

## TECNOLOGIA EM TELEMÁTICA

### ADMINISTRAÇÃO DE SISTEMA DE REDES

**PROFESSOR:** RICARDO DUARTE TAVEIRA

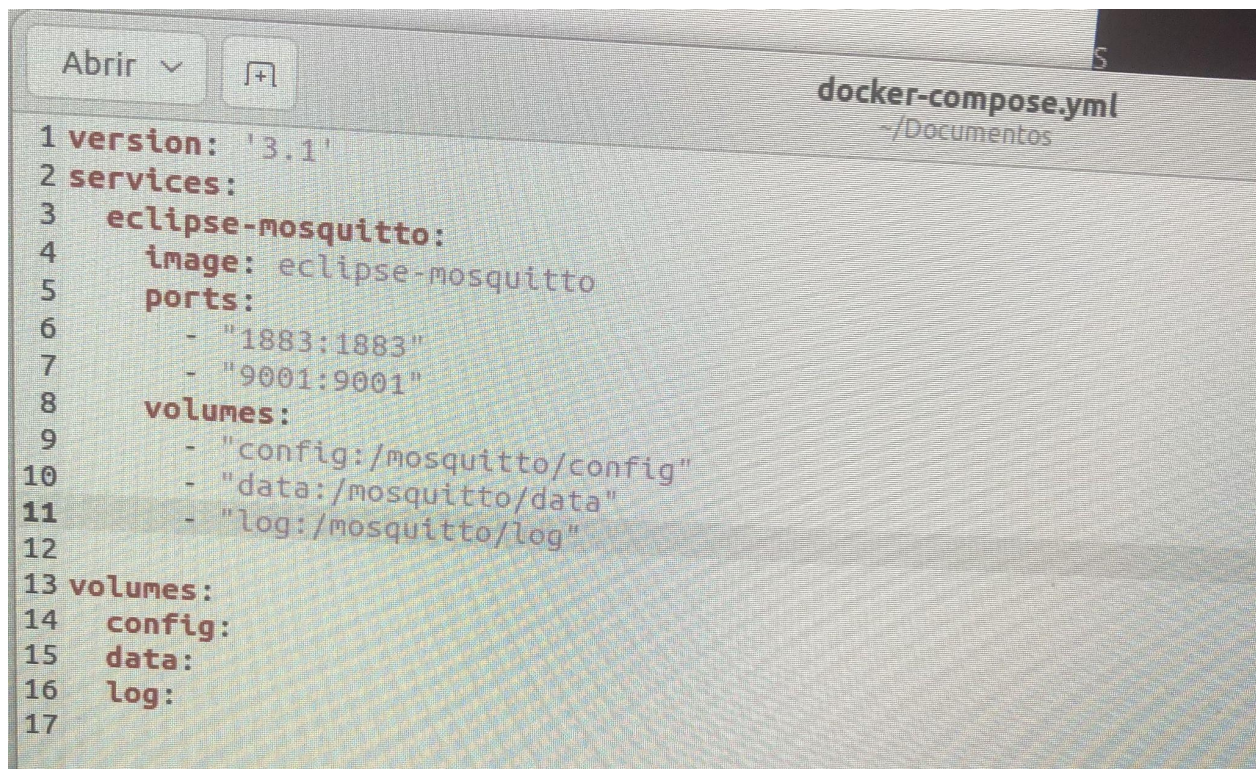
**ALUNOS:** JOSÉ DE ALENCAR DE SOUSA JÚNIOR **MATRÍCULA:** 20221013020093

**ALUNOS:** HERBERT JOHNSON BRAGA REIS **MATRÍCULA:** 20211013020312

### AVALIAÇÃO 10

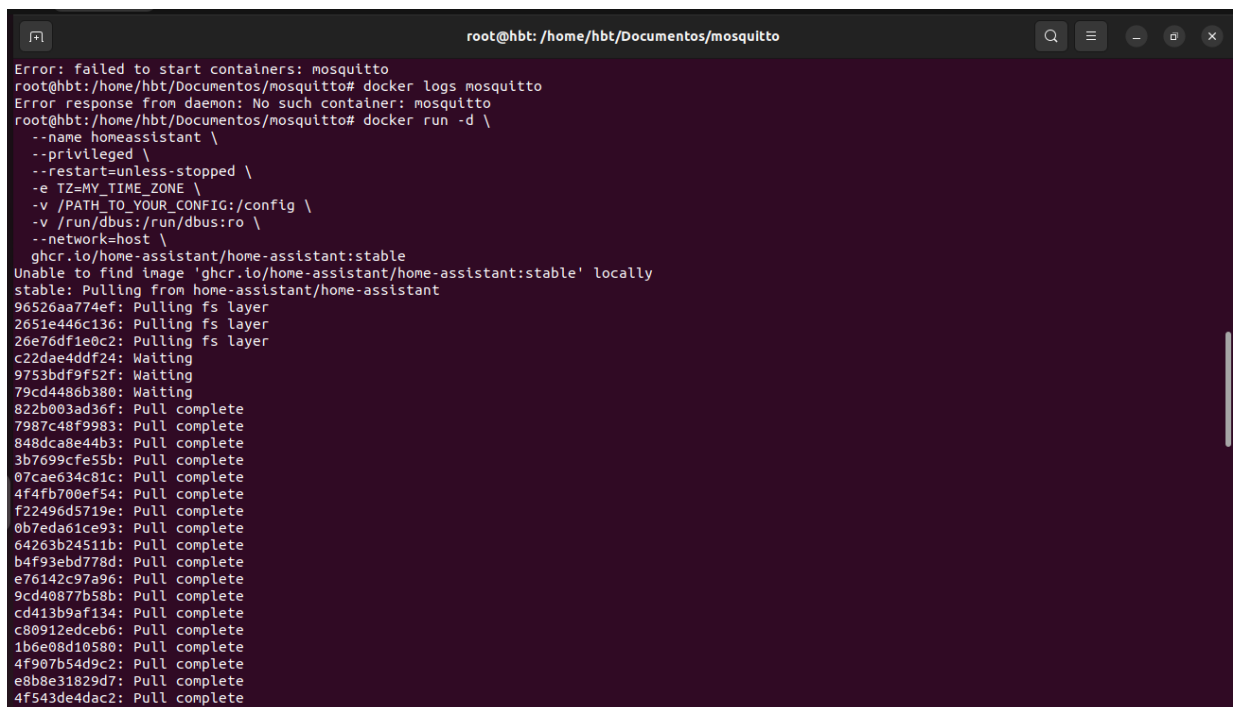
```
root@hbt: /home/hbt/Documentos
hbt@hbt:~$ su
Senha:
root@hbt:/home/hbt# docker ps
CONTAINER ID   IMAGE          COMMAND                  CREATED        STATUS        PORTS                    NAMES
52badb295585   lamp_database  "docker-entrypoint.s..." 2 weeks ago   Up 13 days    127.0.0.1:3306->3306/tcp, 33060/tcp   lamp-mysql8
root@hbt:/home/hbt# ls
'Área de Trabalho'  Documentos  Imagens  Música  snap
docker-compose-lamp  Downloads  Modelos  Público  Videos
root@hbt:/home/hbt# cd Documentos
root@hbt:/home/hbt/Documentos# ls
docker-compose.yml
root@hbt:/home/hbt/Documentos# docker-compose up
Creating network "documentos_default" with the default driver
Creating volume "documentos_config" with default driver
Creating volume "documentos_data" with default driver
Creating volume "documentos_log" with default driver
Pulling eclipse-mosquitto (eclipse-mosquitto)...
