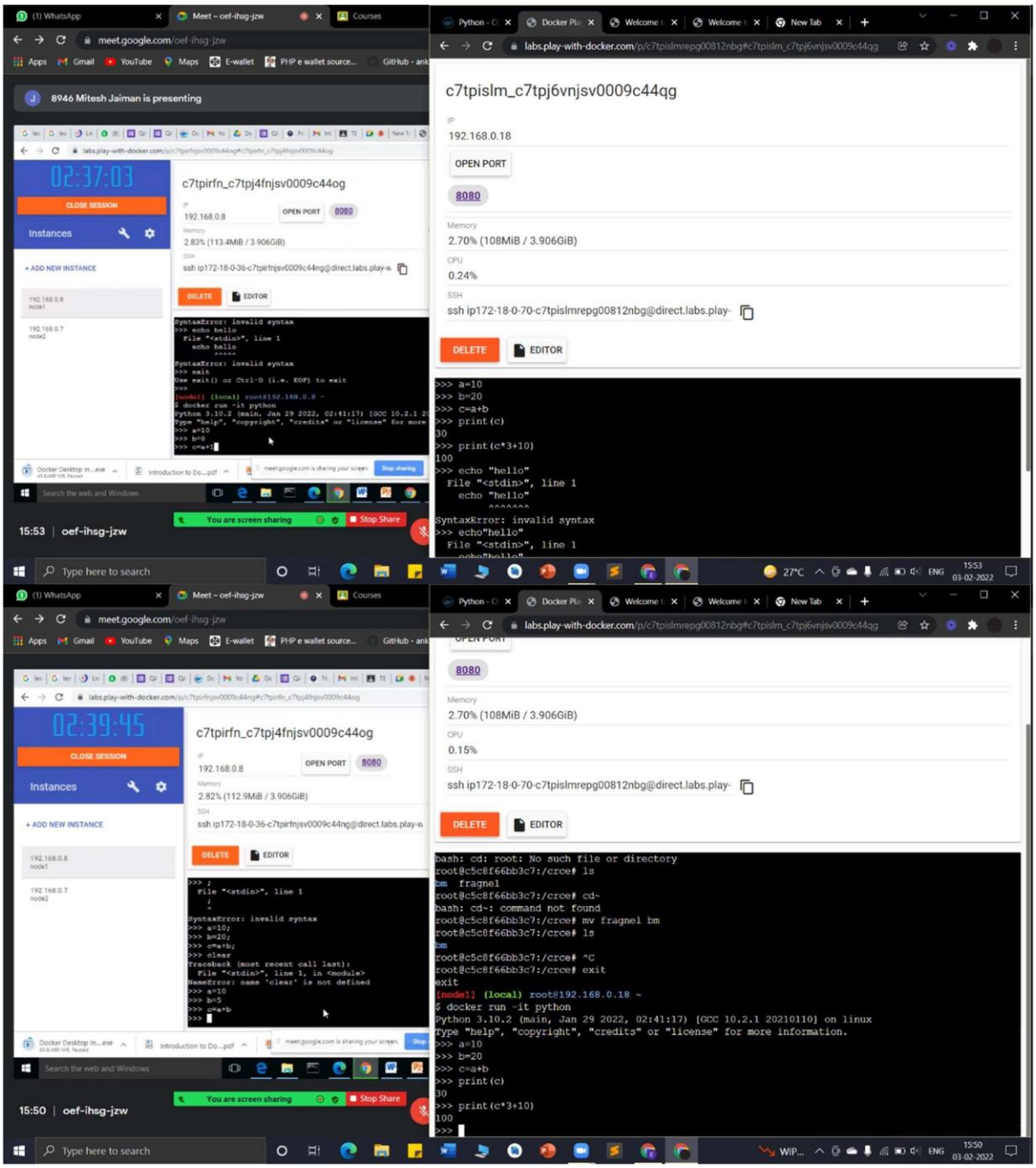

Meet – oef-ihsg-jzw
(2) WhatsApp
meet.google.com/oef-ihsg-jzw
Apps
Gmail
YouTube
Maps
E-wallet
PHP e wallet source...
GitHub - ankitverm...
03:54:16
CLOSE SESSION
Instances
+ ADD NEW INSTANCE
c81nv07n_c81nv97njsv0009u1ldg
192.168.0.28
OPEN PORT
23.21% (928.2MiB / 3.906GiB)
0.52%
DELETE
EDITOR
14:23 | oef-ihsg-jzw
Httpd - Official Image | Docker H
Docker Playground
labs.play-with-docker.com/p/c81nr1nnjsv0009u1kbg#c81nr1nn_c81n...
192.168.0.28
OPEN PORT
Memory
17.07% (682.9MiB / 3.906GiB)
CPU
0.33%
SSH
ssh ip172-18-0-68-c81nr1nnjsv0009u1kbg@direct.labs.play-
DELETE
EDITOR
$ docker container ls -a
CONTAINER ID IMAGE COMMAND CREATED STATUS
PORTS NAMES
d4f4bf924303 mysql:latest "docker-entrypoint.s…" 6 seconds ago Exited (1) 4 se
conds ago reverent_merkle
d477a3db221f python "python3" 2 minutes ago Exited (0) 2 mi
nutes ago peaceful_solomon
8187e3a609c0 ubuntu "bash" 3 minutes ago Exited (0) 3 mi
nutes ago brave_keldysh
[node1] (local) root@192.168.0.28 ~
$ docker run -itd httpd:latest
Unable to find image 'httpd:latest' locally
latest: Pulling from library/httpd
5eb5b503b376: Pull complete
a43a76ccc967: Pull complete
942bd346e7f7: Pull complete
cdb155854ae6: Pull complete
10c4d45228bf: Pull complete
Digest: sha256:5cc947a200524a822883dc6ce6456d852d7c5629ab177dfbf7e38c1b4a647705
Status: Downloaded newer image for httpd:latest
244bdd389d20e1566ba73dcc341ec01e361e48aee5c68027b79f9fcbd0be85bd
[node1] (local) root@192.168.0.28 ~
Type here to search
27°C
ENG
14:23
09-02-2022
Docker Hub
Docker Playground
labs.play-with-docker.com/p/c81nr1nnjsv0009u1kbg#c81nr1nn_c81nr4tmrepg00eqeoig
Restore Down
03:47:01
CLOSE SESSION
Instances
+ ADD NEW INSTANCE
192.168.0.28
node1
c81nr1nn_c81nr4tmrepg00eqeoig
IP
192.168.0.28
OPEN PORT
Memory
17.82% (712.7MiB / 3.906GiB)
CPU
0.52%
SSH
ssh ip172-18-0-68-c81nr1nnjsv0009u1kbg@direct.labs.play-
DELETE
EDITOR
- MYSQL_ROOT_PASSWORD
- MYSQL_ALLOW_EMPTY_PASSWORD
- MYSQL_RANDOM_ROOT_PASSWORD
[node1] (local) root@192.168.0.28 ~
$ docker container ls -a
CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS NAMES
d4f4bf924303 mysql:latest "docker-entrypoint.s…" 6 seconds ago Exited (1) 4 seconds ago reverent_merkle
d477a3db221f python "python3" 2 minutes ago Exited (0) 2 minutes ago peaceful_solomon
8187e3a609c0 ubuntu "bash" 3 minutes ago Exited (0) 3 minutes ago brave_keldysh
[node1] (local) root@192.168.0.28 ~
$ docker run -itd httpd:latest
Unable to find image 'httpd:latest' locally
latest: Pulling from library/httpd
5eb5b503b376: Pull complete
a43a76ccc967: Pull complete
942bd346e7f7: Pull complete
cdb155854ae6: Pull complete
10c4d45228bf: Pull complete
Digest: sha256:5cc947a200524a822883dc6ce6456d852d7c5629ab177dfbf7e38c1b4a647705
Status: Downloaded newer image for httpd:latest
244bdd389d20e1566ba73dcc341ec01e361e48aee5c68027b79f9fcbd0be85bd
[node1] (local) root@192.168.0.28 ~
$
Type here to search
27°C
ENG
14:21
09-02-2022

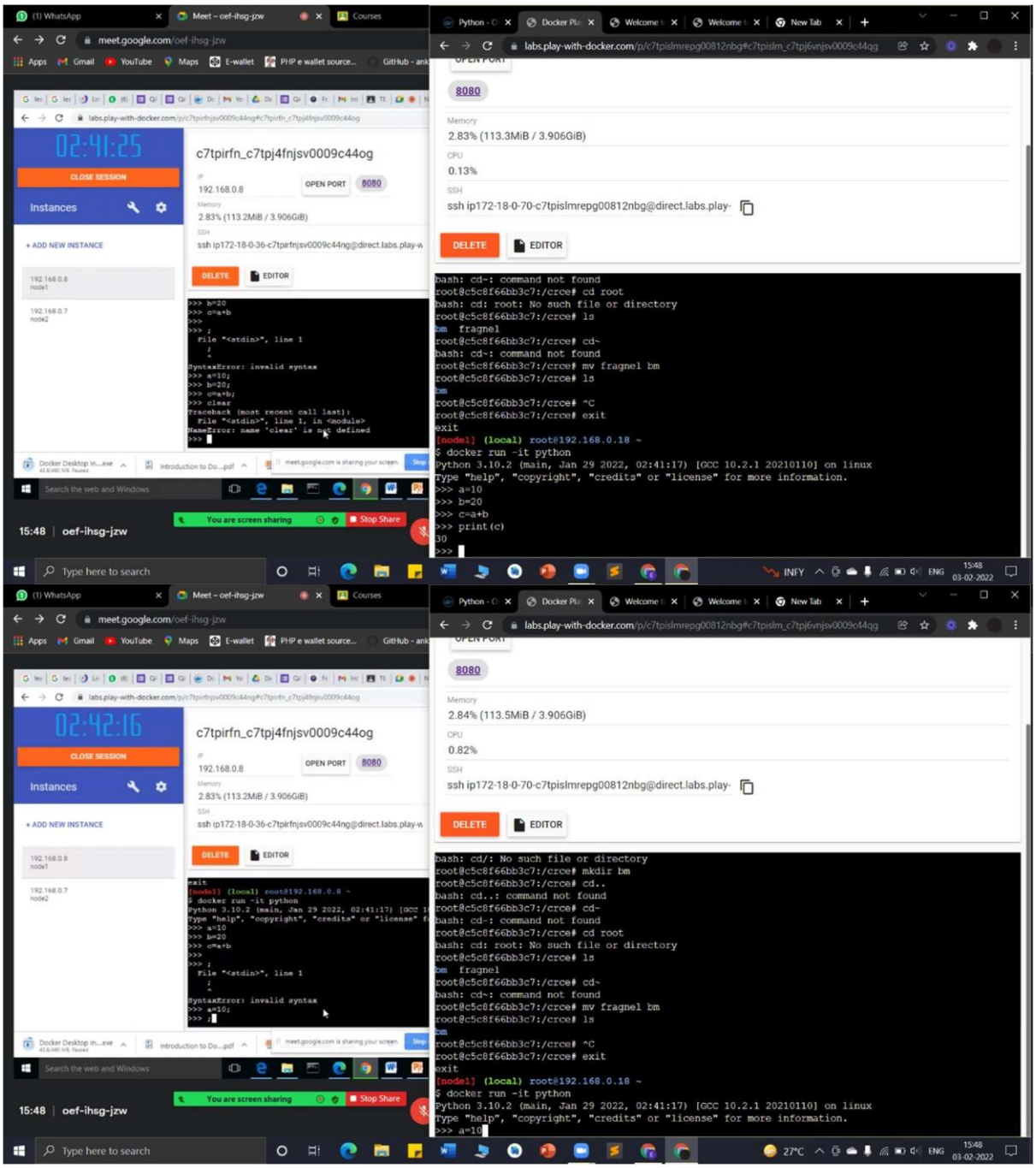

Docker Hub
Docker Playground
labs.play-with-docker.com/p/c81nr1nnjsv0009u1kbg#c81nr1nn_c81nr4tmrepg00eqeoig
03:53:46
CLOSE SESSION
Instances
+ ADD NEW INSTANCE
192.168.0.28
node1
c81nr1nn_c81nr4tmrepg00eqeoig
IP
192.168.0.28
OPEN PORT
Memory
33.82% (1.321GiB / 3.906GiB)
CPU
0.15%
SSH
ssh ip172-18-0-68-c81nr1nnjsv0009u1kbg@direct.labs.play-
DELETE
EDITOR
[node1] (local) root@192.168.0.28 ~
$ docker container ls -a
CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS NAMES
d477a3db221f python "python3" About a minute ago Exited (0) About a minute ago peaceful_solomon
8187e3a609c0 ubuntu "bash" 2 minutes ago Exited (0) 2 minutes ago brave_keldysh
[node1] (local) root@192.168.0.28 ~
$ docker run mysql:latest
2022-02-09 08:44:33+00:00 [Note] [Entrypoint]: Entrypoint script for MySQL Server 8.0.28-1debian10 started.
2022-02-09 08:44:33+00:00 [Note] [Entrypoint]: Switching to dedicated user 'mysql'
2022-02-09 08:44:33+00:00 [Note] [Entrypoint]: Entrypoint script for MySQL Server 8.0.28-1debian10 started.
2022-02-09 08:44:33+00:00 [ERROR] [Entrypoint]: Database is uninitialized and password option is not specified
You need to specify one of the following:
- MYSQL_ROOT_PASSWORD
- MYSQL_ALLOW_EMPTY_PASSWORD
- MYSQL_RANDOM_ROOT_PASSWORD
[node1] (local) root@192.168.0.28 ~
$ docker container ls -a
CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS NAMES
d4f4bf924303 mysql:latest "docker-entrypoint.s…" 6 seconds ago Exited (1) 4 seconds ago reverent_merkle
d477a3db221f python "python3" 2 minutes ago Exited (0) 2 minutes ago peaceful_solomon
8187e3a609c0 ubuntu "bash" 3 minutes ago Exited (0) 3 minutes ago brave_keldysh
[node1] (local) root@192.168.0.28 ~
Type here to search
27°C
ENG
14:14
09-02-2022
Meet – oef-ihsg-jzw
WhatsApp
meet.google.com/oef-ihsg-jzw
Apps
Gmail
YouTube
Maps
E-wallet
PHP e wallet source...
GitHub - ankitverm...
Ankita Amburle
8951 Greatson Lobo
8948 Ian Joseph K
8943 Amisha Gonsalves
8942 Gini Chacko
8944 Abhi Gupta
8935 Alisha Fernandes
8945 Akshata Jadhav
8941 Anna George
8938 Rincy Fernandes
Ankita Amburle
elle ferndz
14:10 | oef-ihsg-jzw
Docker Hub
Docker Playground
labs.play-with-docker.com/p/c81nr1nnjsv0009u1kbg#c81nr1nn_c81n...
OPEN PORT
Memory
18.13% (725.2MiB / 3.906GiB)
CPU
192.95%
SSH
ssh ip172-18-0-68-c81nr1nnjsv0009u1kbg@direct.labs.play-
DELETE
EDITOR
$ ls
[node1] (local) root@192.168.0.28 ~
$ docker pull ubuntu
Using default tag: latest
latest: Pulling from library/ubuntu
08c01a0ec47e: Pull complete
Digest: sha256:669e010b58baf5beb2836b253c1fd5768333f0d1dbcb834f7c07a4dc93f474be
Status: Downloaded newer image for ubuntu:latest
docker.io/library/ubuntu:latest
[node1] (local) root@192.168.0.28 ~
$ docker pull python
Using default tag: latest
latest: Pulling from library/python
0c6b8ff8c37e: Pull complete
412caad352a3: Pull complete
e6d3e61f7a50: Pull complete
461bb1d8c517: Extracting 50.14MB/54.57MB
808edda3c2e8: Download complete
724cfd2dc19b: Download complete
1bb6570cd7ac: Download complete
aca06d6d45b1: Download complete
678714351737: Download complete
Type here to search
27°C
ENG
14:10
09-02-2022

