

Experiment No:-7

Aim:- To execute Docker commands to manage images and interact with containers.

Commands:-

Docker version:-

01:55:29

CLOSE SESSION

Instances

+ ADD NEW INSTANCE

192.168.0.24
node1

d34ik946_d34ikcs69qi000bhq030

IP
192.168.0.24

OPEN PORT

Memory
1.12% (44.91MiB / 3.906GiB)

CPU
0.08%

SSH
ssh ip172-18-0-13-d34ik9469qi000bhq020@direct.labs.pla

DELETE

EDITOR

```
##### 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@192.168.0.24 ~
$ docker version
Client:
Version:      27.3.1
API version:  1.47
Go version:   go1.22.7
Git commit:   ce12230
Built:        Fri Sep 20 11:39:44 2024
OS/Arch:     linux/amd64
```

Docker Info:-

01:59:33

CLOSE SESSION

Instances

+ ADD NEW INSTANCE

192.168.0.14
node1

d34j8qc6_d34j8sk69qi00095mji0

IP
192.168.0.14

OPEN PORT

Memory
0.94% (37.54MiB / 3.906GiB)

CPU
0.09%

SSH
ssh ip172-18-0-36-d34j8qc69qi00095mjh0@direct.labs.pla

DELETE

EDITOR

```
(node1) (local) root@192.168.0.14 ~
$ docker info
Client:
Version:      27.3.1
Context:      default
Debug Mode:   false
Plugins:
buildx: Docker Buildx (Docker Inc.)
  Version:  v0.17.1
  Path:      /usr/local/libexec/docker/cli-plugins/docker-buildx
compose: Docker Compose (Docker Inc.)
  Version:  v2.29.7
  Path:      /usr/local/libexec/docker/cli-plugins/docker-compose
scout: Docker Scout (Docker Inc.)
  Version:  v1.0.9
  Path:      /usr/lib/docker/cli-plugins/docker-scout
```

Docker images:-

01:53:28

CLOSE SESSION

Instances

+ ADD NEW INSTANCE

192.168.0.24
node1

d34ik946_d34ikcs69qi000bhq030

IP
192.168.0.24

OPEN PORT

Memory
1.14% (45.6MiB / 3.906GiB)

CPU
0.10%

SSH
ssh ip172-18-0-13-d34ik9469qi000bhq020@direct.labs.pla

DELETE

EDITOR

```
(node1) (local) root@192.168.0.24 ~
$ docker images
REPOSITORY TAG IMAGE ID CREATED SIZE
(node1) (local) root@192.168.0.24 ~
$
```

Docker Images ls:-

01:51:47

CLOSE SESSION

Instances

+ ADD NEW INSTANCE

192.168.0.24
node1

d34ik946_d34ikcs69qi000bhq030

IP
192.168.0.24

OPEN PORT

Memory
1.14% (45.69MiB / 3.906GiB)

CPU
0.10%

SSH
ssh ip172-18-0-13-d34ik9469qi000bhq020@direct.labs.pla

DELETE

EDITOR

```
[node1] (local) root@192.168.0.24 ~
$ docker image ls
REPOSITORY TAG IMAGE ID CREATED SIZE
[node1] (local) root@192.168.0.24 ~
$
```

Docker ps:-

01:50:42

CLOSE SESSION

Instances

+ ADD NEW INSTANCE

192.168.0.24
node1

d34ik946_d34ikcs69qi000bhq030

IP
192.168.0.24

OPEN PORT

Memory
1.14% (45.8MiB / 3.906GiB)

CPU
0.14%

SSH
ssh ip172-18-0-13-d34ik9469qi000bhq020@direct.labs.pla

DELETE

EDITOR

```
[node1] (local) root@192.168.0.24 ~
$ docker ps
CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS NAMES
[node1] (local) root@192.168.0.24 ~
$
```

Docker Pull:-

01:48:21

CLOSE SESSION

Instances

+ ADD NEW INSTANCE

192.168.0.24
node1

d34ik946_d34ikcs69qi000bhq030

IP
192.168.0.24

OPEN PORT

Memory
5.04% (201.5MiB / 3.906GiB)

