

Exercício docker

Aluno: Gustavo Taufembach Bett

1) Execução de container ubuntu executando bash;

```
Windows PowerShell  docker
→ Gustavo docker container run --rm nginx bash
→ Gustavo docker container run -it --rm nginx bash
root@5de470a1b742:/# ls
]bin  docker-entrypoint.d  home  media  proc  sbin  tmp
boot  docker-entrypoint.sh  lib   mnt    root  srv   usr
dev   etc                   lib64 opt    run   sys   var
root@5de470a1b742:/# |
```

2) Container contendo um web server mapeando porta 8880:80 e acessível;

```
localhost:8080
Welcome to nginx!

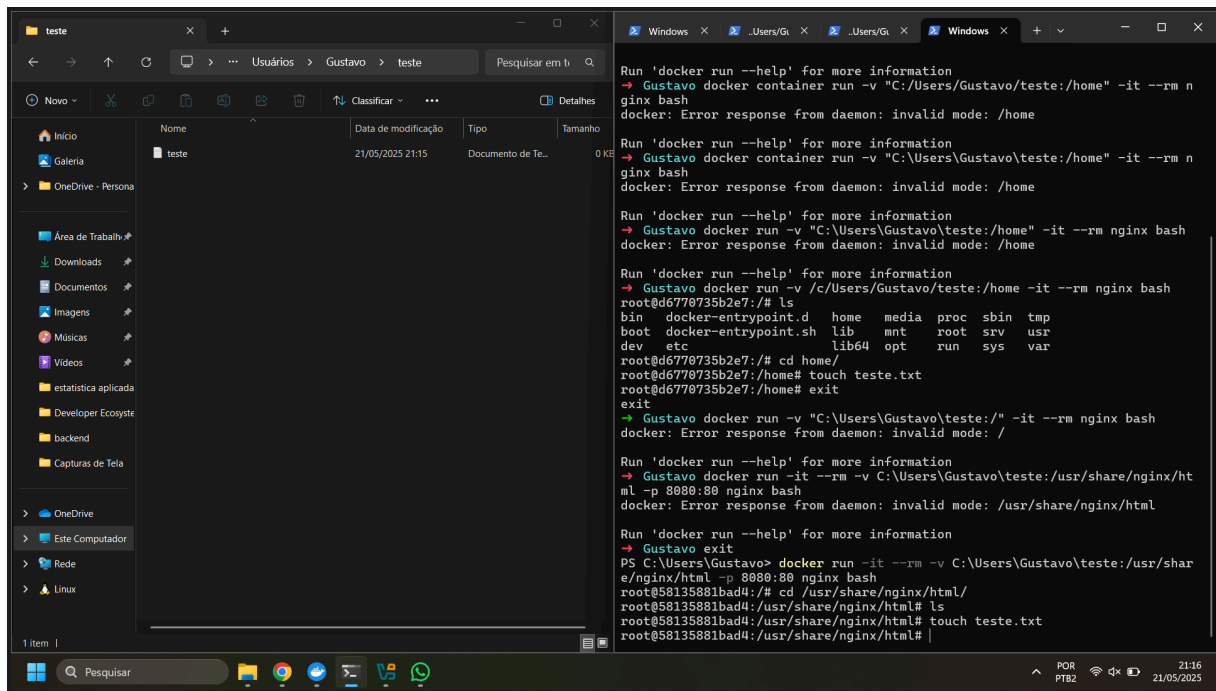
If you see this page, the nginx web server is successfully installed and
working. Further configuration is required.

For online documentation and support please refer to nginx.org.
Commercial support is available at nginx.com.

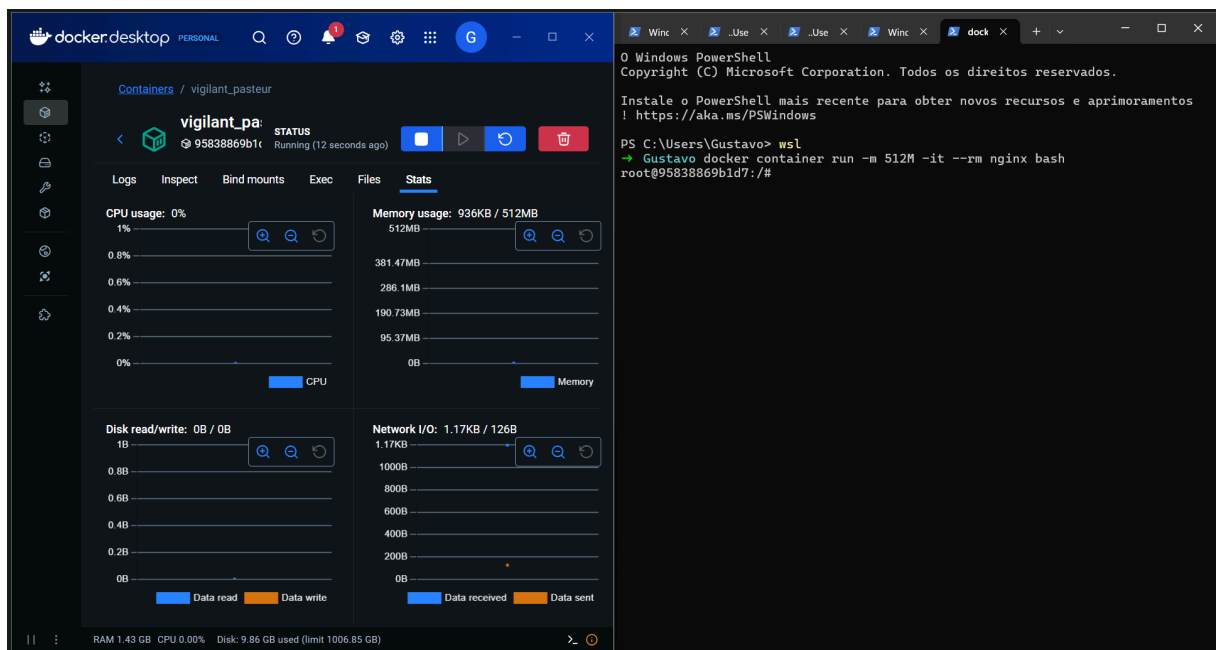
Thank you for using nginx.

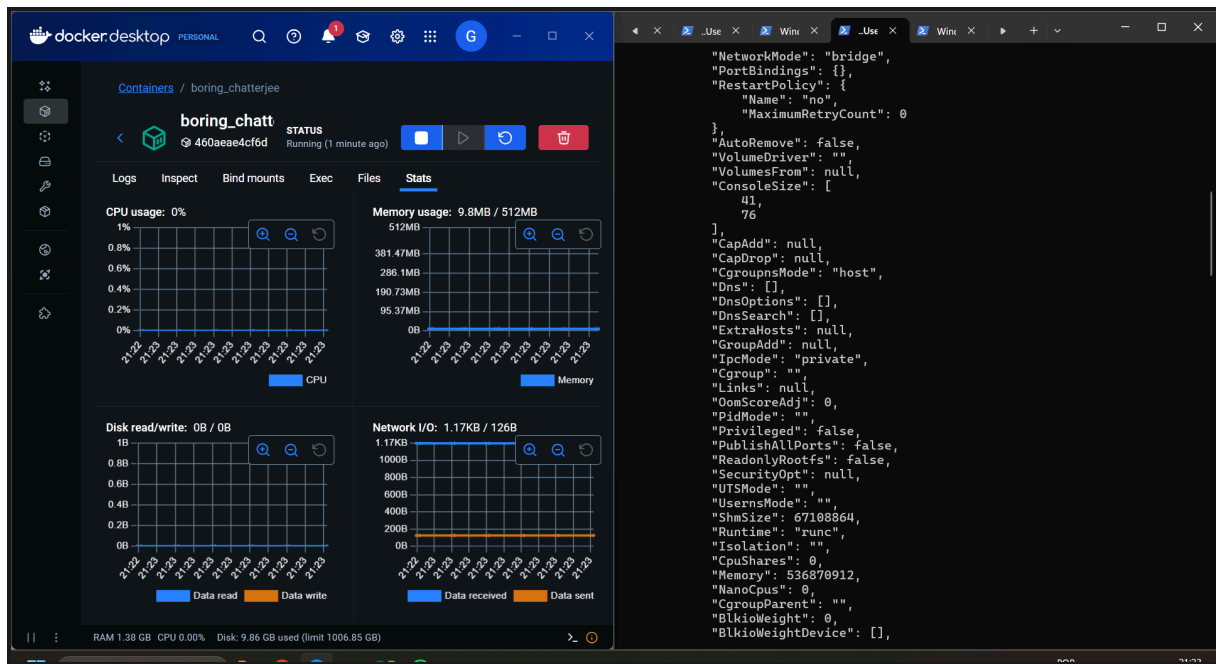
Windows PowerShell  .Users\Gustavo  docker
→ Gustavo docker container run -p 8880:80 --rm nginx
/docker-entrypoint.sh: /docker-entrypoint.d/ is not empty, will attempt to p
erform configuration
/docker-entrypoint.sh: Looking for shell scripts in /docker-entrypoint.d/