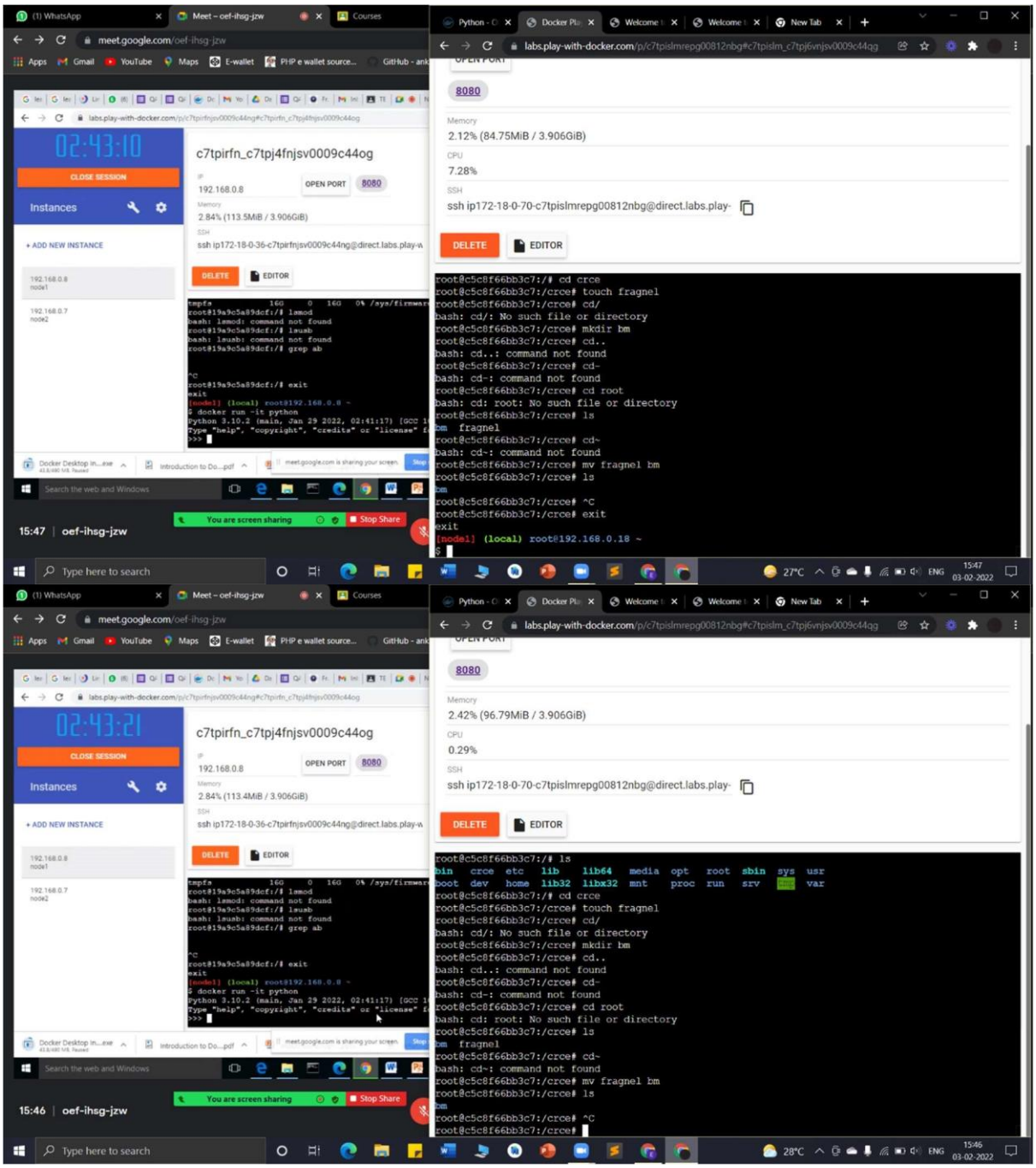

Docker Hub
Docker Playground
labs.play-with-docker.com/p/c81nr1nnjsv0009u1kbg#c81nr1nn_c81nr4tmrepg00eqeoig
03:59:43
CLOSE SESSION
Instances
+ ADD NEW INSTANCE
192.168.0.28
node1
c81nr1nn_c81nr4tmrepg00eqeoig
IP
192.168.0.28
OPEN PORT
Memory
CPU
SSH
ssh ip172-18-0-68-c81nr1nnjsv0009u1kbg@direct.labs.play
DELETE
EDITOR
$ ##
# WARNING!!!! #
# This is a sandbox environment. Using personal credentials #
# is HIGHLY! discouraged. Any consequences of doing so are #
# completely the user's responsibilites. #
# #
# The PWD team. #
##
[node1] (local) root@192.168.0.28 ~
$

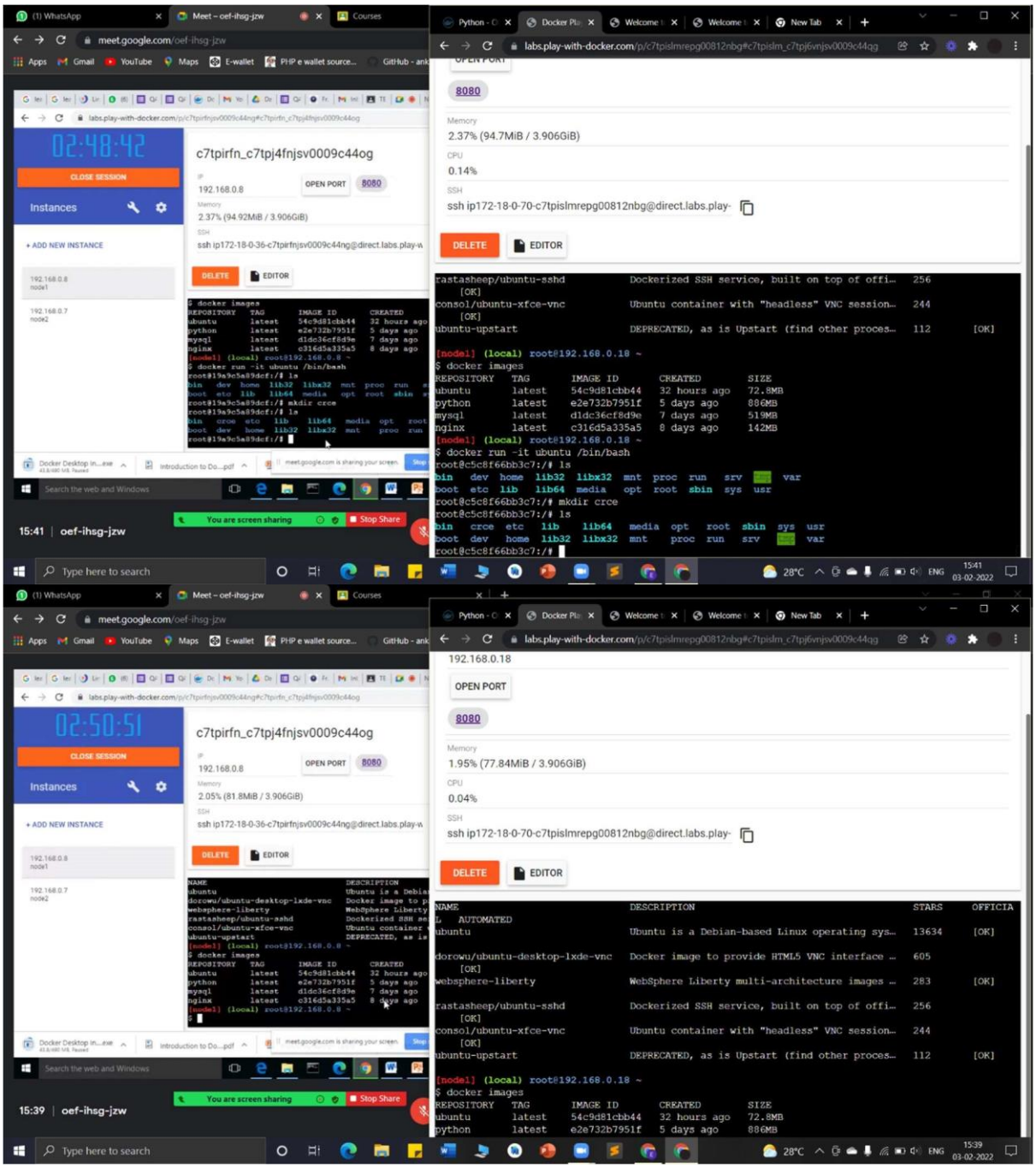

Type here to search
27°C
ENG
14:08
09-02-2022
CSS(A/B) CSS BATCH A AND B
Meet – ruv-tmvu-urs
meet.google.com/ruv-tmvu-urs
Unik B. Lokhande CRCE is presenting
8946 Mitesh Jaim...
8937 Lizel Fernan...
8935 Alisha Ferna...
8939 Royden Fern...
Unik B. Lokhande ...
8941 Anna George
8944 Abhi Gupta
8938 Rincy Ferna...
8950 Liny Mathew
8952 Ishaan Loom...
6 others
You
14:08 | ruv-tmvu-urs

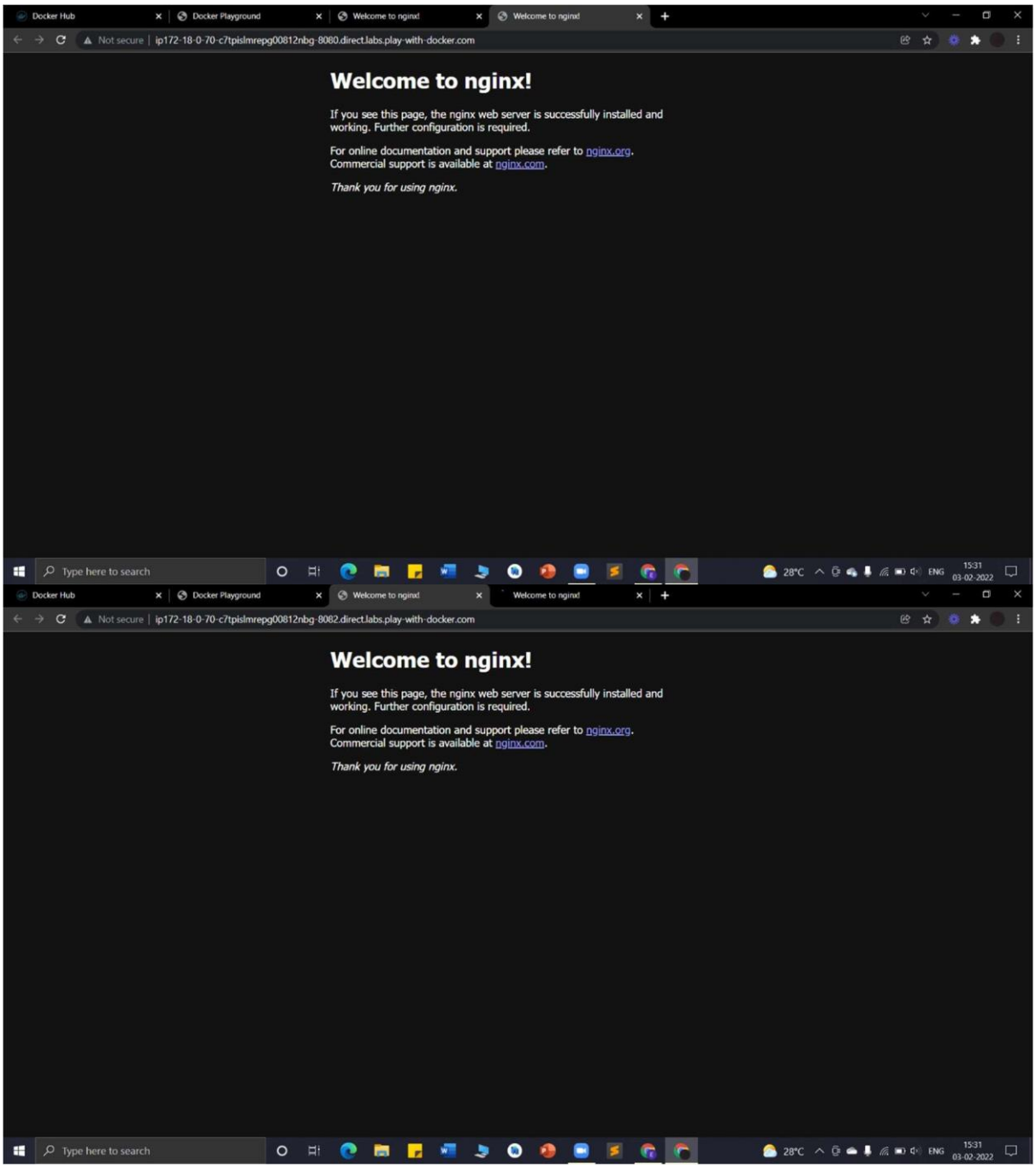

CSS(A/B) CSS BATCH A AND B
Meet – ruv-tmvu-urs
meet.google.com/ruv-tmvu-urs
Unik B. Lokhande CRCE is presenting
8946 Mitesh Jaim...
8937 Lizel Fernan...
8935 Alisha Ferna...
8939 Royden Fern...
8952 Ishaan Loom...
Unik B. Lokhande ...
8941 Anna George
8944 Abhi Gupta
8950 Liny Mathew
8938 Rincy Ferna...
6 others
You
14:07 | ruv-tmvu-urs
Type here to search
27°C
ENG
14:07
08-02-2022
CSS(A/B) CSS BATCH A AND B
Meet – ruv-tmvu-urs
meet.google.com/ruv-tmvu-urs
Unik B. Lokhande CRCE is presenting
8946 Mitesh Jaim...
8937 Lizel Fernan...
8935 Alisha Ferna...
8939 Royden Fern...
8952 Ishaan Loom...
Unik B. Lokhande ...
8941 Anna George
8944 Abhi Gupta
8950 Liny Mathew
8938 Rincy Ferna...
6 others
You
14:06 | ruv-tmvu-urs
Type here to search
27°C
ENG
14:06
08-02-2022

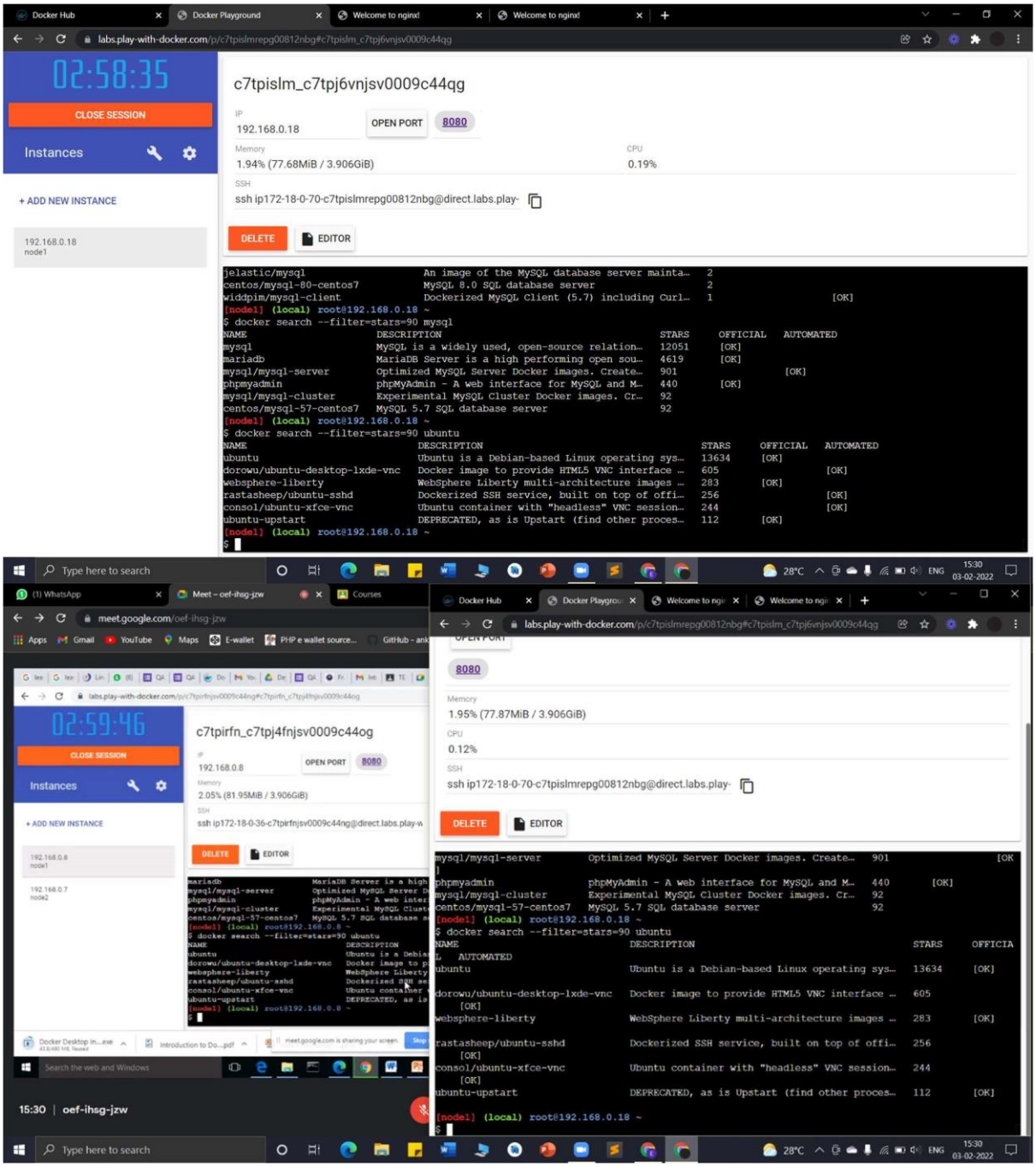

meet.google.com/oef-ihsg-jzw
8946 Mitesh Jaiman is presenting
labs.play-with-docker.com/p/c7tpislmrepg00812nbg#c7tpislm_c7tpj6vnjsv0009c44qg
c7tpislm_c7tpj6vnjsv0009c44qg
IP
192.168.0.18
OPEN PORT
8080
Memory
2.70% (108MiB / 3.906GiB)
CPU
0.24%
SSH
ssh ip172-18-0-70-c7tpislmrepg00812nbg@direct.labs.play-
DELETE
EDITOR
>>> a=10
>>> b=20
>>> c=a+b
>>> print(c)
30
>>> print(c*3+10)
100
>>> echo "hello"
File "<stdin>", line 1
echo "hello"
SyntaxError: invalid syntax
>>> echo"hello"
File "<stdin>", line 1
c7tpirfn_c7tpj4fnjsv0009c44og
192.168.0.8
OPEN PORT
8080
2.83% (113.4MiB / 3.906GiB)
ssh ip172-18-0-36-c7tpirfnjsv0009c44ng@direct.labs.play-w
DELETE
EDITOR
SyntaxError: invalid syntax
>>> echo hello
File "<stdin>", line 1
echo hello
SyntaxError: invalid syntax
>>> exit
Use exit() or Ctrl-D (i.e. EOF) to exit
>>>
[node1] (local) root@192.168.0.8 ~
$ docker run -it python
Python 3.10.2 (main, Jan 29 2022, 02:41:17) [GCC 10.2.1 2
Type "help", "copyright", "credits" or "license" for more
>>> a=10
>>> b=0
>>> c=a+b
02:37:03
CLOSE SESSION
Instances
+ ADD NEW INSTANCE
192.168.0.8
node1
192.168.0.7
node2
You are screen sharing
Stop Share
15:53 | oef-ihsg-jzw
Type here to search
27°C
ENG
15:53
03-02-2022
meet.google.com/oef-ihsg-jzw
labs.play-with-docker.com/p/c7tpislmrepg00812nbg#c7tpislm_c7tpj6vnjsv0009c44qg
8080
Memory
2.70% (108MiB / 3.906GiB)
CPU
0.15%
SSH
ssh ip172-18-0-70-c7tpislmrepg00812nbg@direct.labs.play-
DELETE
EDITOR
bash: cd: root: No such file or directory
root@c5c8f66bb3c7:/crce# ls
bm fragnel
root@c5c8f66bb3c7:/crce# cd~
bash: cd~: command not found
root@c5c8f66bb3c7:/crce# mv fragnel bm
root@c5c8f66bb3c7:/crce# ls
bm
root@c5c8f66bb3c7:/crce# ^C
root@c5c8f66bb3c7:/crce# exit
exit
[node1] (local) root@192.168.0.18 ~
$ docker run -it python
Python 3.10.2 (main, Jan 29 2022, 02:41:17) [GCC 10.2.1 20210110] on linux
Type "help", "copyright", "credits" or "license" for more information.
>>> a=10
>>> b=20
>>> c=a+b
>>> print(c)
30
>>> print(c*3+10)
100
>>>
c7tpirfn_c7tpj4fnjsv0009c44og
192.168.0.8
OPEN PORT
8080
2.82% (112.9MiB / 3.906GiB)
ssh ip172-18-0-36-c7tpirfnjsv0009c44ng@direct.labs.play-w
DELETE
EDITOR
>>> ;
File "<stdin>", line 1
;
SyntaxError: invalid syntax
>>> a=10;
>>> b=20;
>>> c=a+b;
>>> clear
Traceback (most recent call last):
File "<stdin>", line 1, in <module>
NameError: name 'clear' is not defined
>>> a=10
>>> b=5
>>> c=a+b
>>>
02:39:45
CLOSE SESSION
Instances
+ ADD NEW INSTANCE
192.168.0.8
node1
192.168.0.7
node2
You are screen sharing
Stop Share
15:50 | oef-ihsg-jzw
Type here to search
WIP...
ENG
15:50
03-02-2022

