

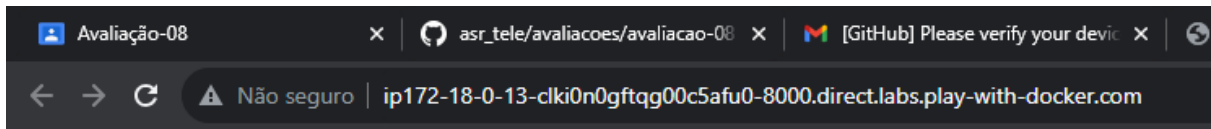


**INSTITUTO
FEDERAL**
Ceará

ATIVIDADE 08

OTTO TEIXEIRA RIBEIRO BRAGA E MELLO

S4 DE TELEMÁTICA



Hello World! I have been seen 1 times.

```
#####
#                                     WARNING!!!!                                     #
# This is a sandbox environment. Using personal credentials                       #
# is HIGHLY! discouraged. Any consequences of doing so are                       #
# completely the user's responsibilities.                                         #
#                                                                              #
# The PWD team.                                                                #
#####
[node1] (local) root@192.168.0.18 ~
$ touch docker-compose.yml
[node1] (local) root@192.168.0.18 ~
$ docker compose up
empty compose file
[node1] (local) root@192.168.0.18 ~
$ mkdir composetest
[node1] (local) root@192.168.0.18 ~
$ cd composetest
[node1] (local) root@192.168.0.18 ~/composetest
$ vim app.py
[node1] (local) root@192.168.0.18 ~/composetest
$ vim requirements.txt
[node1] (local) root@192.168.0.18 ~/composetest
$ vim Dockerfile
[node1] (local) root@192.168.0.18 ~/composetest
$ vim compose.yaml
[node1] (local) root@192.168.0.18 ~/composetest
$ docker compose up
[+] Running 8/8
  ✓ redis 7 layers [#####]      0B/0B      Pulled
  ✓ 96526aa774ef Pull complete
  ✓ f150590280ce Pull complete
  ✓ f28642122f09 Pull complete
  ✓ 3b02f0386730 Pull complete
  ✓ 42c996777dea Pull complete
  ✓ 4f4fb700ef54 Pull complete
  ✓ dce1e561adcd Pull complete
[+] Building 14.7s (13/13) FINISHED
```

```

on. Being disabled, it can also cause failures without low memory condition, see https://github.com/jemalloc/jemalloc
= 1' to /etc/sysctl.conf and then reboot or run the command 'sysctl vm.overcommit_memory=1' for this to take effect
composetest-redis-1 | 1:C 01 Dec 2023 00:16:59.153 * oO0oOo00oO0oOo Redis is starting oO0oOo00oO0oOo
composetest-redis-1 | 1:C 01 Dec 2023 00:16:59.153 * Redis version=7.2.3, bits=64, commit=00000000, modified=0, pi
composetest-redis-1 | 1:C 01 Dec 2023 00:16:59.153 # Warning: no config file specified, using the default config.
redis.conf
composetest-redis-1 | 1:M 01 Dec 2023 00:16:59.154 * monotonic clock: POSIX clock_gettime
composetest-redis-1 | 1:M 01 Dec 2023 00:16:59.155 * Running mode=standalone, port=6379.
composetest-redis-1 | 1:M 01 Dec 2023 00:16:59.155 # WARNING: The TCP backlog setting of 511 cannot be enforced be
of 128.
composetest-redis-1 | 1:M 01 Dec 2023 00:16:59.158 * Server initialized
composetest-redis-1 | 1:M 01 Dec 2023 00:16:59.159 * Loading RDB produced by version 7.2.3
composetest-redis-1 | 1:M 01 Dec 2023 00:16:59.159 * RDB age 44 seconds
composetest-redis-1 | 1:M 01 Dec 2023 00:16:59.159 * RDB memory usage when created 0.83 Mb
composetest-redis-1 | 1:M 01 Dec 2023 00:16:59.159 * Done loading RDB, keys loaded: 0, keys expired: 0.
composetest-redis-1 | 1:M 01 Dec 2023 00:16:59.160 * DB loaded from disk: 0.001 seconds
composetest-redis-1 | 1:M 01 Dec 2023 00:16:59.160 * Ready to accept connections tcp
composetest-web-1 | * Serving Flask app 'app.py'
composetest-web-1 | * Debug mode: off
composetest-web-1 | WARNING: This is a development server. Do not use it in a production deployment. Use a produ
composetest-web-1 | * Running on all addresses (0.0.0.0)
composetest-web-1 | * Running on http://127.0.0.1:5000
composetest-web-1 | * Running on http://172.19.0.3:5000
composetest-web-1 | Press CTRL+C to quit
composetest-web-1 | 172.18.0.1 - - [01/Dec/2023 00:17:47] code 400, message Bad request version ('')
composetest-web-1 | 172.18.0.1 - - [01/Dec/2023 00:17:47] "KG,Rt
L:u0*=inc^Å$eMiW :;ø36îhXômEP/
" HTTPStatus.BAD_REQUEST -
composetest-web-1 | 172.18.0.1 - - [01/Dec/2023 00:17:47] code 400, message Bad request version ('\x00\x12\x00\x
06\x01\x00')
composetest-web-1 | 172.18.0.1 - - [01/Dec/2023 00:17:47] "kgâ8Èp
÷ ³â)>òG³'Åøtð.£^m÷ <îi ¼q CRx
Èh
û Å6.K>ÈC-7V-Û úuÅ+A/A,Å0l@i`AA" HTTPStatus.BAD_REQUEST -
composetest-web-1 | 172.18.0.1 - - [01/Dec/2023 00:17:47] "GET / HTTP/1.1" 200 -
composetest-web-1 | 172.18.0.1 - - [01/Dec/2023 00:17:47] "GET /favicon.ico HTTP/1.1" 404 -

