

## Verifica TPS – Docker – Fase 2

IP address:

```
docker:~# ip address
1: lo: <LOOPBACK,UP,LOWER_UP> mtu 65536 qdisc noqueue state UNKNOWN qlen 1000
    link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00:00
    inet 127.0.0.1/8 scope host lo
        valid_lft forever preferred_lft forever
    inet6 ::1/128 scope host
        valid_lft forever preferred_lft forever
2: eth0: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc pfifo_fast state UP qlen 1000
    link/ether 08:00:27:fd:fc:56 brd ff:ff:ff:ff:ff:ff
    inet 172.20.10.4/28 scope global eth0
        valid_lft forever preferred_lft forever
    inet6 fe80::a00:27ff:fe56:fc56/64 scope link
        valid_lft forever preferred_lft forever
3: docker0: <NO-CARRIER,BROADCAST,MULTICAST,UP> mtu 1500 qdisc noqueue state DOWN
    link/ether 02:42:75:eb:bb:75 brd ff:ff:ff:ff:ff:ff
    inet 172.26.0.1/16 brd 172.26.255.255 scope global docker0
        valid_lft forever preferred_lft forever
    inet6 fe80::42:75ff:feeb:bb75/64 scope link
        valid_lft forever preferred_lft forever
```

Dockerfile:

```
GNU nano 7.0 Dockerfile
FROM imgfase1
RUN python3 -m ensurepip
RUN python3 -m pip install flask
RUN python3 -m pip install requests
```

Immagine:

```
docker:~/verifica/fase2# docker images
REPOSITORY    TAG       IMAGE ID       CREATED        SIZE
imgfase2      latest    922066b3370f   45 seconds ago 218MB
```

ls -l:

```
docker:~/verifica/fase2# ls -l
total 4
-rw-r--r--  1 root    root      109 May 12 09:40 Dockerfile
```

