

TECNOLOGIA EM TELEMÁTICA  
ADMINISTRAÇÃO DE SISTEMA DE REDES  
PROFESSOR: RICARDO DUARTE TAVEIRA  
ALUNO: JOSÉ DE ALENCAR DE SOUSA JÚNIOR MATRÍCULA: 20221013020093

## AVALIAÇÃO 10

```
[node1] (local) root@192.168.0.18 ~
$ 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
[node1] (local) root@192.168.0.18 ~
$ vi docker-compose.yml
[node1] (local) root@192.168.0.18 ~
$ nano docker-compose.yml
bash: nano: command not found
[node1] (local) root@192.168.0.18 ~
$ vi docker-compose.yml
[node1] (local) root@192.168.0.18 ~
$ cat docker-compose.yml
version: "3"
services:
  mosquito:
    image: eclipse-mosquitto
    network_mode: host
    volumes:
      - ./conf:/mosquitto/conf
      - ./data:/mosquitto/data
      - ./log:/mosquitto/log
[node1] (local) root@192.168.0.18 ~
$ docker compose up
[*] Running 4/4
✓ mosquito 3 layers [████] 0B/0B Pulled 2.3s
✓ c92b6b51adab Pull complete 0.2s
✓ a87e6a63b38 Pull complete 0.2s
✓ 4e2ff55c815a Pull complete 0.1s
[*] Building 0.0s (0/0) docker:default
```

```
[*] Building 0.0s (0/0) docker:default
[*] Running 1/1
✓ Container root-mosquitto-1 C... 0.1s
Attaching to root-mosquitto-1
root-mosquitto-1 | 1701883658: mosquitto version 2.0.18 starting
root-mosquitto-1 | 1701883658: Config loaded from /mosquitto/config/mosquitto.conf.
root-mosquitto-1 | 1701883658: Starting in local only mode. Connections will only be possible from clients running on this machine.
root-mosquitto-1 | 1701883658: Create a configuration file which defines a listener to allow remote access.
root-mosquitto-1 | 1701883658: For more details see https://mosquitto.org/documentation/authentication-methods/
root-mosquitto-1 | 1701883658: Opening ipv4 listen socket on port 1883.
root-mosquitto-1 | 1701883658: Opening ipv6 listen socket on port 1883.
root-mosquitto-1 | 1701883658: Error: Address not available
root-mosquitto-1 | 1701883658: mosquitto version 2.0.18 running
ACGracefully stopping... (press Ctrl+C again to force)
Aborting on container exit...
[*] Stopping 1/1
✓ Container root-mosquitto-1 S... 0.4s
canceled
[node1] (local) root@192.168.0.18 ~
$ mkdir -p /mosquitto/config
[node1] (local) root@192.168.0.18 ~
$ vi /mosquitto/config/mosquitto.conf
[node1] (local) root@192.168.0.18 ~
$ cat /m
cat: can't open '/m': No such file or directory
[node1] (local) root@192.168.0.18 ~
$ cat /mosquitto/config/mosquitto/config/mosquitto.conf
cat: can't open '/mosquitto/config/mosquitto/config/mosquitto.conf': No such file or directory
[node1] (local) root@192.168.0.18 ~
$ cat docker-compose.yml
version: "3"
services:
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    image: eclipse-mosquitto
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      - ./log:/mosquitto/log
[node1] (local) root@192.168.0.18 ~
$ vi docker-compose.yml
[node1] (local) root@192.168.0.18 ~
$ docker compose up
parsing /root/docker-compose.yml: yaml: line 3: did not find expected key
[node1] (local) root@192.168.0.18 ~
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services:
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    image: eclipse-mosquitto:2.0.18
    network_mode: host
    volumes:
      - ./conf:/mosquitto/conf
      - ./data:/mosquitto/data
      - ./log:/mosquitto/log
    ports:
      - 1883:1883
[node1] (local) root@192.168.0.18 ~
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[node1] (local) root@192.168.0.18 ~
$ vi docker-compose.yml
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$ docker compose up
parsing /root/docker-compose.yml: yaml: line 3: did not find expected key
[node1] (local) root@192.168.0.18 ~
$ ls -l
total 4
drwxr-xr-x  2 1883  1883          6 Dec  6 17:27 conf
drwxr-xr-x  2 1883  1883          6 Dec  6 17:27 data
-rw-r--r--  1 root   root         237 Dec  6 17:46 docker-compose.yml
drwxr-xr-x  2 1883  1883          6 Dec  6 17:27 log
[node1] (local) root@192.168.0.18 ~
$ cat docker-compose.yml
version: "3"
services:
  mosquito:
    image: eclipse-mosquitto:2.0.18
    volumes:
      - /mosquitto/config:/mosquitto/config

```

```

- /mosquitto/config:/mosquitto/config
- /mosquitto/data:/mosquitto/data
- /mosquitto/log:/mosquitto/log
ports:
  - 1883:1883
[node1] (local) root@192.168.0.18 ~
$ docker compose up
parsing /root/docker-compose.yml: yaml: line 3: did not find expected key
[node1] (local) root@192.168.0.18 ~
$ cat /m
cat: can't open '/m': No such file or directory
[node1] (local) root@192.168.0.18 ~
$ cat /m
media/
[node1] (local) root@192.168.0.18 ~
$ cat d
data/
[node1] (local) root@192.168.0.18 ~
$ ^C
[node1] (local) root@192.168.0.18 ~
$ vi docker-compose.yml
[node1] (local) root@192.168.0.18 ~
$ docker compose up
parsing /root/docker-compose.yml: yaml: line 3: did not find expected key
[node1] (local) root@192.168.0.18 ~
$ vi docker-compose.yml
[node1] (local) root@192.168.0.18 ~
$ docker compose up
docker:default
[+] Building 0/1
[*] Running 0/1
[*] Network root_mqtt_network Cre... 0.2s
WARN[0000] Found orphan containers ([root-mosquitto-1]) for this project. Running 2/2ved or renamed this service in your compose file, you c
k Cre... 0.2s
[*] Container root-mqtt-1 Created 0.1s
Attaching to root-mqtt-1
root-mqtt-1: 1701886421: mosquitto version 2.0.18 starting

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```

$ cat /m
cat: can't open '/m': No such file or directory
[nodes1] (local) root@192.168.0.18 ~
$ cat /m
media/ mnt/ mosquito/
[nodes1] (local) root@192.168.0.18 ~
$ cat d
data/ docker-compose.yml
[nodes1] (local) root@192.168.0.18 ~
$ AC
[nodes1] (local) root@192.168.0.18 ~
$ vi docker-compose.yml
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Attaching to root-mqtt-1
root-mqtt-1 1701886421: mosquitto version 2.0.18 starting
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root-mqtt-1 1701886421: mosquitto version 2.0.18 running
^CGracefully stopping... (press Ctrl+C again to force)
Aborting on container exit...
[*] Stopping 1/1
[*] Container root-mqtt-1 Stopped
canceled
[nodes1] (local) root@192.168.0.18 ~
$ cat docker-compose.yml
version: '3'

services:
  mqtt:
    image: eclipse-mosquitto
    ports:
      - "1883:1883"
      - "9001:9001"
    networks:
      - mqtt_network

networks:
  mqtt_network:
    driver: bridge

[nodes1] (local) root@192.168.0.18 ~
$

```