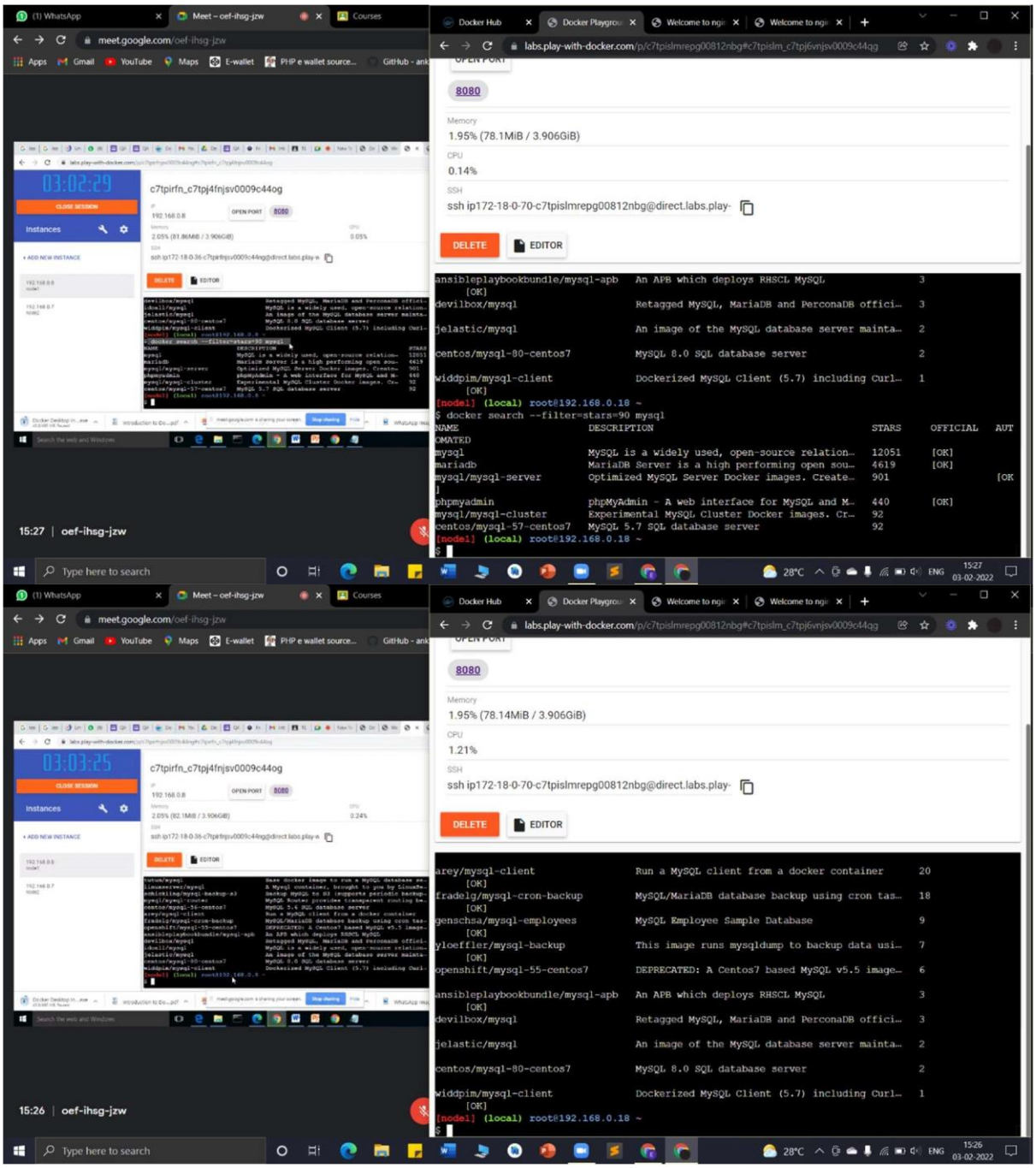

meet.google.com/oef-ihsg-jzw
labs.play-with-docker.com/p/c7tpislmrepg00812nbg#c7tpislm_c7tpj6vnjsv0009c44qg
02:41:25
CLOSE SESSION
Instances
+ ADD NEW INSTANCE
c7tpirfn_c7tpj4fnjsv0009c44og
192.168.0.8
OPEN PORT
8080
Memory
2.83% (113.2MiB / 3.906GiB)
SSH
ssh ip172-18-0-36-c7tpirfnjsv0009c44ng@direct.labs.play-w
DELETE
EDITOR
>>> b=20
>>> c=a+b
>>>
>>> ;
File "<stdin>", line 1
;
^
SyntaxError: invalid syntax
>>> a=10;
>>> b=20;
>>> c=a+b;
>>> clear
Traceback (most recent call last):
File "<stdin>", line 1, in <module>
NameError: name 'clear' is not defined
>>>
8080
Memory
2.83% (113.3MiB / 3.906GiB)
CPU
0.13%
SSH
ssh ip172-18-0-70-c7tpislmrepg00812nbg@direct.labs.play-
DELETE
EDITOR
bash: cd~: command not found
root@c5c8f66bb3c7:/cree# cd root
bash: cd: root: No such file or directory
root@c5c8f66bb3c7:/cree# ls
bm fragnel
root@c5c8f66bb3c7:/cree# cd~
bash: cd~: command not found
root@c5c8f66bb3c7:/cree# mv fragnel bm
root@c5c8f66bb3c7:/cree# ls
bm
root@c5c8f66bb3c7:/cree# ^C
root@c5c8f66bb3c7:/cree# exit
exit
[node1] (local) root@192.168.0.18 ~
$ docker run -it python
Python 3.10.2 (main, Jan 29 2022, 02:41:17) [GCC 10.2.1 20210110] on linux
Type "help", "copyright", "credits" or "license" for more information.
>>> a=10
>>> b=20
>>> c=a+b
>>> print(c)
30
>>>
You are screen sharing
Stop Share
15:48 | oef-ihsg-jzw
Type here to search
02:42:16
exit
[node1] (local) root@192.168.0.8 ~
$ docker run -it python
>>> a=10;
>>> ;
bash: cd/: No such file or directory
root@c5c8f66bb3c7:/cree# mkdir bm
root@c5c8f66bb3c7:/cree# cd..
bash: cd..: command not found
root@c5c8f66bb3c7:/cree# cd-
bash: cd-: command not found
root@c5c8f66bb3c7:/cree# cd root
bash: cd: root: No such file or directory
root@c5c8f66bb3c7:/cree# ls
bm fragnel
root@c5c8f66bb3c7:/cree# cd~
bash: cd~: command not found
root@c5c8f66bb3c7:/cree# mv fragnel bm
root@c5c8f66bb3c7:/cree# ls
bm
root@c5c8f66bb3c7:/cree# ^C
root@c5c8f66bb3c7:/cree# exit
exit
[node1] (local) root@192.168.0.18 ~
$ docker run -it python
Python 3.10.2 (main, Jan 29 2022, 02:41:17) [GCC 10.2.1 20210110] on linux
Type "help", "copyright", "credits" or "license" for more information.
>>> a=10

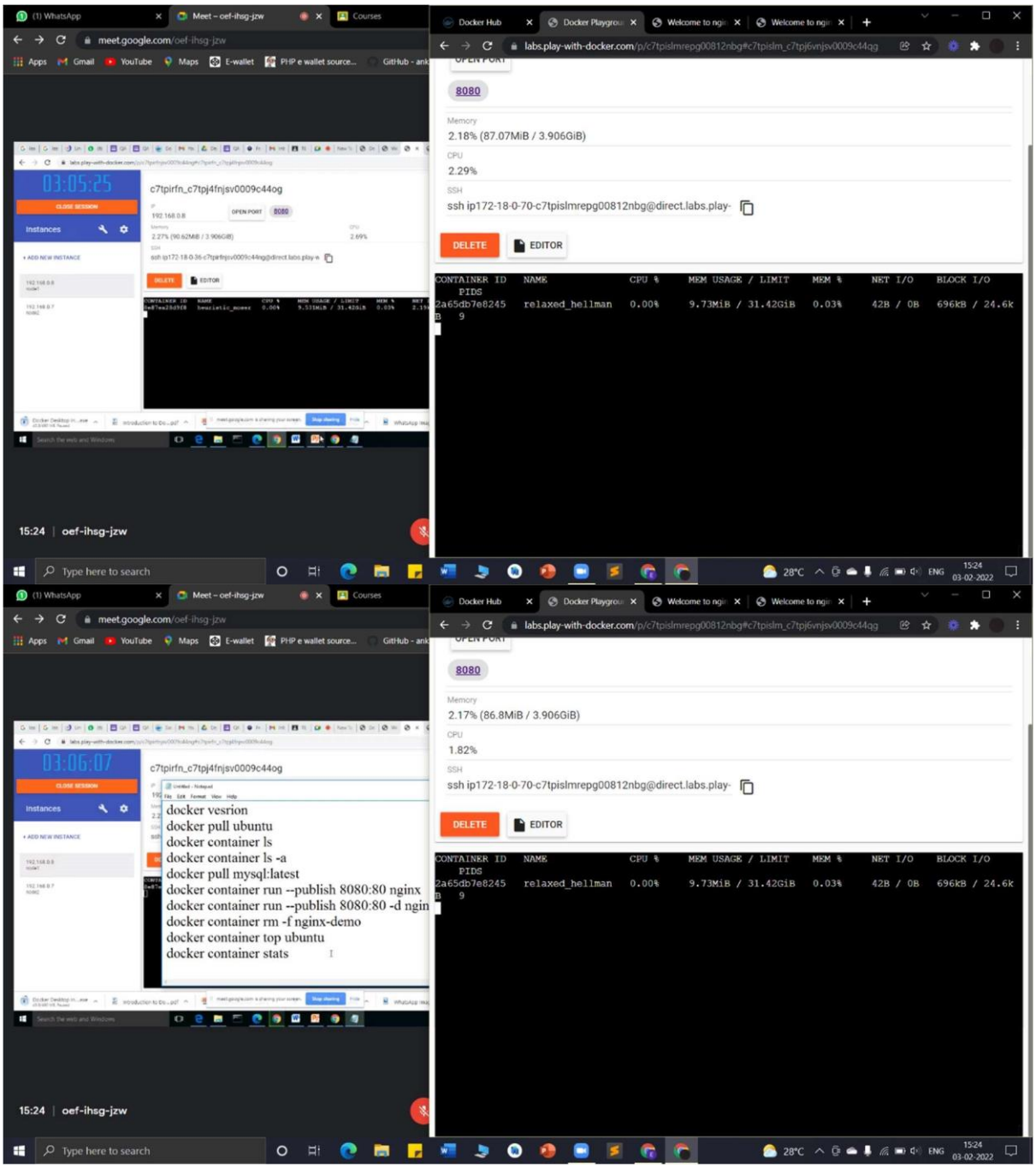

meet.google.com/oef-ihsg-jzw
labs.play-with-docker.com/p/c7tpislmrepg00812nbg#c7tpislm_c7tpj6vnjsv0009c44qg
02:43:10
CLOSE SESSION
Instances
+ ADD NEW INSTANCE
c7tpirfn_c7tpj4fnjsv0009c44og
192.168.0.8
OPEN PORT
8080
Memory
2.84% (113.5MiB / 3.906GiB)
SSH
ssh ip172-18-0-36-c7tpirfnjsv0009c44ng@direct.labs.play-w
DELETE
EDITOR
8080
Memory
2.12% (84.75MiB / 3.906GiB)
CPU
7.28%
SSH
ssh ip172-18-0-70-c7tpislmrepg00812nbg@direct.labs.play-
DELETE
EDITOR
root@c5c8f66bb3c7:/# cd crce
root@c5c8f66bb3c7:/crce# touch fragnel
root@c5c8f66bb3c7:/crce# cd/
bash: cd/: No such file or directory
root@c5c8f66bb3c7:/crce# mkdir bm
root@c5c8f66bb3c7:/crce# cd..
bash: cd..: command not found
root@c5c8f66bb3c7:/crce# cd-
bash: cd-: command not found
root@c5c8f66bb3c7:/crce# cd root
bash: cd: root: No such file or directory
root@c5c8f66bb3c7:/crce# ls
bm fragnel
root@c5c8f66bb3c7:/crce# cd~
bash: cd~: command not found
root@c5c8f66bb3c7:/crce# mv fragnel bm
root@c5c8f66bb3c7:/crce# ls
bm
root@c5c8f66bb3c7:/crce# ^C
root@c5c8f66bb3c7:/crce# exit
exit
[node1] (local) root@192.168.0.18 ~
$
15:47 | oef-ihsg-jzw
You are screen sharing
Stop Share
Type here to search
27°C
ENG
15:47
03-02-2022
02:43:21
15:46 | oef-ihsg-jzw
28°C
15:46