## Verifica TPS – Docker – Fase 2

Mi collego tramite prompt dei comandi windows

docker image inspect immgfase2:

```
docker:~$ docker image inspect immgfase2
[
  {
    "Id": "sha256:922866b3378f2d1187aa566683d98d3a96932f17387e32c7f4758bde1a7ee2c",
    "RepoTags": [
      "imgfase2:latest"
    ],
    "RepoDigests": [],
    "Parent": "sha256:c8e426aa2b7364d7aa8897cecfb4494b8e1c86badf5b744f8ed14e7ead4a5c2",
    "Comment": "",
    "Created": "2023-05-12T07:41:16.827382833Z",
    "Container": "e77d86879dd3de44638c5de42366a84ac91d0baad9f3c53d68159ea88438663",
    "ContainerConfig": {
      "Hostname": "",
      "Domainname": "",
      "User": "",
      "AttachStdin": false,
      "AttachStdout": false,
      "AttachStderr": false,
      "Tty": false,
      "OpenStdin": false,
      "StdinOnce": false,
      "Env": [
        "PATH=/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin"
      ],
      "Cmd": [
        "/bin/sh",
        "-c",
        "python3 -m pip install requests"
      ],
      "Image": "sha256:c8e426aa2b7364d7aa8897cecfb4494b8e1c86badf5b744f8ed14e7ead4a5c2",
      "Volumes": null,
      "WorkingDir": "/work",
      "Entrypoint": null,
      "OnBuild": null,
      "Labels": null
    },
    "DockerVersion": "20.10.20",
    "Author": "",
    "Config": {
      "Hostname": "",
      "Domainname": "",
      "User": "",
      "AttachStdin": false,
      "AttachStdout": false,
      "AttachStderr": false,
      "Tty": false,
      "OpenStdin": false,
      "StdinOnce": false,
      "Env": [
        "PATH=/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin"
      ],
      "Cmd": [
        "/bin/sh"
      ],
      "Image": "sha256:c8e426aa2b7364d7aa8897cecfb4494b8e1c86badf5b744f8ed14e7ead4a5c2",
      "Volumes": null,
      "WorkingDir": "/work",
      "Entrypoint": null,
      "OnBuild": null,
      "Labels": null
    },
    "Architecture": "amd64",
    "Os": "linux",
    "Size": 217569158,
    "VirtualSize": 217569158,
    "GraphDriver": {
      "Data": {
        "LowerDir": "/var/lib/docker/overlay2/069be596c12e1f3819f065b6399d8e6735b2cc8ec77eb64a5389ce962f006def/diff:/var/lib/docker/overlay2/a53e5ef158b558bee33ba2aa8bdc437b5c8e81ce9778d8a71729adc296c250/diff:/var/lib/docker/overlay2/b97853982f9f9b9ea27e53f99d96eeb13be8906f30ad53d1bfddd295a8841dee/diff:/var/lib/docker/overlay2/158308623d6202d28fede762f766ebc98df2513859a614815496c7bf76df5592/diff:/var/lib/docker/overlay2/81d1838b51edd99f15972f2f25f8410fc53c96f1bb84de584b59d9d31e1efa/diff:/var/lib/docker/overlay2/a4be82f6c266ebc286a537b2894cf01fe266e11eba98a7ab434766675f37286b/diff:/var/lib/docker/overlay2/842dd425635f3879cc7956bc7b1a49c954c92f37ed297e928f96a76af8ad6e0/diff:/var/lib/docker/overlay2/c811b4bec6fd77ae542d75abed87ed3899d82c1ef3b71668013dd12a4ef2c74/diff:/var/lib/docker/overlay2/83bf92fcca223566d5c986a58519825e57f6c59c4fb39b2859b2af7c8511/diff:/var/lib/docker/overlay2/37b2eb74a78ac25953c58cd89a78472cace277c2864a39731d6cdc989386da71/diff",
        "MergedDir": "/var/lib/docker/overlay2/94613913b4f014cd84d61ea5213ab5f988492ac6b4b58ce97ec9778c6889812/merged",
        "UpperDir": "/var/lib/docker/overlay2/94613913b4f014cd84d61ea5213ab5f988492ac6b4b58ce97ec9778c6889812/diff",
        "WorkDir": "/var/lib/docker/overlay2/94613913b4f014cd84d61ea5213ab5f988492ac6b4b58ce97ec9778c6889812/work"
      }
    },
    "Name": "overlay2"
  },
  {
    "RootFS": {
      "Type": "Layers",
      "Layers": [
        "sha256:bb01hd7a32b58b6694c8c3622c230173f1cec24001a82068a8d38d338f420d6c",
        "sha256:5adcb8e8891fd191ad412dd1a5c29f99139a83ec6a8f9f9c77aa5a16c6145a5",
        "sha256:778b5d774562c1840a1c11db5acd890feb051913e3243f8674adbb88e1821a",
        "sha256:317b0b8aaac806887fff57d6db207c973fb60f9e3556e2efec28e2924ef325d",
        "sha256:c8383db669a04af46d9b1593be2b9ce11da6db251ecfab3e50a8385613088ba",
        "sha256:01832d7d38b7bec73a78f535cc561ca91aa23d119993da82c498bfbb349e76ad",
        "sha256:38a8a81e5ha9c71dd5f57eb5c1eb6f88a13d9dc3c517928e84hd7867828dad",
        "sha256:126ea30f3dcbe962c7c2aeb400ca584b2aadb7ede73de62d94516db9aadhaab",
        "sha256:7a76fanne78d78d996cwe1dd7a98bb53bb08da82e4b5cbb1a586156a1e803a",
        "sha256:8582f0d15db91865210f1a874317d51b237cf56aa7f6f78a7efe949ed7c890db",
        "sha256:6f058f055292b0382a712cc63ba7b775531f0dc01f4730e5e6bf7656bf55f9d8"
      ]
    },
    "Metadata": {
      "LastTagTime": "2023-05-12T09:41:52.961413478+02:00"
    }
  }
]
```

## Verifica TPS – Docker – Fase 2

Flask:

```
GNU nano 7.0 Dockerfile
FROM imgfase1
RUN python3 -m ensurepip
RUN python3 -m pip install flask
RUN python3 -m pip install requests
COPY fileprova.py .
CMD python3 -m flask --app fileprova.py run --host 0.0.0.0
```