```

```

[noel1] (local) root@192.168.0.18 ~/composetest
$ docker image ls
REPOSITORY          TAG          IMAGE ID          CREATED          SIZE
composetest-web     latest      000ac406ffbe     6 minutes ago   214MB
redis               alpine      246a9110fd9e     2 weeks ago     43.4MB
[noel1] (local) root@192.168.0.18 ~/composetest

```

```

$ docker compose up
[+] Building 0.0s (0/0)
[+] Running 2/0
✓ Container composetest-redis-1 Created
✓ Container composetest-web-1 Recreated
Attaching to composetest-redis-1, composetest-web-1
composetest-redis-1 | 1:C 01 Dec 2023 00:26:22.391 # WARNING Memory overcommit must be enab
on. Being disabled, it can also cause failures without low memory condition, see https://git
= 1' to /etc/sysctl.conf and then reboot or run the command 'sysctl vm.overcommit_memory=1'
composetest-redis-1 | 1:C 01 Dec 2023 00:26:22.391 * oO0oOo00oO0oOo Redis is starting oO0oOo
composetest-redis-1 | 1:C 01 Dec 2023 00:26:22.391 * Redis version=7.2.3, bits=64, commit=0
composetest-redis-1 | 1:C 01 Dec 2023 00:26:22.391 # Warning: no config file specified, usi
redis.conf
composetest-redis-1 | 1:M 01 Dec 2023 00:26:22.392 * monotonic clock: POSIX clock_gettime
composetest-redis-1 | 1:M 01 Dec 2023 00:26:22.392 * Running mode=standalone, port=6379.
composetest-redis-1 | 1:M 01 Dec 2023 00:26:22.393 # WARNING: The TCP backlog setting of 51
of 128.
composetest-redis-1 | 1:M 01 Dec 2023 00:26:22.394 * Server initialized
composetest-redis-1 | 1:M 01 Dec 2023 00:26:22.394 * Loading RDB produced by version 7.2.3
composetest-redis-1 | 1:M 01 Dec 2023 00:26:22.394 * RDB age 366 seconds
composetest-redis-1 | 1:M 01 Dec 2023 00:26:22.394 * RDB memory usage when created 0.88 Mb
composetest-redis-1 | 1:M 01 Dec 2023 00:26:22.394 * Done loading RDB, keys loaded: 1, keys
composetest-redis-1 | 1:M 01 Dec 2023 00:26:22.394 * DB loaded from disk: 0.000 seconds

```

```
$ docker compose up -d
[+] Building 0.0s (0/0)
[+] Running 2/0
✓ Container composetest-redis-1 Running
✓ Container composetest-web-1 Running
[node1] (local) root@192.168.0.18 ~/composetest
$ docker compose ps
```

NAME	IMAGE	COMMAND	SERVICE	CREATED	STATUS	PORTS
composetest-redis-1	redis:alpine	"docker-entrypoint.s..."	redis	18 minutes ago	Up 4 minutes	6379/tcp
composetest-web-1	composetest-web	"flask run"	web	7 minutes ago	Up 4 minutes	0.0.0.0:8000->5000/tcp

```
$ docker compose run web env
[+] Building 0.0s (0/0)
[+] Building 0.0s (0/0)
PATH=/usr/local/bin:/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin
HOSTNAME=c3b73383c0e5
TERM=xterm
FLASK_DEBUG=true
LANG=C.UTF-8
GPG_KEY=0D96DF4D4110E5C43FBFB17F2D347EA6AA65421D
PYTHON_VERSION=3.7.17
PYTHON_PIP_VERSION=23.0.1
PYTHON_SETUPTOOLS_VERSION=57.5.0
PYTHON_GET_PIP_URL=https://github.com/pypa/get-pip/raw/9af82b71
PYTHON_GET_PIP_SHA256=45a2bb8bf2bb5eff16fdd00faef6f29731831c7c5
FLASK_APP=app.py
FLASK_RUN_HOST=0.0.0.0
HOME=/root
[node1] (local) root@192.168.0.18 ~/composetest
$ docker compose stop
[+] Stopping 2/2
✓ Container composetest-redis-1 Stopped
✓ Container composetest-web-1 Stopped
[node1] (local) root@192.168.0.18 ~/composetest
$ docker compose down --volumes
[+] Running 3/0
✓ Container composetest-redis-1 Removed
✓ Container composetest-web-1 Removed
✓ Network composetest_default Removed
```