CPU
0.08%

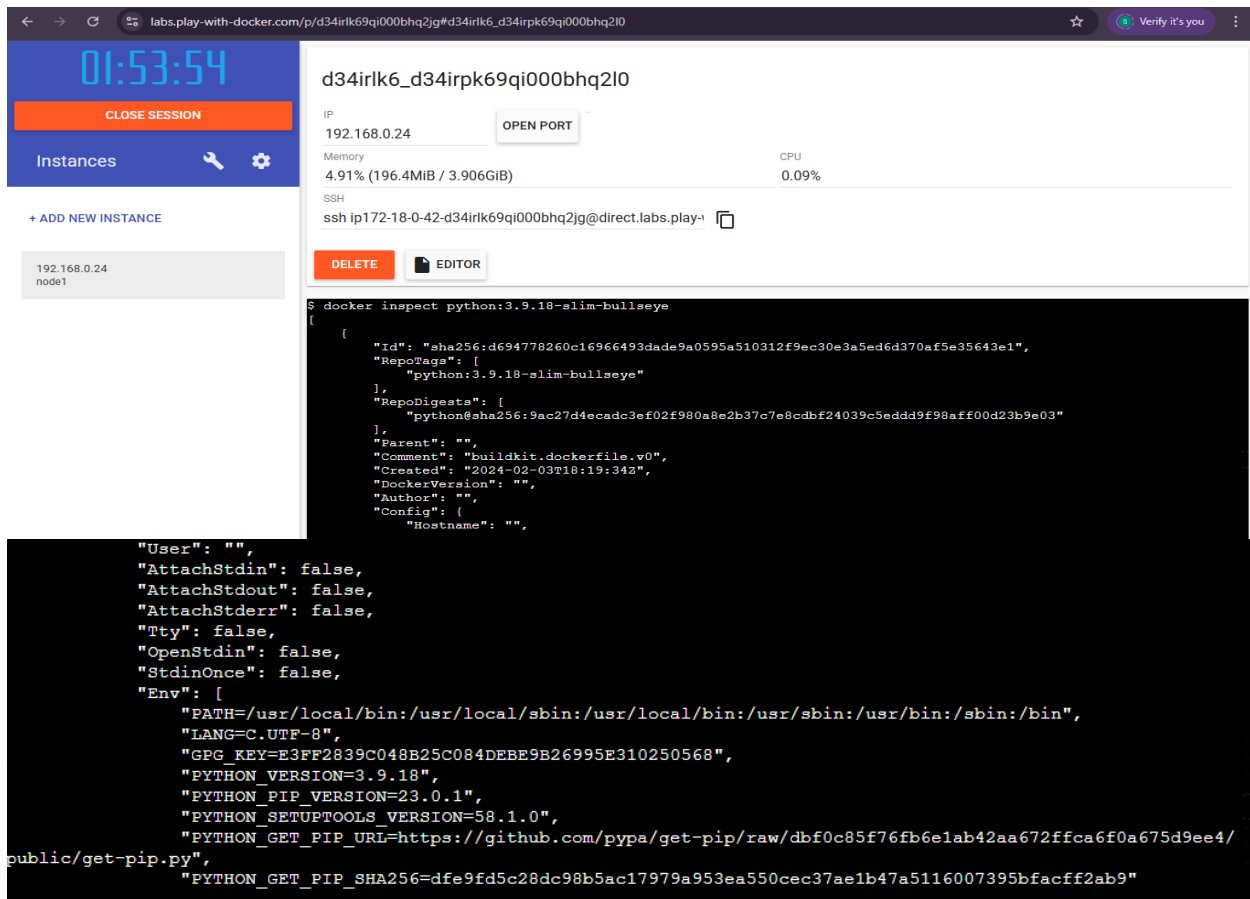
SSH
ssh ip172-18-0-13-d34ik9469qi000bhq020@direct.labs.pla

DELETE

EDITOR

```
[node1] (local) root@192.168.0.24 ~
$ docker pull python:3.9.18-slim-bullseye
3.9.18-slim-bullseye: Pulling from library/python
c0dedf2937fa: Pull complete
29ff364e54a5: Pull complete
a7ce18212da8: Pull complete
eba0cb710295: Pull complete
b0ab1d7c4e4: Pull complete
Digest: sha256:9ac27d4ccad3ef02f980a8e2b37c7e8c8bf24039c5eddd9f98aff00d23b9e03
Status: Downloaded newer image for python:3.9.18-slim-bullseye
docker.io/library/python:3.9.18-slim-bullseye
[node1] (local) root@192.168.0.24 ~
$
```