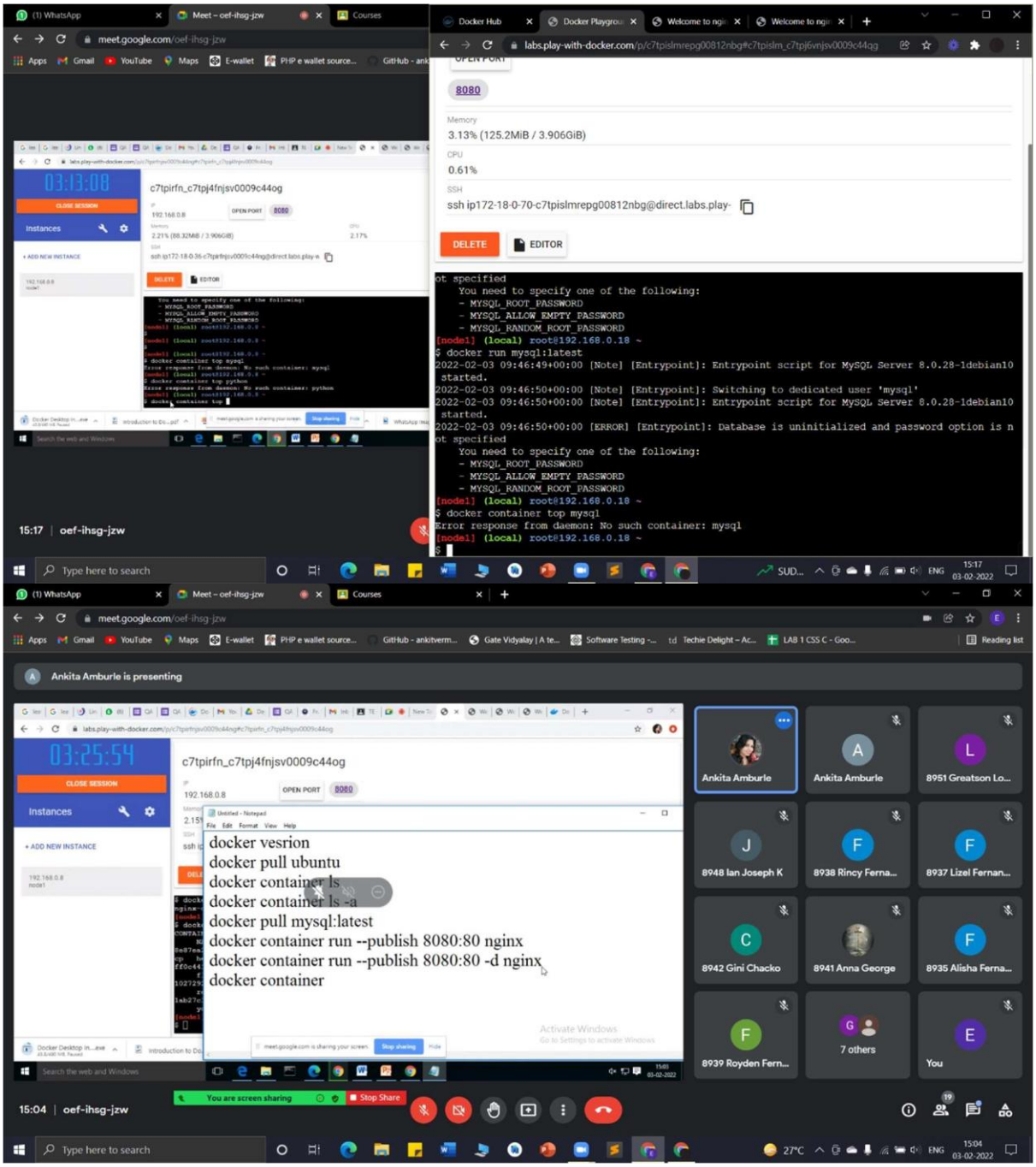

meet.google.com/oef-ihsg-jzw
labs.play-with-docker.com/p/c7tpirfnjsv0009c44ng
02:48:42
CLOSE SESSION
Instances
+ ADD NEW INSTANCE
c7tpirfn_c7tpj4fnjsv0009c44og
192.168.0.8
OPEN PORT
8080
Memory
2.37% (94.92MiB / 3.906GiB)
SSH
ssh ip172-18-0-36-c7tpirfnjsv0009c44ng@direct.labs.play-w
DELETE
EDITOR
$ docker images
REPOSITORY TAG IMAGE ID CREATED
ubuntu latest 54c9d81cbb44 32 hours ago
python latest e2e732b7951f 5 days ago
mysql latest d1dc36cf8d9e 7 days ago
nginx latest c316d5a335a5 8 days ago
[node1] (local) root@192.168.0.8 ~
$ docker run -it ubuntu /bin/bash
root@19a9c5a89dcf:/# ls
root@19a9c5a89dcf:/# mkdir crce
root@19a9c5a89dcf:/# ls
root@19a9c5a89dcf:/#
You are screen sharing
Stop Share
15:41 | oef-ihsg-jzw
8080
Memory
2.37% (94.7MiB / 3.906GiB)
CPU
0.14%
SSH
ssh ip172-18-0-70-c7tpislmrepg00812nbg@direct.labs.play-
DELETE
EDITOR
rastasheep/ubuntu-sshd Dockerized SSH service, built on top of offi… 256
[OK]
consol/ubuntu-xfce-vnc Ubuntu container with "headless" VNC session… 244
[OK]
ubuntu-upstart DEPRECATED, as is Upstart (find other proces… 112 [OK]
[node1] (local) root@192.168.0.18 ~
$ docker images
REPOSITORY TAG IMAGE ID CREATED SIZE
ubuntu latest 54c9d81cbb44 32 hours ago 72.8MB
python latest e2e732b7951f 5 days ago 886MB
mysql latest d1dc36cf8d9e 7 days ago 519MB
nginx latest c316d5a335a5 8 days ago 142MB
[node1] (local) root@192.168.0.18 ~
$ docker run -it ubuntu /bin/bash
root@c5c8f66bb3c7:/# ls
bin dev home lib32 libx32 mnt proc run srv tmp var
boot etc lib lib64 media opt root sbin sys usr
root@c5c8f66bb3c7:/# mkdir crce
root@c5c8f66bb3c7:/# ls
bin crce etc lib lib64 media opt root sbin sys usr
boot dev home lib32 libx32 mnt proc run srv tmp var
root@c5c8f66bb3c7:/#
Type here to search
28°C
ENG
15:41
03-02-2022
meet.google.com/oef-ihsg-jzw
labs.play-with-docker.com/p/c7tpirfnjsv0009c44ng
02:50:51
CLOSE SESSION
Instances
+ ADD NEW INSTANCE
c7tpirfn_c7tpj4fnjsv0009c44og
192.168.0.8
OPEN PORT
8080
Memory
2.05% (81.8MiB / 3.906GiB)
SSH
ssh ip172-18-0-36-c7tpirfnjsv0009c44ng@direct.labs.play-w
DELETE
EDITOR
NAME DESCRIPTION
ubuntu Ubuntu is a Debia
dorowu/ubuntu-desktop-lxde-vnc Docker image to p
websphere-liberty WebSphere Liberty
rastasheep/ubuntu-sshd Dockerized SSH se
consol/ubuntu-xfce-vnc Ubuntu container
ubuntu-upstart DEPRECATED, as is
[node1] (local) root@192.168.0.8 ~
$ docker images
REPOSITORY TAG IMAGE ID CREATED
ubuntu latest 54c9d81cbb44 32 hours ago
python latest e2e732b7951f 5 days ago
mysql latest d1dc36cf8d9e 7 days ago
nginx latest c316d5a335a5 8 days ago
[node1] (local) root@192.168.0.8 ~
You are screen sharing
Stop Share
15:39 | oef-ihsg-jzw
192.168.0.18
OPEN PORT
8080
Memory
1.95% (77.84MiB / 3.906GiB)
CPU
0.04%
SSH
ssh ip172-18-0-70-c7tpislmrepg00812nbg@direct.labs.play-
DELETE
EDITOR
NAME DESCRIPTION STARS OFFICIA
L AUTOMATED
ubuntu Ubuntu is a Debian-based Linux operating sys… 13634 [OK]
dorowu/ubuntu-desktop-lxde-vnc Docker image to provide HTML5 VNC interface … 605
[OK]
websphere-liberty WebSphere Liberty multi-architecture images … 283 [OK]
rastasheep/ubuntu-sshd Dockerized SSH service, built on top of offi… 256
[OK]
consol/ubuntu-xfce-vnc Ubuntu container with "headless" VNC session… 244
[OK]
ubuntu-upstart DEPRECATED, as is Upstart (find other proces… 112 [OK]
[node1] (local) root@192.168.0.18 ~
$ docker images
REPOSITORY TAG IMAGE ID CREATED SIZE
ubuntu latest 54c9d81cbb44 32 hours ago 72.8MB
python latest e2e732b7951f 5 days ago 886MB
Type here to search
28°C
ENG
15:39
03-02-2022

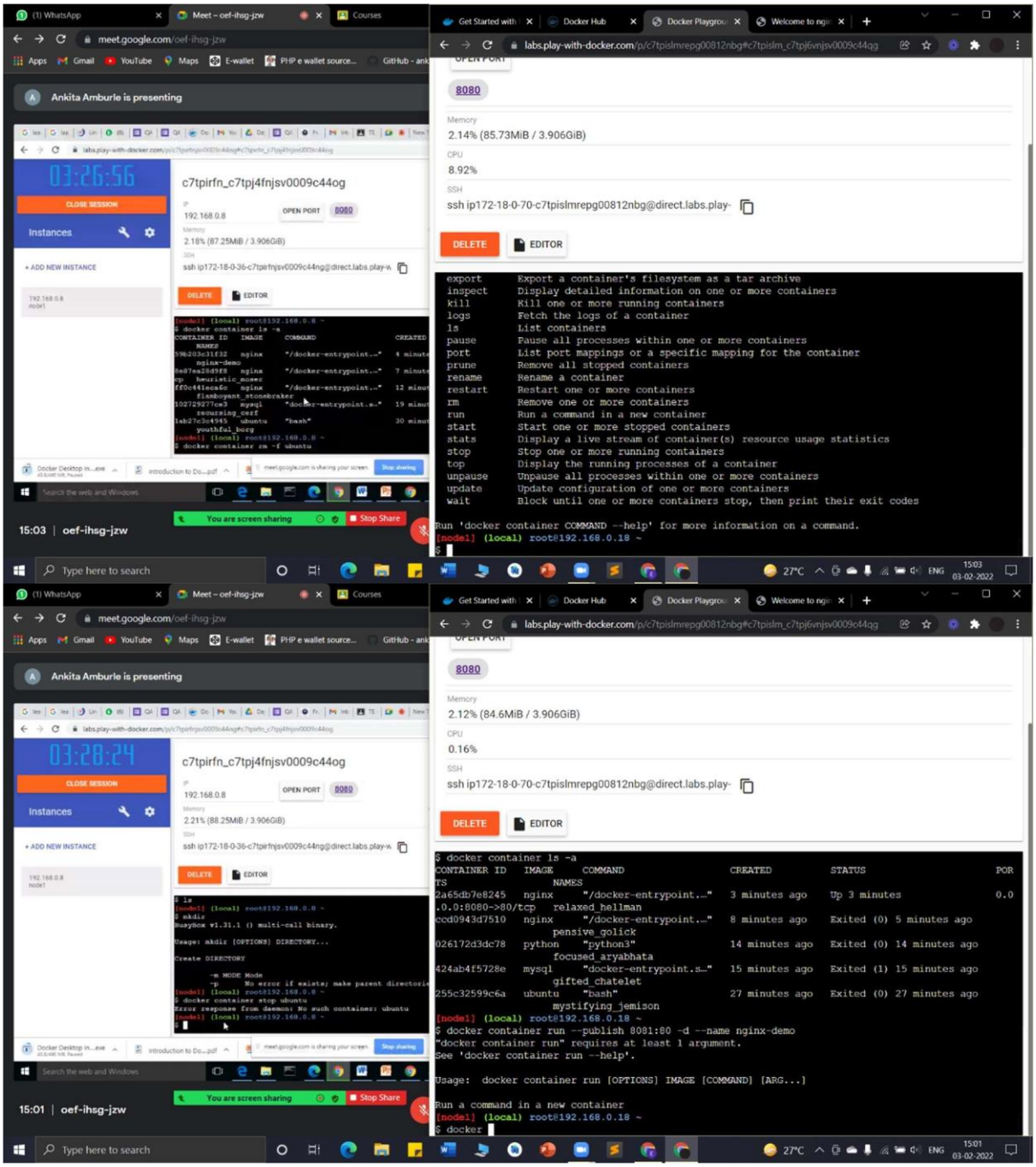

Docker Hub
Docker Playground
Welcome to nginx!
Welcome to nginx!
Not secure | ip172-18-0-70-c7tpislmrepg00812nbg-8080.direct.labs.play-with-docker.com
Welcome to nginx!
If you see this page, the nginx web server is successfully installed and working. Further configuration is required.
For online documentation and support please refer to nginx.org.
Commercial support is available at nginx.com.
Thank you for using nginx.
Type here to search
28°C
ENG
15:31
03-02-2022
Docker Hub
Docker Playground
Welcome to nginx!
Welcome to nginx!
Not secure | ip172-18-0-70-c7tpislmrepg00812nbg-8082.direct.labs.play-with-docker.com
Welcome to nginx!
If you see this page, the nginx web server is successfully installed and working. Further configuration is required.
For online documentation and support please refer to nginx.org.
Commercial support is available at nginx.com.
Thank you for using nginx.
Type here to search
28°C
ENG
15:31
03-02-2022

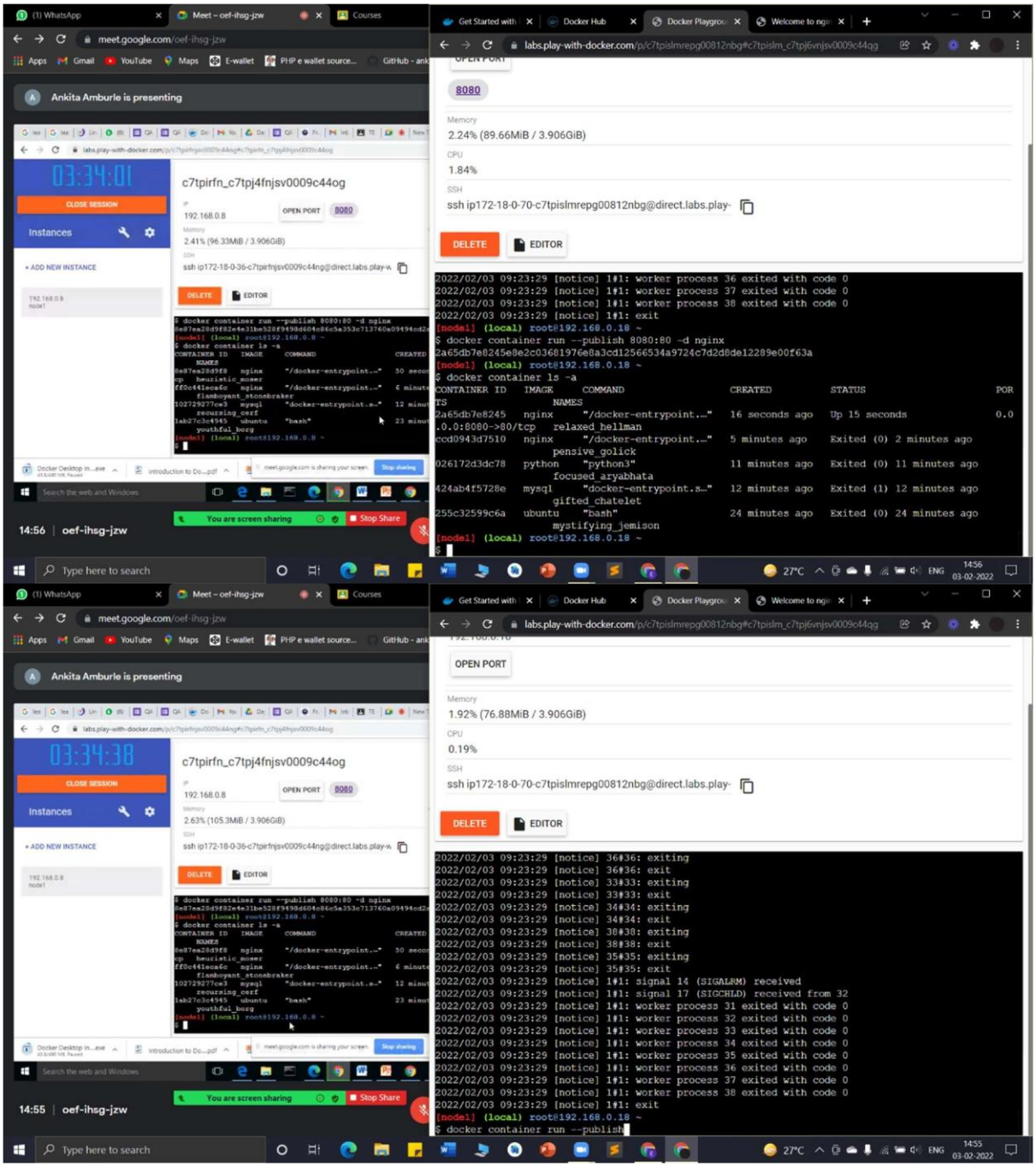

Docker Hub
Docker Playground
Welcome to nginx!
labs.play-with-docker.com/p/c7tpislmrepg00812nbg#c7tpislm_c7tpj6vnjsv0009c44qg
02:58:35
CLOSE SESSION
Instances
+ ADD NEW INSTANCE
192.168.0.18
node1
c7tpislm_c7tpj6vnjsv0009c44qg
IP
192.168.0.18
OPEN PORT
8080
Memory
1.94% (77.68MiB / 3.906GiB)
CPU
0.19%
SSH
ssh ip172-18-0-70-c7tpislmrepg00812nbg@direct.labs.play-
DELETE
EDITOR
jelastic/mysql An image of the MySQL database server mainta… 2
centos/mysql-80-centos7 MySQL 8.0 SQL database server 2
widdpim/mysql-client Dockerized MySQL Client (5.7) including Curl… 1 [OK]
[node1] (local) root@192.168.0.18 ~
$ docker search --filter=stars=90 mysql
NAME DESCRIPTION STARS OFFICIAL AUTOMATED
mysql MySQL is a widely used, open-source relation… 12051 [OK]
mariadb MariaDB Server is a high performing open sou… 4619 [OK]
mysql/mysql-server Optimized MySQL Server Docker images. Create… 901 [OK]
phpmyadmin phpMyAdmin - A web interface for MySQL and M… 440 [OK]
mysql/mysql-cluster Experimental MySQL Cluster Docker images. Cr… 92
centos/mysql-57-centos7 MySQL 5.7 SQL database server 92
[node1] (local) root@192.168.0.18 ~
$ docker search --filter=stars=90 ubuntu
NAME DESCRIPTION STARS OFFICIAL AUTOMATED
ubuntu Ubuntu is a Debian-based Linux operating sys… 13634 [OK]
dorowu/ubuntu-desktop-lxde-vnc Docker image to provide HTML5 VNC interface … 605 [OK]
websphere-liberty WebSphere Liberty multi-architecture images … 283 [OK]
rastasheep/ubuntu-sshd Dockerized SSH service, built on top of offi… 256 [OK]
consol/ubuntu-xfce-vnc Ubuntu container with "headless" VNC session… 244 [OK]
ubuntu-upstart DEPRECATED, as is Upstart (find other proces… 112 [OK]
[node1] (local) root@192.168.0.18 ~
Type here to search
28°C
ENG
15:30
03-02-2022
(1) WhatsApp
Meet – oef-ihsg-jzw
Courses
meet.google.com/oef-ihsg-jzw
Apps
Gmail
YouTube
Maps
E-wallet
PHP e wallet source...
GitHub - ank
02:59:46
c7tpirfn_c7tpj4fnjsv0009c44og
192.168.0.8
node1
192.168.0.7
node2
15:30 | oef-ihsg-jzw
8080
1.95% (77.87MiB / 3.906GiB)
0.12%
ssh ip172-18-0-70-c7tpislmrepg00812nbg@direct.labs.play-
mysql/mysql-server Optimized MySQL Server Docker images. Create… 901 [OK]
phpmyadmin phpMyAdmin - A web interface for MySQL and M… 440 [OK]
mysql/mysql-cluster Experimental MySQL Cluster Docker images. Cr… 92
centos/mysql-57-centos7 MySQL 5.7 SQL database server 92
[node1] (local) root@192.168.0.18 ~
$ docker search --filter=stars=90 ubuntu
ubuntu Ubuntu is a Debian-based Linux operating sys… 13634 [OK]
dorowu/ubuntu-desktop-lxde-vnc Docker image to provide HTML5 VNC interface … 605 [OK]
websphere-liberty WebSphere Liberty multi-architecture images … 283 [OK]
rastasheep/ubuntu-sshd Dockerized SSH service, built on top of offi… 256 [OK]
consol/ubuntu-xfce-vnc Ubuntu container with "headless" VNC session… 244 [OK]
ubuntu-upstart DEPRECATED, as is Upstart (find other proces… 112 [OK]
[node1] (local) root@192.168.0.18 ~