/docker-entrypoint.sh: Launching /docker-entrypoint.d/10-listen-on-ipv6-by-d
efault.sh
10-listen-on-ipv6-by-default.sh: info: Getting the checksum of /etc/nginx/co
nf.d/default.conf
10-listen-on-ipv6-by-default.sh: info: Enabled listen on IPv6 in /etc/nginx/c
onf.d/default.conf
/docker-entrypoint.sh: Sourcing /docker-entrypoint.d/15-local-resolvers.envs
h
/docker-entrypoint.sh: Launching /docker-entrypoint.d/20-envsubst-on-templat
es.sh
/docker-entrypoint.sh: Launching /docker-entrypoint.d/30-tune-worker-process
es.sh
/docker-entrypoint.sh: Configuration complete; ready for start up
2025/05/22 00:03:39 [notice] 1#1: using the "epoll" event method
2025/05/22 00:03:39 [notice] 1#1: nginx/1.27.4
2025/05/22 00:03:39 [notice] 1#1: built by gcc 12.2.0 (Debian 12.2.0-14)
2025/05/22 00:03:39 [notice] 1#1: OS: Linux 5.15.167.4-microsoft-standard-WS
L2
2025/05/22 00:03:39 [notice] 1#1: getrlimit(RLIMIT_NOFILE): 1048576:1048576
2025/05/22 00:03:39 [notice] 1#1: start worker processes
2025/05/22 00:03:39 [notice] 1#1: start worker process 29
2025/05/22 00:03:39 [notice] 1#1: start worker process 30
2025/05/22 00:03:39 [notice] 1#1: start worker process 31
2025/05/22 00:03:39 [notice] 1#1: start worker process 32
2025/05/22 00:03:39 [notice] 1#1: start worker process 33
2025/05/22 00:03:39 [notice] 1#1: start worker process 34
2025/05/22 00:03:39 [notice] 1#1: start worker process 35
2025/05/22 00:03:39 [notice] 1#1: start worker process 36
2025/05/22 00:03:39 [notice] 1#1: start worker process 37
2025/05/22 00:03:39 [notice] 1#1: start worker process 38
2025/05/22 00:03:39 [notice] 1#1: start worker process 39
2025/05/22 00:03:39 [notice] 1#1: start worker process 40
```

3) Container com mapeamento de volume;



4) Container com limitação de memória, apresentando como ficou;





5) Utilização de um Dockerfile.

The screenshot shows a web browser displaying the 'Welcome to nginx!' page, indicating that the nginx web server is successfully installed and working. The page includes instructions for further configuration and links to online documentation and support. In the background, a terminal window shows the command to run a Docker container: `docker run --rm -p 8080:80 meu-nginx:latest`. The terminal output shows the container's startup logs, including the nginx version (1.27.4) and the operating system (Debian 12.2.0-14).