Docker inspect:-



labs.play-with-docker.com/p/d34irlk69qi000bhq2lg#d34irlk6_d34irpk69qi000bhq2l0

01:53:54

CLOSE SESSION

Instances

+ ADD NEW INSTANCE

192.168.0.24 node1

d34irlk6_d34irpk69qi000bhq2l0

IP: 192.168.0.24 OPEN PORT

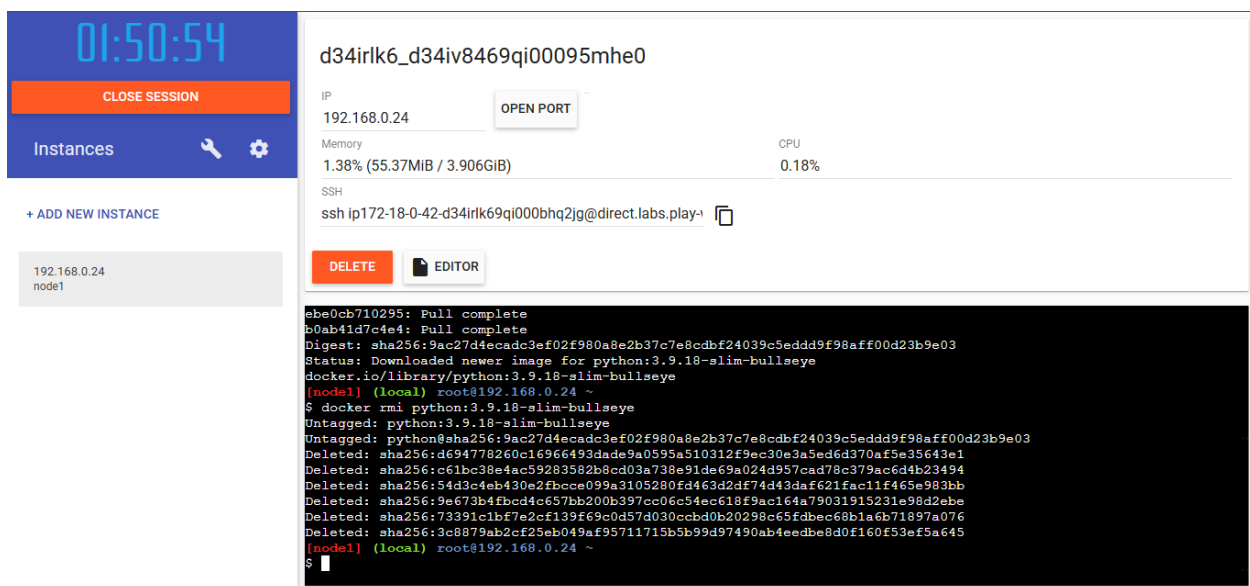
Memory: 4.91% (196.4MiB / 3.906GiB) CPU: 0.09%

SSH: ssh ip172-18-0-42-d34irlk69qi000bhq2lg@direct.labs.play-with-docker.com

DELETE EDITOR

```
$ docker inspect python:3.9.18-slim-bullseye
[
  {
    "Id": "sha256:d694778260c16966493dade9a0595a510312f9ec30e3a5ed6d370af5e35643e1",
    "RepoTags": [
      "python:3.9.18-slim-bullseye"
    ],
    "RepoDigests": [
      "python@sha256:9ac27d4ecadc3ef02f980a8e2b37c7e8cddf24039c5eddd9f98aff00d23b9e03"
    ],
    "Parent": "",
    "Comment": "buildkit.dockerfile.v0",
    "Created": "2024-02-03T18:19:34Z",
    "DockerVersion": "",
    "Author": "",
    "Config": {
      "Hostname": "",
      "User": "",
      "AttachStdin": false,
      "AttachStdout": false,
      "AttachStderr": false,
      "Tty": false,
      "OpenStdin": false,
      "StdinOnce": false,
      "Env": [
        "PATH=/usr/local/bin:/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin",
        "LANG=C.UTF-8",
        "GPG_KEY=E3FF2839C048B25C084DEBE9B26995E310250568",
        "PYTHON_VERSION=3.9.18",
        "PYTHON_PIP_VERSION=23.0.1",
        "PYTHON_SETUPTOOLS_VERSION=58.1.0",
        "PYTHON_GET_PIP_URL=https://github.com/pypa/get-pip/raw/dbf0c85f76fb6e1ab42aa672ffca6f0a675d9ee4/public/get-pip.py",
        "PYTHON_GET_PIP_SHA256=dfe9fd5c28dc98b5ac17979a953ea550cec37ae1b47a5116007395bfacff2ab9"
      ]
    }
  }
]
```

Docker rmi:-



labs.play-with-docker.com/p/d34irlk69qi000bhq2lg#d34irlk6_d34iv8469qi00095mhe0

01:50:54

CLOSE SESSION

Instances

+ ADD NEW INSTANCE

192.168.0.24 node1

d34irlk6_d34iv8469qi00095mhe0

IP: 192.168.0.24 OPEN PORT

Memory: 1.38% (55.37MiB / 3.906GiB) CPU: 0.18%

SSH: ssh ip172-18-0-42-d34irlk69qi000bhq2lg@direct.labs.play-with-docker.com

DELETE EDITOR

```
ebe0cb710295: Full complete
b0ab41d7c4e4: Full complete
Digest: sha256:9ac27d4ecadc3ef02f980a8e2b37c7e8cddf24039c5eddd9f98aff00d23b9e03
Status: Downloaded newer image for python:3.9.18-slim-bullseye
docker.io/library/python:3.9.18-slim-bullseye
(node1) (local) root@192.168.0.24 ~
$ docker rmi python:3.9.18-slim-bullseye
Untagged: python@sha256:9ac27d4ecadc3ef02f980a8e2b37c7e8cddf24039c5eddd9f98aff00d23b9e03
Deleted: sha256:d694778260c16966493dade9a0595a510312f9ec30e3a5ed6d370af5e35643e1
Deleted: sha256:c61bc38e4ac59283582b8cd03a738e91de69a024d957cad78c379ac6d4b23494
Deleted: sha256:54d3c4eb430e2fbcc099a3105280fd463d2df74d43daf621fac11f465e983bb
Deleted: sha256:9e673b4fbcd4c657bb200b397cc06c54ec618f9ac164a79031915231e98d2ebe
Deleted: sha256:73391c1bf7e2cf139f69c0d57d030cbbd0b20298c65fdbec68b1a6b71897a076
Deleted: sha256:3c8879ab2cf25eb049af95711715b5b99d97490ab4eedbe8d0f160f53ef5a645
(node1) (local) root@192.168.0.24 ~
$
```