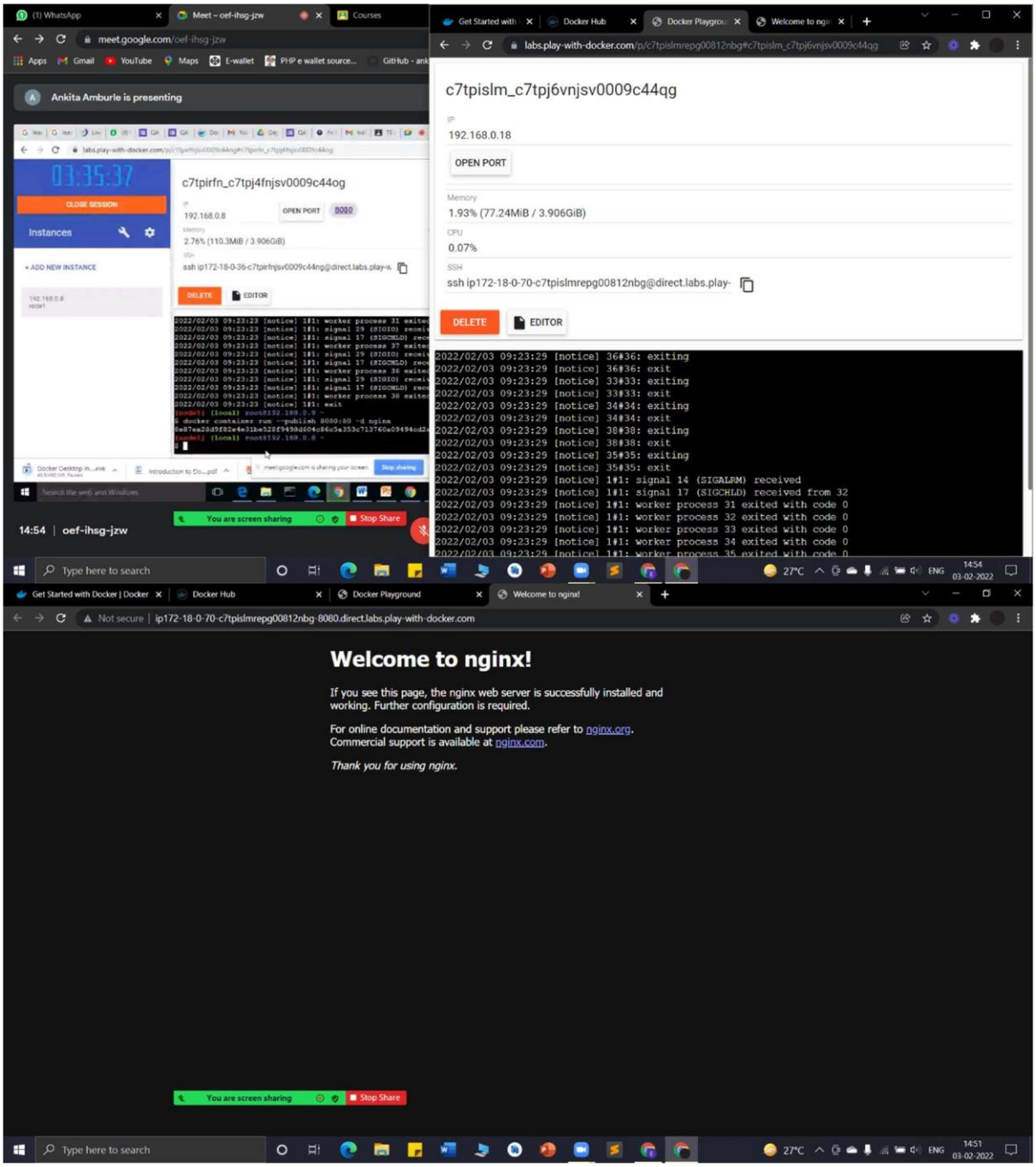

(1) WhatsApp
Meet – oef-ihsg-jzw
Courses
meet.google.com/oef-ihsg-jzw
Apps
Gmail
YouTube
Maps
E-wallet
PHP e wallet source...
GitHub - ank
Docker Hub
Docker Playgrou
Welcome to ngi
labs.play-with-docker.com/p/c7tpislmrepg00812nbg#c7tpislm_c7tpj6vnjsv0009c44qg
8080
Memory
1.95% (78.1MiB / 3.906GiB)
CPU
0.14%
SSH
ssh ip172-18-0-70-c7tpislmrepg00812nbg@direct.labs.play-
DELETE
EDITOR
ansibleplaybookbundle/mysql-apb An APB which deploys RHSCL MySQL 3
[OK]
devilbox/mysql Retagged MySQL, MariaDB and PerconaDB offici… 3
jelastic/mysql An image of the MySQL database server mainta… 2
centos/mysql-80-centos7 MySQL 8.0 SQL database server 2
widdpim/mysql-client Dockerized MySQL Client (5.7) including Curl… 1
[OK]
[node1] (local) root@192.168.0.18 ~
$ docker search --filter=stars=90 mysql
NAME DESCRIPTION STARS OFFICIAL AUT
OMATED
mysql MySQL is a widely used, open-source relation… 12051 [OK]
mariadb MariaDB Server is a high performing open sou… 4619 [OK]
mysql/mysql-server Optimized MySQL Server Docker images. Create… 901 [OK
]
phpmyadmin phpMyAdmin - A web interface for MySQL and M… 440 [OK]
mysql/mysql-cluster Experimental MySQL Cluster Docker images. Cr… 92
centos/mysql-57-centos7 MySQL 5.7 SQL database server 92
[node1] (local) root@192.168.0.18 ~
$
15:27 | oef-ihsg-jzw
Type here to search
28°C
ENG
15:27
03-02-2022
(1) WhatsApp
Meet – oef-ihsg-jzw
Courses
meet.google.com/oef-ihsg-jzw
Docker Hub
Docker Playgrou
Welcome to ngi
labs.play-with-docker.com/p/c7tpislmrepg00812nbg#c7tpislm_c7tpj6vnjsv0009c44qg
8080
Memory
1.95% (78.14MiB / 3.906GiB)
CPU
1.21%
SSH
ssh ip172-18-0-70-c7tpislmrepg00812nbg@direct.labs.play-
DELETE
EDITOR
arey/mysql-client Run a MySQL client from a docker container 20
[OK]
fradelg/mysql-cron-backup MySQL/MariaDB database backup using cron tas… 18
[OK]
genschsa/mysql-employees MySQL Employee Sample Database 9
[OK]
yloeffler/mysql-backup This image runs mysqldump to backup data usi… 7
[OK]
openshift/mysql-55-centos7 DEPRECATED: A Centos7 based MySQL v5.5 image… 6
ansibleplaybookbundle/mysql-apb An APB which deploys RHSCL MySQL 3
[OK]
devilbox/mysql Retagged MySQL, MariaDB and PerconaDB offici… 3
jelastic/mysql An image of the MySQL database server mainta… 2
centos/mysql-80-centos7 MySQL 8.0 SQL database server 2
widdpim/mysql-client Dockerized MySQL Client (5.7) including Curl… 1
[OK]
[node1] (local) root@192.168.0.18 ~
$
15:26 | oef-ihsg-jzw
Type here to search
28°C
ENG
15:26
03-02-2022

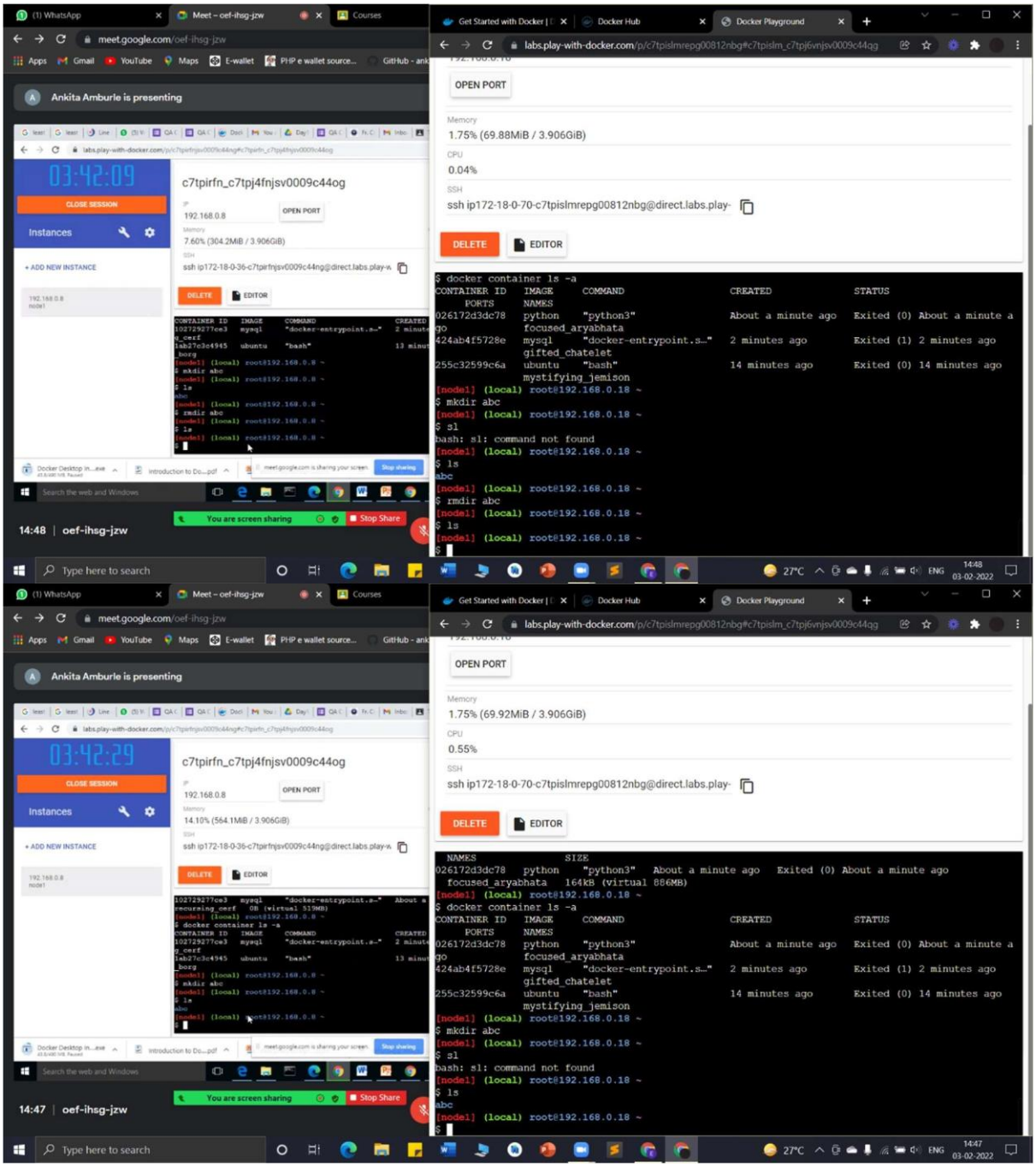

(1) WhatsApp
Meet – oef-ihsg-jzw
Courses
meet.google.com/oef-ihsg-jzw
Apps
Gmail
YouTube
Maps
E-wallet
PHP e wallet source...
GitHub - ank
Docker Hub
Docker Playgrou
Welcome to ngin
labs.play-with-docker.com/p/c7tpislmrepg00812nbg#c7tpislm_c7tpj6vnjsv0009c44qg
8080
Memory
2.18% (87.07MiB / 3.906GiB)
CPU
2.29%
SSH
ssh ip172-18-0-70-c7tpislmrepg00812nbg@direct.labs.play-
DELETE
EDITOR
CONTAINER ID NAME CPU % MEM USAGE / LIMIT MEM % NET I/O BLOCK I/O PIDS
2a65db7e8245 relaxed_hellman 0.00% 9.73MiB / 31.42GiB 0.03% 42B / 0B 696kB / 24.6kB 9
03:05:25
CLOSE SESSION
Instances
ADD NEW INSTANCE
c7tpirfn_c7tpj4fnjsv0009c44og
OPEN PORT
8080
DELETE
EDITOR
15:24 | oef-ihsg-jzw
Type here to search
28°C
ENG
15:24
03-02-2022
(1) WhatsApp
Meet – oef-ihsg-jzw
Courses
meet.google.com/oef-ihsg-jzw
Docker Hub
Docker Playgrou
Welcome to ngin
labs.play-with-docker.com/p/c7tpislmrepg00812nbg#c7tpislm_c7tpj6vnjsv0009c44qg
8080
Memory
2.17% (86.8MiB / 3.906GiB)
CPU
1.82%
SSH
ssh ip172-18-0-70-c7tpislmrepg00812nbg@direct.labs.play-
DELETE
EDITOR
CONTAINER ID NAME CPU % MEM USAGE / LIMIT MEM % NET I/O BLOCK I/O PIDS
2a65db7e8245 relaxed_hellman 0.00% 9.73MiB / 31.42GiB 0.03% 42B / 0B 696kB / 24.6kB 9
03:06:07
CLOSE SESSION
Instances
ADD NEW INSTANCE
c7tpirfn_c7tpj4fnjsv0009c44og
docker vesrion
docker pull ubuntu
docker container ls
docker container ls -a
docker pull mysql:latest
docker container run --publish 8080:80 nginx
docker container run --publish 8080:80 -d ngin
docker container rm -f nginx-demo
docker container top ubuntu
docker container stats
15:24 | oef-ihsg-jzw
Type here to search
28°C
ENG
15:24
03-02-2022

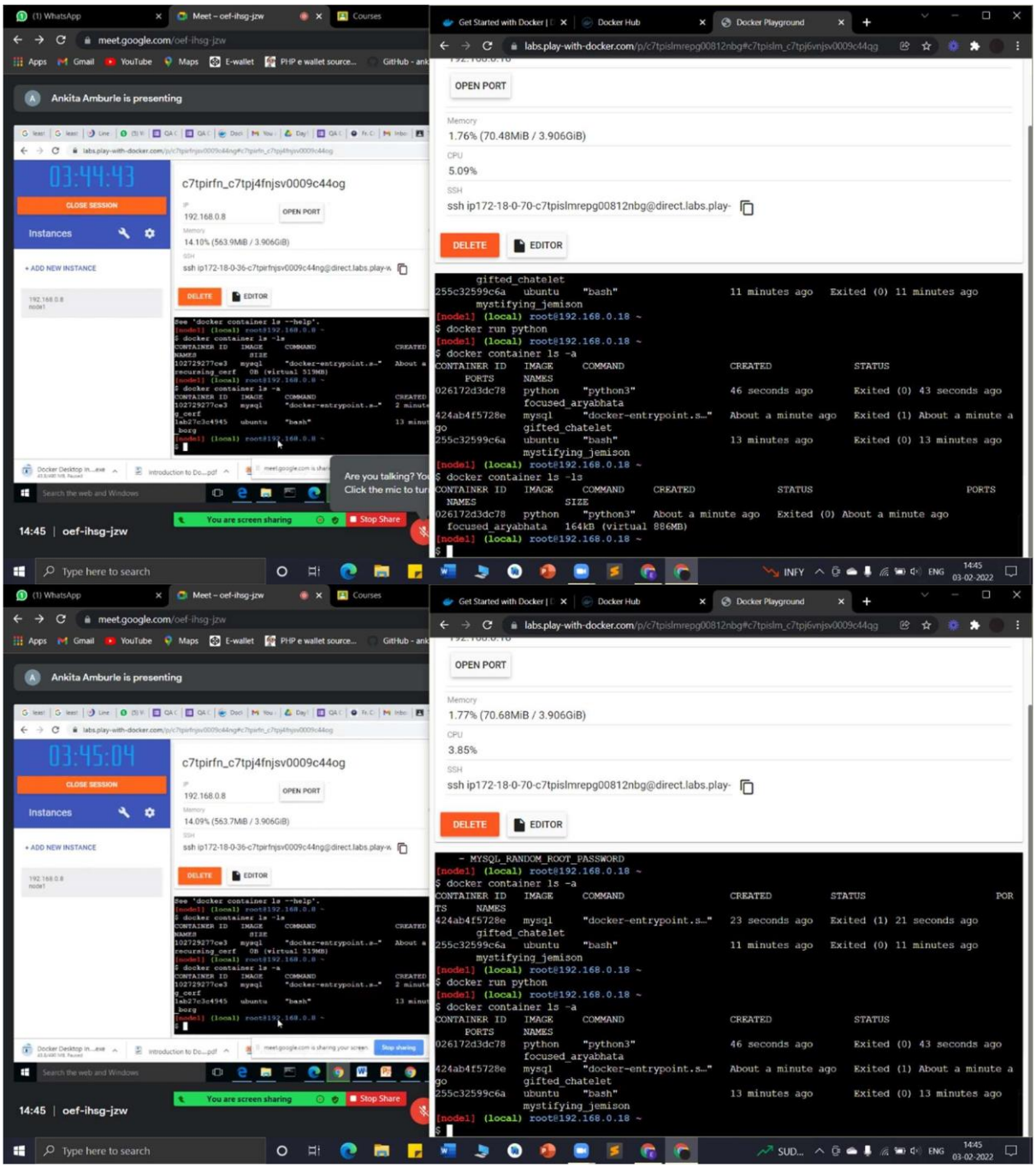

(1) WhatsApp
Meet – oef-ihsg-jzw
Courses
meet.google.com/oef-ihsg-jzw
Docker Hub
Docker Playgrou
Welcome to ngi
labs.play-with-docker.com/p/c7tpislmrepg00812nbg#c7tpislm_c7tpj6vnjsv0009c44qg
8080
Memory
3.13% (125.2MiB / 3.906GiB)
CPU
0.61%
SSH
ssh ip172-18-0-70-c7tpislmrepg00812nbg@direct.labs.play-
DELETE
EDITOR
ot specified
You need to specify one of the following:
- MYSQL_ROOT_PASSWORD
- MYSQL_ALLOW_EMPTY_PASSWORD
- MYSQL_RANDOM_ROOT_PASSWORD
[node1] (local) root@192.168.0.18 ~
$ docker run mysql:latest
2022-02-03 09:46:49+00:00 [Note] [Entrypoint]: Entrypoint script for MySQL Server 8.0.28-1debian10 started.
2022-02-03 09:46:50+00:00 [Note] [Entrypoint]: Switching to dedicated user 'mysql'
2022-02-03 09:46:50+00:00 [Note] [Entrypoint]: Entrypoint script for MySQL Server 8.0.28-1debian10 started.
2022-02-03 09:46:50+00:00 [ERROR] [Entrypoint]: Database is uninitialized and password option is n
ot specified
You need to specify one of the following:
- MYSQL_ROOT_PASSWORD
- MYSQL_ALLOW_EMPTY_PASSWORD
- MYSQL_RANDOM_ROOT_PASSWORD
[node1] (local) root@192.168.0.18 ~
$ docker container top mysql
Error response from daemon: No such container: mysql
[node1] (local) root@192.168.0.18 ~
15:17 | oef-ihsg-jzw
Type here to search
15:17
03-02-2022
Ankita Amburle is presenting
c7tpirfn_c7tpj4fnjsv0009c44og
docker vesrion
docker pull ubuntu
docker container ls
docker container ls -a
docker pull mysql:latest
docker container run --publish 8080:80 nginx
docker container run --publish 8080:80 -d nginx
docker container
Ankita Amburle
8951 Greatson Lo...
8948 Ian Joseph K
8938 Rincy Ferna...
8937 Lizel Fernan...
8942 Gini Chacko
8941 Anna George
8935 Alisha Ferna...
8939 Royden Fern...
7 others
You
You are screen sharing
Stop Share
15:04 | oef-ihsg-jzw
Type here to search
27°C
15:04
03-02-2022

