

AVALIAÇÃO 10

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TELEMÁTICA - ADMINISTRAÇÃO DE SERVIÇOS DE REDES

Abaixo temos a implementação do protocolo MQTT usado em aplicações de mensageria utilizando o Play With Docker com o Docker-Compose.

02:54:07

CLOSE SESSION

Instances

ADD NEW INSTANCE

192.168.0.13
node1

192.168.0.12
node2

clogc4mf_cloh4pefml8g00fmh5o0

IP
192.168.0.12

OPEN PORT

Memory
4.40% (176MiB / 3.906GiB)

CPU
0.25%

SSH
ssh ip172-18-0-17-clogc4mfml8g00fmh4o0@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. #  
#####  
[node2] (local) root@192.168.0.12 ~  
apk add docker-compose  
fetch https://dl-cdn.alpinelinux.org/alpine/v3.18/main/x86_64/APKINDEX.tar.gz  
fetch https://dl-cdn.alpinelinux.org/alpine/v3.18/community/x86_64/APKINDEX.tar.gz  
(1/3) Installing docker-cli (23.0.6-r7)  
(2/3) Installing docker-bash-completion (23.0.6-r7)  
(3/3) Installing docker-cli-compose (2.17.3-r8)  
Executing busybox-1.36.1-r2.trigger  
OK: 543 MiB in 165 packages  
[node2] (local) root@192.168.0.12 ~  
$ vi docker-compose.yml  
[node2] (local) root@192.168.0.12 ~  
$ docker compose up  
validating /root/docker-compose.yml: services.mosquito must be a mapping  
[node2] (local) root@192.168.0.12 ~  
$ vi docker-compose.yml  
[node2] (local) root@192.168.0.12 ~  
$ docker compose up  
unable to get image 'eclipse=mosquitto': Error response from daemon: invalid reference format  
[node2] (local) root@192.168.0.12 ~  
$ vi docker-compose.yml  
[node2] (local) root@192.168.0.12 ~  
$ docker compose up  
[+] Running 4/4  
✔ mosquito 3 layers [██████] 0B/0B Pulled
```

2:53:44

CLOSE SESSION

es



INSTANCE

3

2

clogc4mf_cloh4pefml8g00fmh5o0

IP

192.168.0.12

OPEN PORT


Memory

4.38% (175.4MiB / 3.906GiB)

CPU

0.32%

SSH

ssh ip172-18-0-17-clogc4mfml8g00fmh4o0@direct.labs.pla 

DELETE

 EDITOR

```
[node2] (local) root@192.168.0.12 ~
$ vi docker-compose.yml
[node2] (local) root@192.168.0.12 ~
$ docker compose up
validating /root/docker-compose.yml: services.mosquito must be a mapping
[node2] (local) root@192.168.0.12 ~
$ vi docker-compose.yml
[node2] (local) root@192.168.0.12 ~
$ docker compose up
unable to get image 'eclipse=mosquitto': Error response from daemon: invalid reference format
[node2] (local) root@192.168.0.12 ~
$ vi docker-compose.yml
[node2] (local) root@192.168.0.12 ~
$ docker compose up
[+] Running 4/4
  ✓ mosquito 3 layers [||||] 0B/0B Pulled
    ✓ c926b61bad3b Pull complete
    ✓ a87e6a8c3b38 Pull complete
    ✓ 4e2ff55c815a Pull complete
[+] Building 0.0s (0/0)
[+] Running 1/1
  ✓ Container root-mosquitto-1 Created
Attaching to root-mosquitto-1
root-mosquitto-1 | 1701909759: mosquitto version 2.0.18 starting
root-mosquitto-1 | 1701909759: Config loaded from /mosquitto/config/mosquitto.conf.
root-mosquitto-1 | 1701909759: Starting in local only mode. Connections will only be possible from clients running on this machine.
root-mosquitto-1 | 1701909759: Create a configuration file which defines a listener to allow remote access.
root-mosquitto-1 | 1701909759: For more details see https://mosquitto.org/documentation/authentication-methods/
root-mosquitto-1 | 1701909759: Opening ipv4 listen socket on port 1883.
root-mosquitto-1 | 1701909759: Opening ipv6 listen socket on port 1883.
root-mosquitto-1 | 1701909759: Error: Address not available
root-mosquitto-1 | 1701909759: mosquitto version 2.0.18 running
```