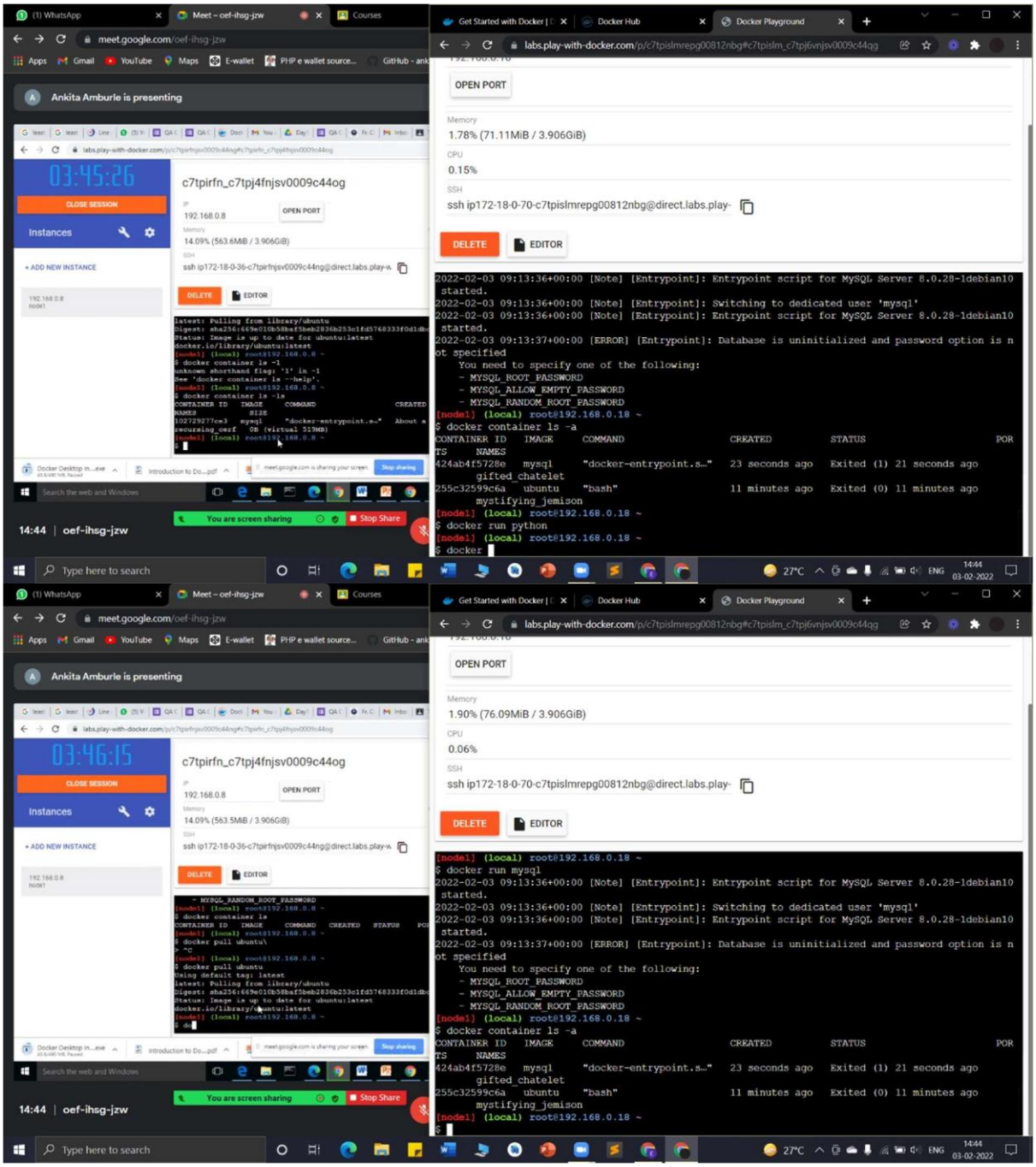

Ankita Amburle is presenting
c7tpirfn_c7tpj4fnjsv0009c44og
8080
Memory
2.14% (85.73MiB / 3.906GiB)
CPU
8.92%
SSH
DELETE
EDITOR
export Export a container's filesystem as a tar archive
inspect Display detailed information on one or more containers
kill Kill one or more running containers
logs Fetch the logs of a container
ls List containers
pause Pause all processes within one or more containers
port List port mappings or a specific mapping for the container
prune Remove all stopped containers
rename Rename a container
restart Restart one or more containers
rm Remove one or more containers
run Run a command in a new container
start Start one or more stopped containers
stats Display a live stream of container(s) resource usage statistics
stop Stop one or more running containers
top Display the running processes of a container
unpause Unpause all processes within one or more containers
update Update configuration of one or more containers
wait Block until one or more containers stop, then print their exit codes
Run 'docker container COMMAND --help' for more information on a command.
[node1] (local) root@192.168.0.18 ~
$
You are screen sharing
Stop Share
15:03 | oef-ihsg-jzw
Type here to search
27°C
ENG
15:03
03-02-2022
Ankita Amburle is presenting
c7tpirfn_c7tpj4fnjsv0009c44og
8080
Memory
2.12% (84.6MiB / 3.906GiB)
CPU
0.16%
SSH
DELETE
EDITOR
$ docker container ls -a
CONTAINER ID IMAGE COMMAND CREATED STATUS POR
TS NAMES
2a65db7e8245 nginx "/docker-entrypoint.…" 3 minutes ago Up 3 minutes 0.0
.0.0:8080->80/tcp relaxed_hellman
ccd0943d7510 nginx "/docker-entrypoint.…" 8 minutes ago Exited (0) 5 minutes ago
pensive_golick
026172d3dc78 python "python3" 14 minutes ago Exited (0) 14 minutes ago
focused_aryabhata
424ab4f5728e mysql "docker-entrypoint.s…" 15 minutes ago Exited (1) 15 minutes ago
gifted_chatelet
255c32599c6a ubuntu "bash" 27 minutes ago Exited (0) 27 minutes ago
mystifying_jemison
[node1] (local) root@192.168.0.18 ~
$ docker container run --publish 8081:80 -d --name nginx-demo
"docker container run" requires at least 1 argument.
See 'docker container run --help'.
Usage: docker container run [OPTIONS] IMAGE [COMMAND] [ARG...]
Run a command in a new container
[node1] (local) root@192.168.0.18 ~
$ docker
You are screen sharing
Stop Share
15:01 | oef-ihsg-jzw
Type here to search
27°C
ENG
15:01
03-02-2022


Ankita Amburle is presenting
c7tpirfn_c7tpj4fnjsv0009c44og
8080
2.24% (89.66MiB / 3.906GiB)
1.84%
DELETE
EDITOR
2022/02/03 09:23:29 [notice] 1#1: worker process 36 exited with code 0
2022/02/03 09:23:29 [notice] 1#1: worker process 37 exited with code 0
2022/02/03 09:23:29 [notice] 1#1: worker process 38 exited with code 0
2022/02/03 09:23:29 [notice] 1#1: exit
[node1] (local) root@192.168.0.18 ~
$ docker container run --publish 8080:80 -d nginx
2a65db7e8245e8e2c03681976e8a3cd12566534a9724c7d2d8de12289e00f63a
[node1] (local) root@192.168.0.18 ~
$ docker container ls -a
2a65db7e8245 nginx "/docker-entrypoint.…" 16 seconds ago Up 15 seconds 0.0.0.0:8080->80/tcp relaxed_hellman
ccd0943d7510 nginx "/docker-entrypoint.…" 5 minutes ago Exited (0) 2 minutes ago pensive_golick
026172d3dc78 python "python3" 11 minutes ago Exited (0) 11 minutes ago focused_aryabhata
424ab4f5728e mysql "docker-entrypoint.s…" 12 minutes ago Exited (1) 12 minutes ago gifted_chatelet
255c32599c6a ubuntu "bash" 24 minutes ago Exited (0) 24 minutes ago mystifying_jemison
[node1] (local) root@192.168.0.18 ~
14:56 | oef-ihsg-jzw
You are screen sharing
Stop Share
27°C
ENG
14:56
03-02-2022
Ankita Amburle is presenting
c7tpirfn_c7tpj4fnjsv0009c44og
8080
2.63% (105.3MiB / 3.906GiB)
DELETE
EDITOR
2022/02/03 09:23:29 [notice] 36#36: exiting
2022/02/03 09:23:29 [notice] 36#36: exit
2022/02/03 09:23:29 [notice] 33#33: exiting
2022/02/03 09:23:29 [notice] 33#33: exit
2022/02/03 09:23:29 [notice] 34#34: exiting
2022/02/03 09:23:29 [notice] 34#34: exit
2022/02/03 09:23:29 [notice] 38#38: exiting
2022/02/03 09:23:29 [notice] 38#38: exit
2022/02/03 09:23:29 [notice] 35#35: exiting
2022/02/03 09:23:29 [notice] 35#35: exit
2022/02/03 09:23:29 [notice] 1#1: signal 14 (SIGALRM) received
2022/02/03 09:23:29 [notice] 1#1: signal 17 (SIGCHLD) received from 32
2022/02/03 09:23:29 [notice] 1#1: worker process 31 exited with code 0
2022/02/03 09:23:29 [notice] 1#1: worker process 32 exited with code 0
2022/02/03 09:23:29 [notice] 1#1: worker process 33 exited with code 0
2022/02/03 09:23:29 [notice] 1#1: worker process 34 exited with code 0
2022/02/03 09:23:29 [notice] 1#1: worker process 35 exited with code 0
2022/02/03 09:23:29 [notice] 1#1: worker process 36 exited with code 0
2022/02/03 09:23:29 [notice] 1#1: worker process 37 exited with code 0
2022/02/03 09:23:29 [notice] 1#1: worker process 38 exited with code 0
2022/02/03 09:23:29 [notice] 1#1: exit
[node1] (local) root@192.168.0.18 ~
$ docker container run --publish
14:55 | oef-ihsg-jzw
You are screen sharing
Stop Share
27°C
ENG
14:55
03-02-2022

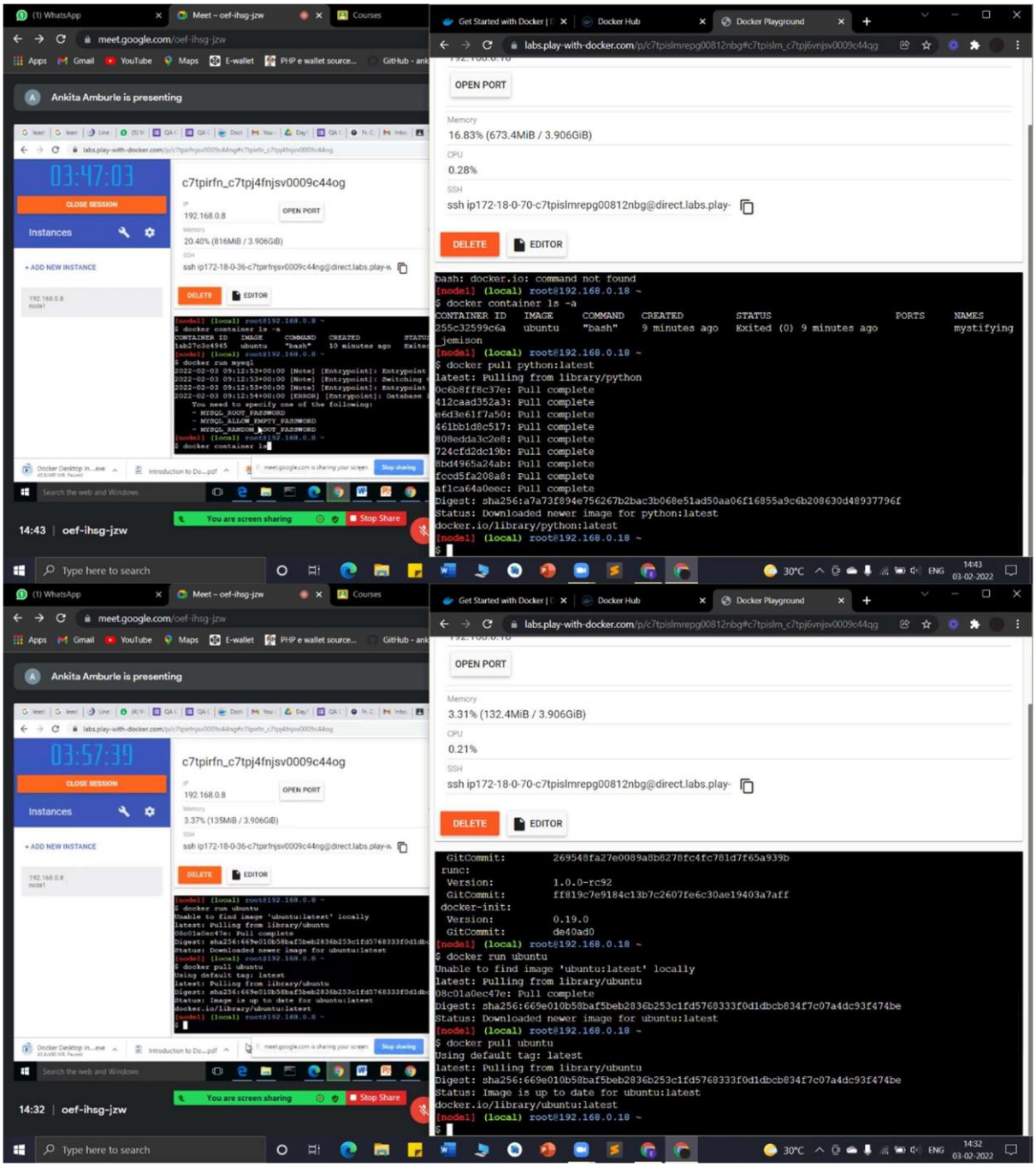

Ankita Amburle is presenting
c7tpislm_c7tpj6vnjsv0009c44qg
192.168.0.18
OPEN PORT
Memory
1.93% (77.24MiB / 3.906GiB)
CPU
0.07%
SSH
ssh ip172-18-0-70-c7tpislmrepg00812nbg@direct.labs.play-
DELETE
EDITOR
2022/02/03 09:23:29 [notice] 36#36: exiting
2022/02/03 09:23:29 [notice] 36#36: exit
2022/02/03 09:23:29 [notice] 33#33: exiting
2022/02/03 09:23:29 [notice] 33#33: exit
2022/02/03 09:23:29 [notice] 34#34: exiting
2022/02/03 09:23:29 [notice] 34#34: exit
2022/02/03 09:23:29 [notice] 38#38: exiting
2022/02/03 09:23:29 [notice] 38#38: exit
2022/02/03 09:23:29 [notice] 35#35: exiting
2022/02/03 09:23:29 [notice] 35#35: exit
2022/02/03 09:23:29 [notice] 1#1: signal 14 (SIGALRM) received
2022/02/03 09:23:29 [notice] 1#1: signal 17 (SIGCHLD) received from 32
2022/02/03 09:23:29 [notice] 1#1: worker process 31 exited with code 0
2022/02/03 09:23:29 [notice] 1#1: worker process 32 exited with code 0
2022/02/03 09:23:29 [notice] 1#1: worker process 33 exited with code 0
2022/02/03 09:23:29 [notice] 1#1: worker process 34 exited with code 0
14:54 | oef-ihsg-jzw
You are screen sharing
Stop Share
Welcome to nginx!
If you see this page, the nginx web server is successfully installed and working. Further configuration is required.
For online documentation and support please refer to nginx.org.
Commercial support is available at nginx.com.
Thank you for using nginx.
You are screen sharing
Stop Share


Ankita Amburle is presenting
c7tpirfn_c7tpj4fnjsv0009c44og
OPEN PORT
DELETE
EDITOR
1.75% (69.88MiB / 3.906GiB)
0.04%
$ docker container ls -a
CONTAINER ID IMAGE COMMAND CREATED STATUS
PORTS NAMES
026172d3dc78 python "python3" About a minute ago Exited (0) About a minute a
go focused_aryabhata
424ab4f5728e mysql "docker-entrypoint.s…" 2 minutes ago Exited (1) 2 minutes ago
gifted_chatelet
255c32599c6a ubuntu "bash" 14 minutes ago Exited (0) 14 minutes ago
mystifying_jemison
[node1] (local) root@192.168.0.18 ~
$ mkdir abc
$ sl
bash: sl: command not found
$ ls
abc
$ rmdir abc
14:48 | oef-ihsg-jzw
You are screen sharing
Stop Share
Type here to search
27°C
ENG
14:48
03-02-2022
Ankita Amburle is presenting
c7tpirfn_c7tpj4fnjsv0009c44og
OPEN PORT
DELETE
EDITOR
1.75% (69.92MiB / 3.906GiB)
0.55%
NAMES SIZE
026172d3dc78 python "python3" About a minute ago Exited (0) About a minute ago
focused_aryabhata 164kB (virtual 886MB)
$ docker container ls -a
CONTAINER ID IMAGE COMMAND CREATED STATUS
PORTS NAMES
026172d3dc78 python "python3" About a minute ago Exited (0) About a minute a
go focused_aryabhata
424ab4f5728e mysql "docker-entrypoint.s…" 2 minutes ago Exited (1) 2 minutes ago
gifted_chatelet
255c32599c6a ubuntu "bash" 14 minutes ago Exited (0) 14 minutes ago
mystifying_jemison
$ sl
bash: sl: command not found
$ ls
abc
14:47 | oef-ihsg-jzw
You are screen sharing
Stop Share
Type here to search
27°C
ENG
14:47
03-02-2022

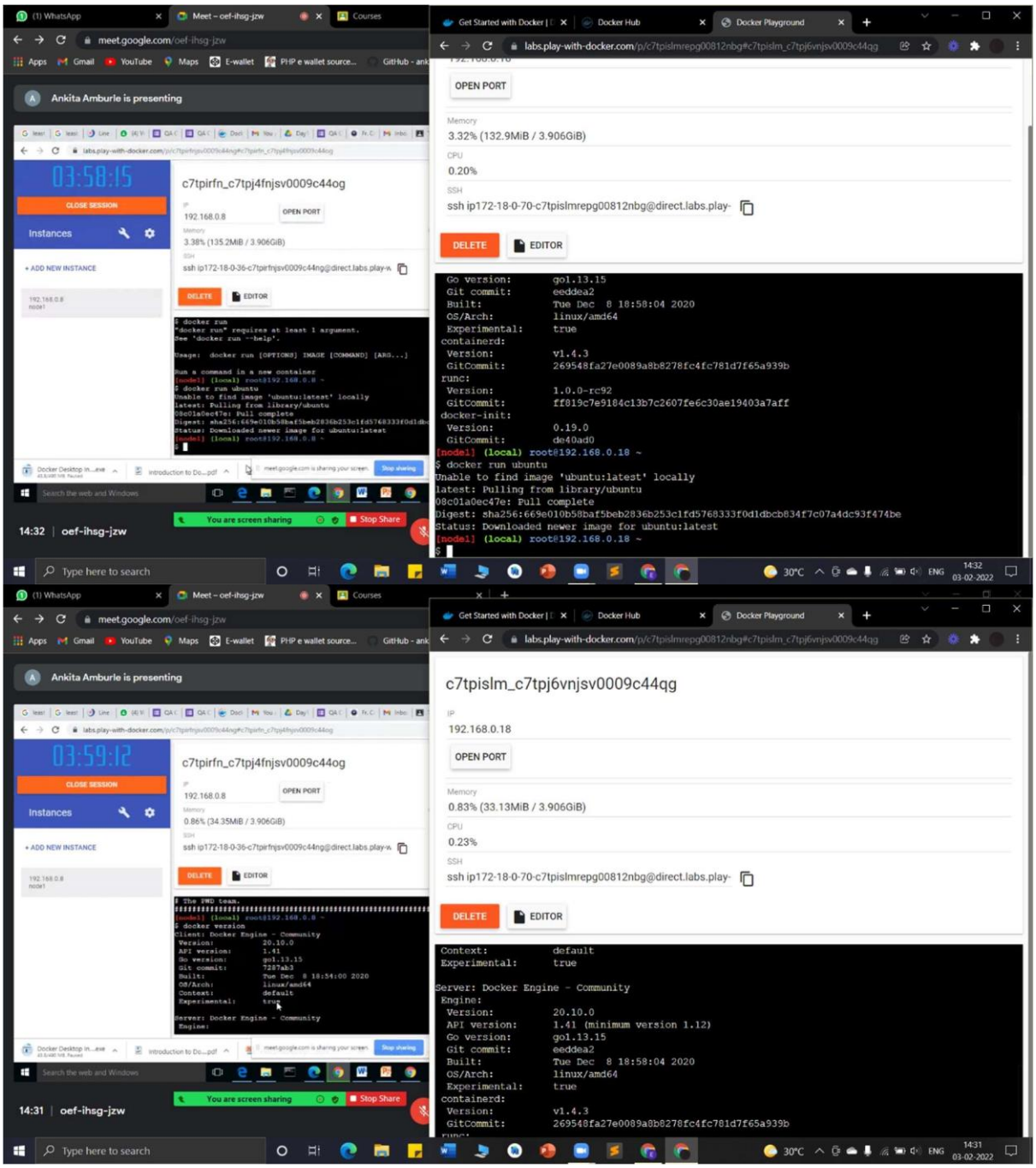

Ankita Amburle is presenting
c7tpirfn_c7tpj4fnjsv0009c44og
OPEN PORT
DELETE
EDITOR
Memory
1.76% (70.48MiB / 3.906GiB)
CPU
5.09%
SSH
ssh ip172-18-0-70-c7tpislmrepg00812nbg@direct.labs.play-
docker container ls -a
docker container ls -ls
docker run python
You are screen sharing
Stop Share
14:45 | oef-ihsg-jzw
Memory
1.77% (70.68MiB / 3.906GiB)
CPU
3.85%

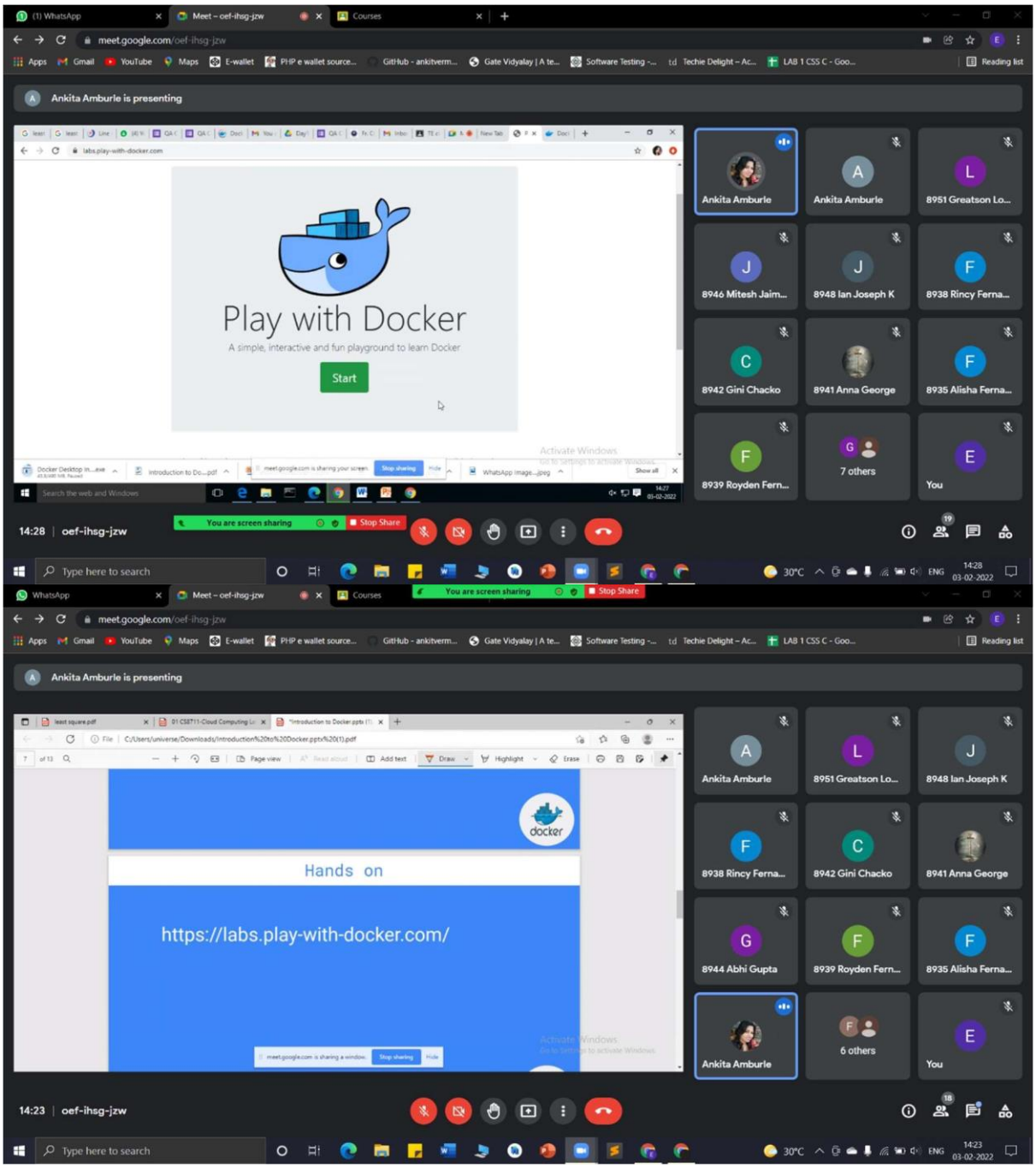

Ankita Amburle is presenting
c7tpirfn_c7tpj4fnjsv0009c44og
OPEN PORT
DELETE
EDITOR
Memory
1.78% (71.11MiB / 3.906GiB)
CPU
0.15%
SSH
ssh ip172-18-0-70-c7tpislmrepg00812nbg@direct.labs.play-
2022-02-03 09:13:36+00:00 [Note] [Entrypoint]: Entrypoint script for MySQL Server 8.0.28-1debian10 started.
2022-02-03 09:13:36+00:00 [Note] [Entrypoint]: Switching to dedicated user 'mysql'
2022-02-03 09:13:36+00:00 [Note] [Entrypoint]: Entrypoint script for MySQL Server 8.0.28-1debian10 started.
2022-02-03 09:13:37+00:00 [ERROR] [Entrypoint]: Database is uninitialized and password option is not specified
You need to specify one of the following:
- MYSQL_ROOT_PASSWORD
- MYSQL_ALLOW_EMPTY_PASSWORD
- MYSQL_RANDOM_ROOT_PASSWORD
[node1] (local) root@192.168.0.18 ~
$ docker container ls -a
CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS NAMES
424ab4f5728e mysql "docker-entrypoint.s…" 23 seconds ago Exited (1) 21 seconds ago gifted_chatelet
255c32599c6a ubuntu "bash" 11 minutes ago Exited (0) 11 minutes ago mystifying_jemison
[node1] (local) root@192.168.0.18 ~
$ docker run python
[node1] (local) root@192.168.0.18 ~
$ docker
14:44 | oef-ihsg-jzw
You are screen sharing
Stop Share
Type here to search
27°C
ENG
14:44
03-02-2022

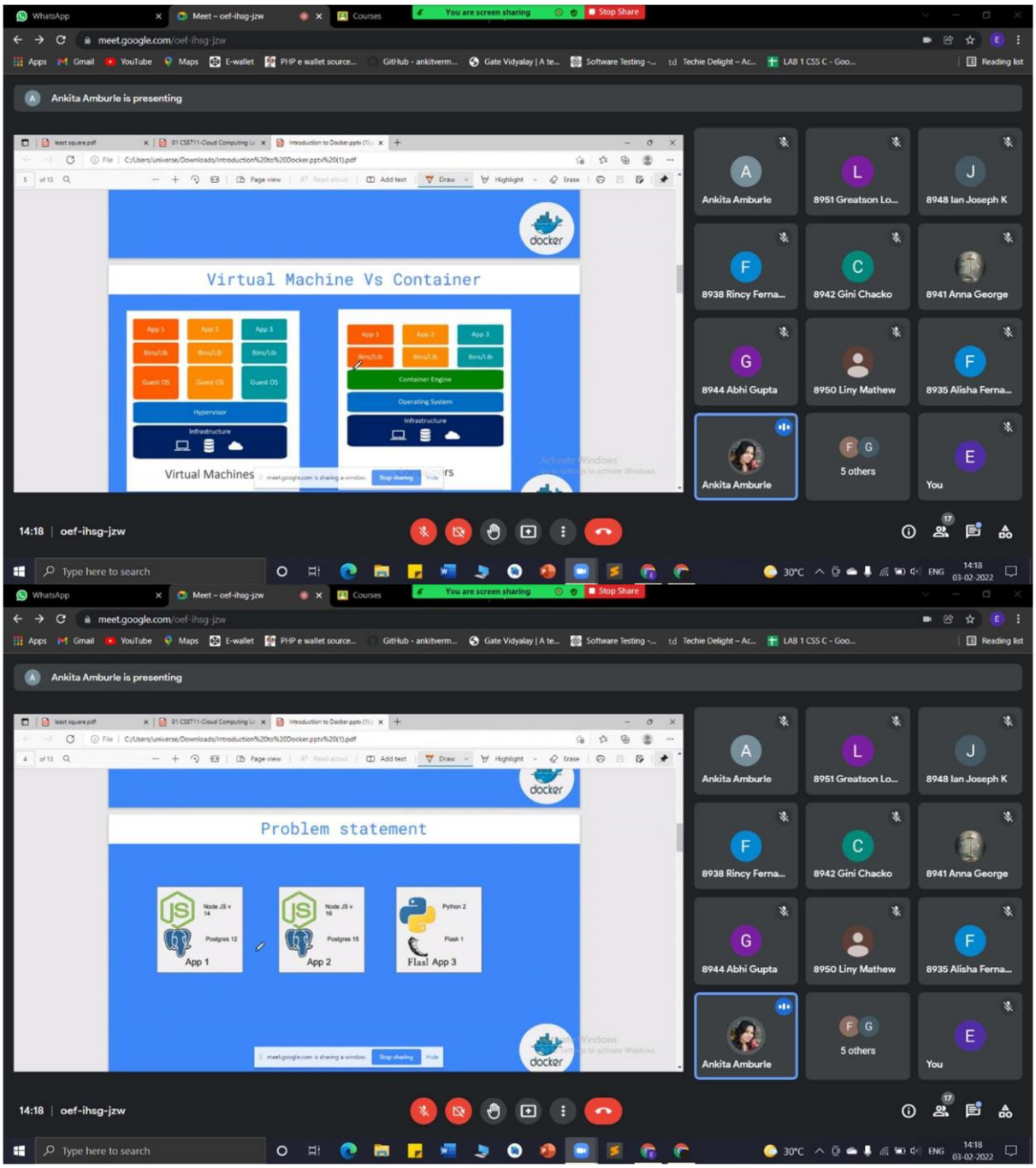
Ankita Amburle is presenting
c7tpirfn_c7tpj4fnjsv0009c44og
OPEN PORT
DELETE
EDITOR
Memory
1.90% (76.09MiB / 3.906GiB)
CPU
0.06%
SSH
ssh ip172-18-0-70-c7tpislmrepg00812nbg@direct.labs.play-
[node1] (local) root@192.168.0.18 ~
$ docker run mysql
2022-02-03 09:13:36+00:00 [Note] [Entrypoint]: Entrypoint script for MySQL Server 8.0.28-1debian10 started.
2022-02-03 09:13:36+00:00 [Note] [Entrypoint]: Switching to dedicated user 'mysql'
2022-02-03 09:13:36+00:00 [Note] [Entrypoint]: Entrypoint script for MySQL Server 8.0.28-1debian10 started.
2022-02-03 09:13:37+00:00 [ERROR] [Entrypoint]: Database is uninitialized and password option is not specified
You need to specify one of the following:
- MYSQL_ROOT_PASSWORD
- MYSQL_ALLOW_EMPTY_PASSWORD
- MYSQL_RANDOM_ROOT_PASSWORD
[node1] (local) root@192.168.0.18 ~
$ docker container ls -a
CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS NAMES
424ab4f5728e mysql "docker-entrypoint.s…" 23 seconds ago Exited (1) 21 seconds ago gifted_chatelet
255c32599c6a ubuntu "bash" 11 minutes ago Exited (0) 11 minutes ago mystifying_jemison
[node1] (local) root@192.168.0.18 ~
$
14:44 | oef-ihsg-jzw
You are screen sharing
Stop Share
Type here to search
27°C
ENG
14:44
03-02-2022


meet.google.com/oef-ihsg-jzw
Ankita Amburle is presenting
03:47:03
CLOSE SESSION
Instances
+ ADD NEW INSTANCE
c7tpirfn_c7tpj4fnjsv0009c44og
192.168.0.8
OPEN PORT
20.40% (816MiB / 3.906GiB)
DELETE
EDITOR
labs.play-with-docker.com/p/c7tpislmrepg00812nbg#c7tpislm_c7tpj6vnjsv0009c44qg
OPEN PORT
Memory
16.83% (673.4MiB / 3.906GiB)
CPU
0.28%
SSH
ssh ip172-18-0-70-c7tpislmrepg00812nbg@direct.labs.play-
DELETE
EDITOR
bash: docker.io: command not found
[node1] (local) root@192.168.0.18 ~
$ docker container ls -a
CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS NAMES
255c32599c6a ubuntu "bash" 9 minutes ago Exited (0) 9 minutes ago mystifying
_jemison
[node1] (local) root@192.168.0.18 ~
$ docker pull python:latest
latest: Pulling from library/python
0c6b8ff8c37e: Pull complete
412caad352a3: Pull complete
e6d3e61f7a50: Pull complete
461bb1d8c517: Pull complete
808edda3c2e8: Pull complete
724cfd2dc19b: Pull complete
8bd4965a24ab: Pull complete
fccd5fa208a8: Pull complete
af1ca64a0eec: Pull complete
Digest: sha256:a7a73f894e756267b2bac3b068e51ad50aa06f16855a9c6b208630d48937796f
Status: Downloaded newer image for python:latest
docker.io/library/python:latest
[node1] (local) root@192.168.0.18 ~
$
You are screen sharing
Stop Share
14:43 | oef-ihsg-jzw
Type here to search
30°C
ENG
14:43
03-02-2022

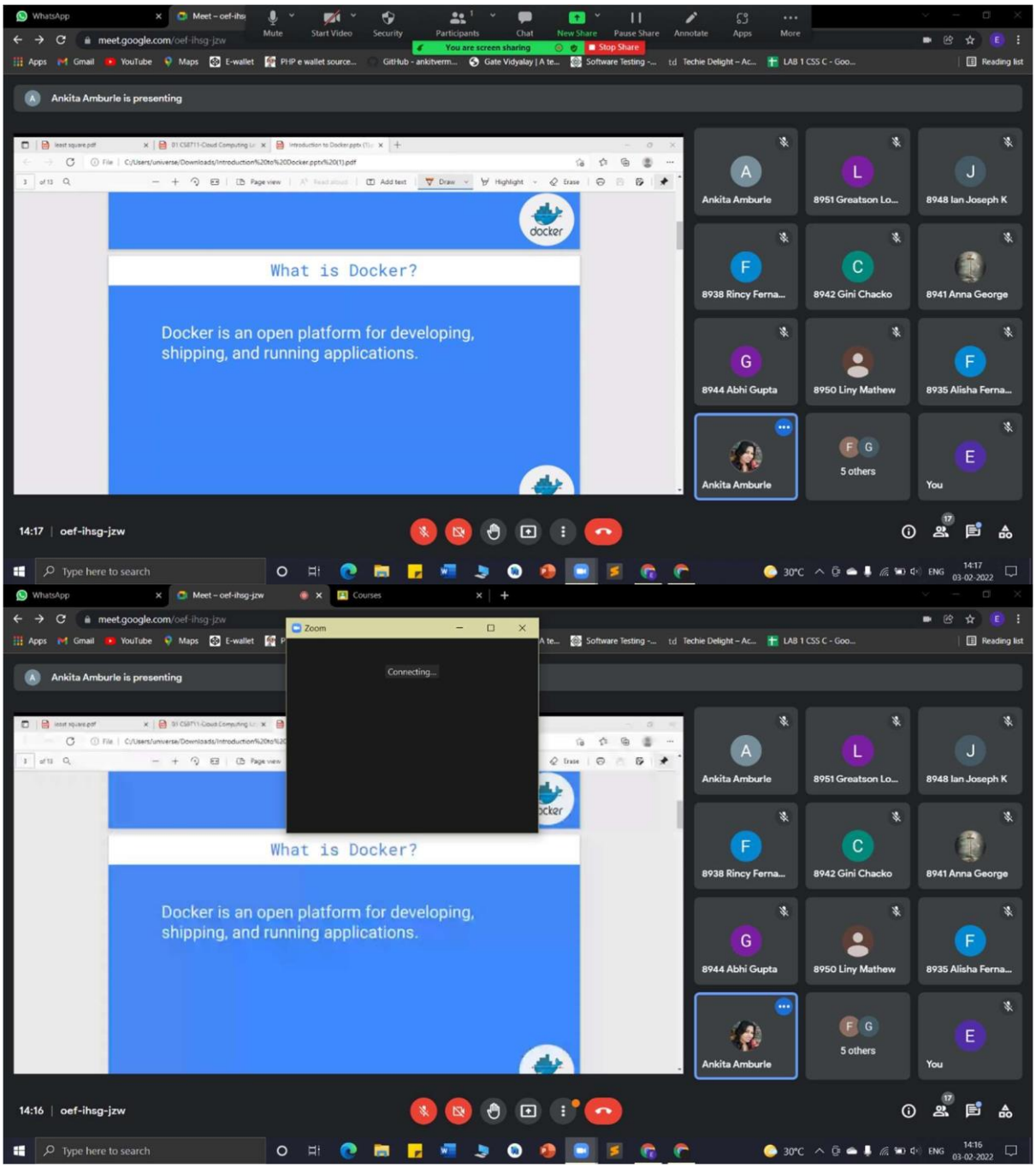
meet.google.com/oef-ihsg-jzw
Ankita Amburle is presenting
03:57:39
CLOSE SESSION
Instances
+ ADD NEW INSTANCE
c7tpirfn_c7tpj4fnjsv0009c44og
192.168.0.8
OPEN PORT
3.37% (135MiB / 3.906GiB)
DELETE
EDITOR
labs.play-with-docker.com/p/c7tpislmrepg00812nbg#c7tpislm_c7tpj6vnjsv0009c44qg
OPEN PORT
Memory
3.31% (132.4MiB / 3.906GiB)
CPU
0.21%
SSH
ssh ip172-18-0-70-c7tpislmrepg00812nbg@direct.labs.play-
DELETE
EDITOR
GitCommit: 269548fa27e0089a8b8278fc4fc781d7f65a939b
runc:
Version: 1.0.0-rc92
GitCommit: ff819c7e9184c13b7c2607fe6c30ae19403a7aff
docker-init:
Version: 0.19.0
GitCommit: de40ad0
[node1] (local) root@192.168.0.18 ~
$ docker run ubuntu
Unable to find image 'ubuntu:latest' locally
latest: Pulling from library/ubuntu
08c01a0ec47e: Pull complete
Digest: sha256:669e010b58baf5beb2836b253c1fd5768333f0d1dbcb834f7c07a4dc93f474be
Status: Downloaded newer image for ubuntu:latest
[node1] (local) root@192.168.0.18 ~
$ docker pull ubuntu
Using default tag: latest
latest: Pulling from library/ubuntu
Digest: sha256:669e010b58baf5beb2836b253c1fd5768333f0d1dbcb834f7c07a4dc93f474be
Status: Image is up to date for ubuntu:latest
docker.io/library/ubuntu:latest
[node1] (local) root@192.168.0.18 ~
$
You are screen sharing
Stop Share
14:32 | oef-ihsg-jzw
Type here to search
30°C
ENG
14:32
03-02-2022

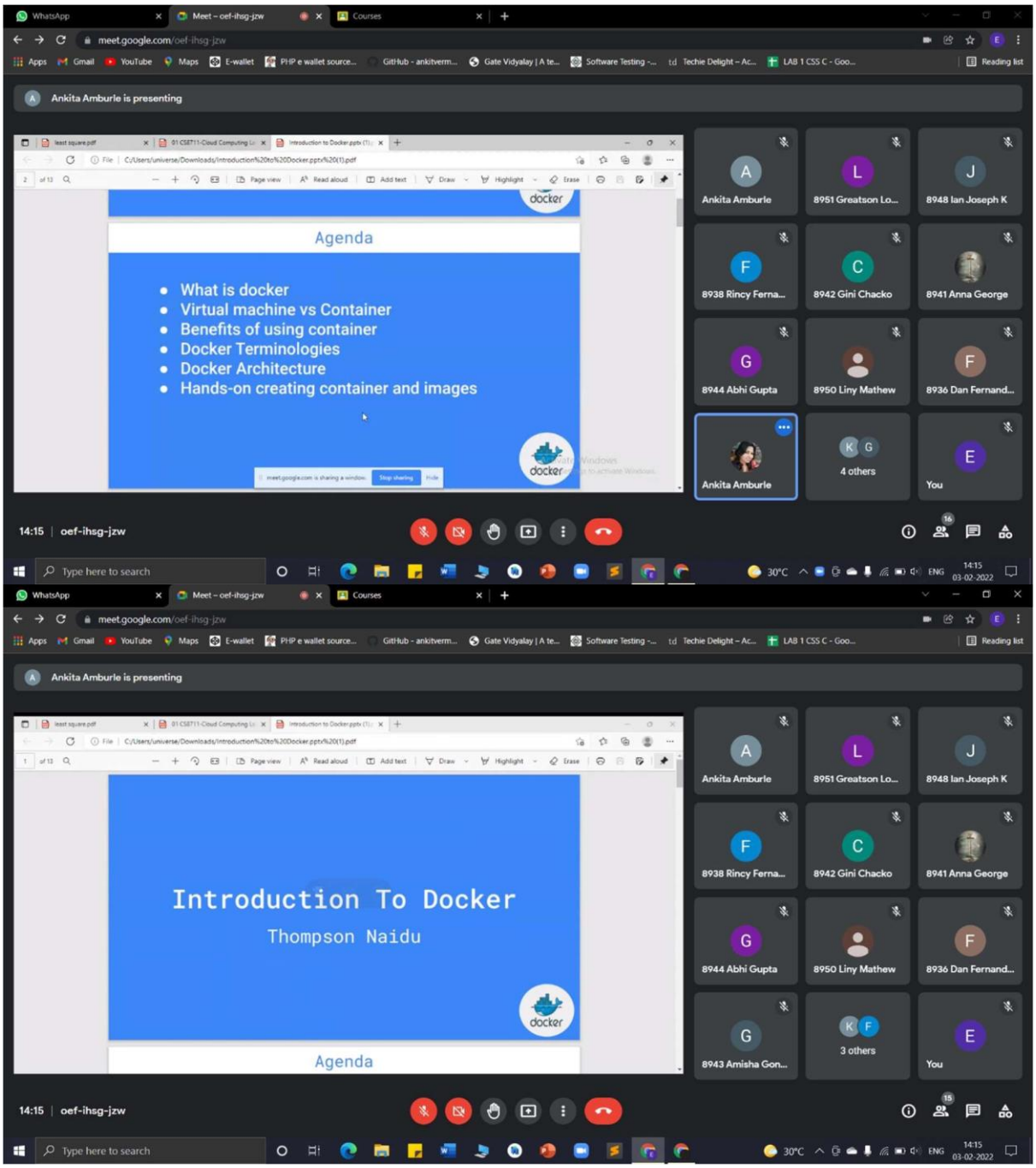

Ankita Amburle is presenting
c7tpirfn_c7tpj4fnjsv0009c44og
OPEN PORT
DELETE
EDITOR
c7tpislm_c7tpj6vnjsv0009c44qg
Memory
3.32% (132.9MiB / 3.906GiB)
CPU
0.20%
SSH
ssh ip172-18-0-70-c7tpislmrepg00812nbg@direct.labs.play-
Go version: go1.13.15
Git commit: eeddea2
Built: Tue Dec 8 18:58:04 2020
OS/Arch: linux/amd64
Experimental: true
containerd:
Version: v1.4.3
GitCommit: 269548fa27e0089a8b8278fc4fc781d7f65a939b
runc:
Version: 1.0.0-rc92
GitCommit: ff819c7e9184c13b7c2607fe6c30ae19403a7aff
docker-init:
Version: 0.19.0
GitCommit: de40ad0
[node1] (local) root@192.168.0.18 ~
$ docker run ubuntu
Unable to find image 'ubuntu:latest' locally
latest: Pulling from library/ubuntu
08c01a0ec47e: Pull complete
Digest: sha256:669e010b58baf5beb2836b253c1fd5768333f0d1dbcb834f7c07a4dc93f474be
Status: Downloaded newer image for ubuntu:latest
[node1] (local) root@192.168.0.18 ~
$
You are screen sharing
Stop Share
14:32 | oef-ihsg-jzw
Type here to search
30°C
ENG
14:32
03-02-2022
Ankita Amburle is presenting
c7tpislm_c7tpj6vnjsv0009c44qg
IP
192.168.0.18
OPEN PORT
Memory
0.83% (33.13MiB / 3.906GiB)
CPU
0.23%
SSH
ssh ip172-18-0-70-c7tpislmrepg00812nbg@direct.labs.play-
DELETE
EDITOR
Context: default
Experimental: true
Server: Docker Engine - Community
Engine:
Version: 20.10.0
API version: 1.41 (minimum version 1.12)
Go version: go1.13.15
Git commit: eeddea2
Built: Tue Dec 8 18:58:04 2020
OS/Arch: linux/amd64
Experimental: true
containerd:
Version: v1.4.3
GitCommit: 269548fa27e0089a8b8278fc4fc781d7f65a939b
You are screen sharing
Stop Share
14:31 | oef-ihsg-jzw
Type here to search
30°C
ENG
14:31
03-02-2022

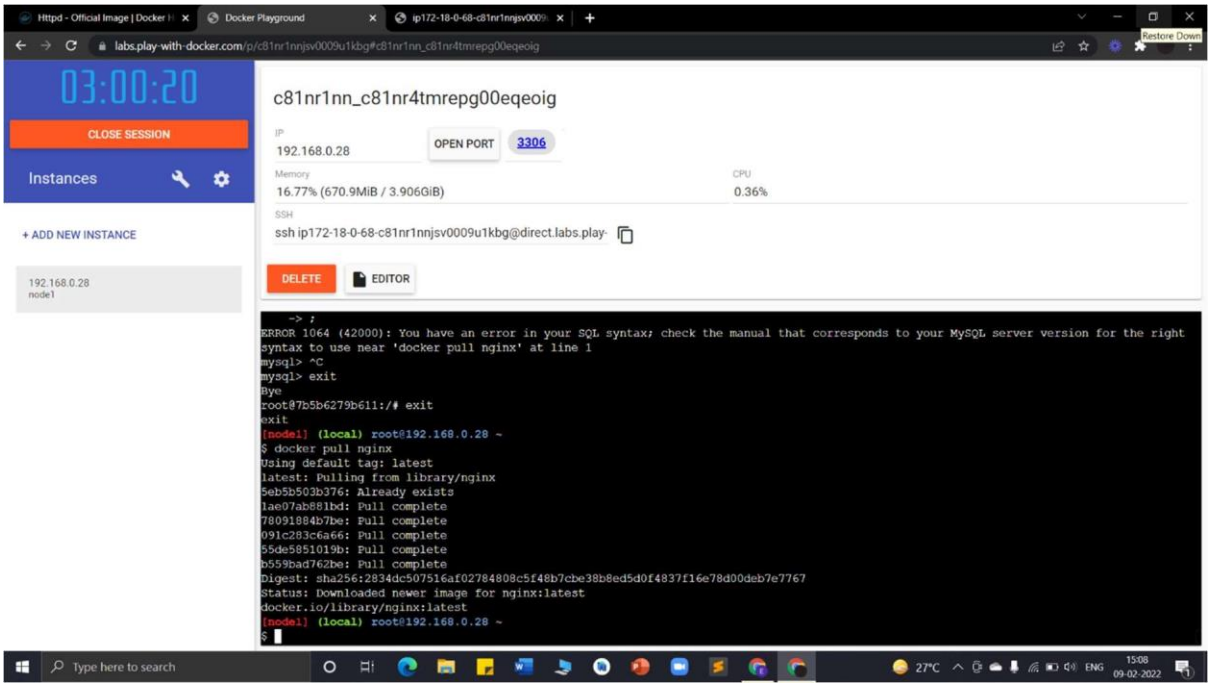

Ankita Amburle is presenting
Play with Docker
A simple, interactive and fun playground to learn Docker
Start
Ankita Amburle
Ankita Amburle
8951 Greatson Lo...
8946 Mitesh Jaim...
8948 Ian Joseph K
8938 Rincy Ferna...
8942 Gini Chacko
8941 Anna George
8935 Alisha Ferna...
8939 Royden Fern...
7 others
You
14:28 | oef-ihsg-jzw
You are screen sharing
Stop Share
Ankita Amburle is presenting
Hands on
https://labs.play-with-docker.com/
Ankita Amburle
8951 Greatson Lo...
8948 Ian Joseph K
8938 Rincy Ferna...
8942 Gini Chacko
8941 Anna George
8944 Abhi Gupta
8939 Royden Fern...
8935 Alisha Ferna...
Ankita Amburle
6 others
You
14:23 | oef-ihsg-jzw


WhatsApp
Meet – oef-ihsg-jzw
Courses
You are screen sharing
Stop Share
meet.google.com/oef-ihsg-jzw
Ankita Amburle is presenting
Virtual Machine Vs Container
Virtual Machines
Container Engine
Operating System
Infrastructure
Hypervisor
Ankita Amburle
8951 Greatson Lo...
8948 Ian Joseph K
8938 Rincy Ferna...
8942 Gini Chacko
8941 Anna George
8944 Abhi Gupta
8950 Liny Mathew
8935 Alisha Ferna...
5 others
You
14:18 | oef-ihsg-jzw
Type here to search
30°C
ENG
14:18
03-02-2022

WhatsApp
Meet – oef-ihsg-jzw
Courses
You are screen sharing
Stop Share
meet.google.com/oef-ihsg-jzw
Ankita Amburle is presenting
Problem statement
App 1
App 2
Flask App 3
Ankita Amburle
8951 Greatson Lo...
8948 Ian Joseph K
8938 Rincy Ferna...
8942 Gini Chacko
8941 Anna George
8944 Abhi Gupta
8950 Liny Mathew
8935 Alisha Ferna...
5 others
You
14:18 | oef-ihsg-jzw
Type here to search
30°C
ENG
14:18
03-02-2022


Ankita Amburle is presenting
What is Docker?
Docker is an open platform for developing, shipping, and running applications.
Ankita Amburle
8951 Greatson Lo...
8948 Ian Joseph K
8938 Rincy Ferna...
8942 Gini Chacko
8941 Anna George
8944 Abhi Gupta
8950 Liny Mathew
8935 Alisha Ferna...
5 others
You
14:17 | oef-ihsg-jzw
Zoom
Connecting...
14:16 | oef-ihsg-jzw


WhatsApp
Meet – oef-ihsg-jzw
Courses
meet.google.com/oef-ihsg-jzw
Ankita Amburle is presenting
Agenda
What is docker
Virtual machine vs Container
Benefits of using container
Docker Terminologies
Docker Architecture
Hands-on creating container and images
Ankita Amburle
8951 Greatson Lo...
8948 Ian Joseph K
8938 Rincy Ferna...
8942 Gini Chacko
8941 Anna George
8944 Abhi Gupta
8950 Liny Mathew
8936 Dan Fernand...
Ankita Amburle
4 others
You
14:15 | oef-ihsg-jzw
Type here to search
30°C
ENG
14:15
03-02-2022
WhatsApp
Meet – oef-ihsg-jzw
Courses
meet.google.com/oef-ihsg-jzw
Ankita Amburle is presenting
Introduction To Docker
Thompson Naidu
Agenda
Ankita Amburle
8951 Greatson Lo...
8948 Ian Joseph K
8938 Rincy Ferna...
8942 Gini Chacko
8941 Anna George
8944 Abhi Gupta
8950 Liny Mathew
8936 Dan Fernand...
8943 Amisha Gon...
3 others
You
14:15 | oef-ihsg-jzw
Type here to search
30°C
ENG
14:15
03-02-2022


Httpd - Official Image | Docker H
Docker Playground
ip172-18-0-68-c81nr1nnjsv0009
labs.play-with-docker.com/p/c81nr1nnjsv0009u1kbg#c81nr1nn_c81nr4tmrepg00eqeoig
Restore Down
03:00:20
CLOSE SESSION
Instances
+ ADD NEW INSTANCE
192.168.0.28
node1
c81nr1nn_c81nr4tmrepg00eqeoig
IP
192.168.0.28
OPEN PORT
3306
Memory
16.77% (670.9MiB / 3.906GiB)
CPU
0.36%
SSH
ssh ip172-18-0-68-c81nr1nnjsv0009u1kbg@direct.labs.play-
DELETE
EDITOR
-> ;
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near 'docker pull nginx' at line 1
mysql> ^C
mysql> exit
Bye
root@7b5b6279b611:/# exit
exit
[node1] (local) root@192.168.0.28 ~
$ docker pull nginx
Using default tag: latest
latest: Pulling from library/nginx
5eb5b503b376: Already exists
1ae07ab881bd: Pull complete
78091884b7be: Pull complete
091c283c6a66: Pull complete
55de5851019b: Pull complete
b559bad762be: Pull complete
Digest: sha256:2834dc507516af02784808c5f48b7cbe38b8ed5d0f4837f16e78d00deb7e7767
Status: Downloaded newer image for nginx:latest
docker.io/library/nginx:latest
[node1] (local) root@192.168.0.28 ~
$
Type here to search
27°C
ENG
15:08
09-02-2022