latest: Pulling from library/eclipse-mosquitto
c926b61bad3b: Pull complete
a87e6a8c3b38: Pull complete
4e2ff55c815a: Pull complete
Digest: sha256:eca7dcecf2498396b5217bc06ffcc2da889d3a8f65fc0761fc5c4c071b3c272a
Status: Downloaded newer image for eclipse-mosquitto:latest
Creating documentos_eclipse-mosquitto_1 ... done
Attaching to documentos_eclipse-mosquitto_1
eclipse-mosquitto_1 | 1701952012: mosquitto version 2.0.18 starting
eclipse-mosquitto_1 | 1701952012: Config loaded from /mosquitto/config/mosquitto.conf.
eclipse-mosquitto_1 | 1701952012: Starting in local only mode. Connections will only be possible from clients running on this machine.
eclipse-mosquitto_1 | 1701952012: Create a configuration file which defines a listener to allow remote access.
eclipse-mosquitto_1 | 1701952012: For more details see https://mosquitto.org/documentation/authentication-methods/
eclipse-mosquitto_1 | 1701952012: Opening ipv4 listen socket on port 1883.
eclipse-mosquitto_1 | 1701952012: Opening ipv6 listen socket on port 1883.
eclipse-mosquitto_1 | 1701952012: Error: Address not available
eclipse-mosquitto_1 | 1701952012: mosquitto version 2.0.18 running
```

LEVANTANDO O DOCKER-COMPOSE COM O MQTT.



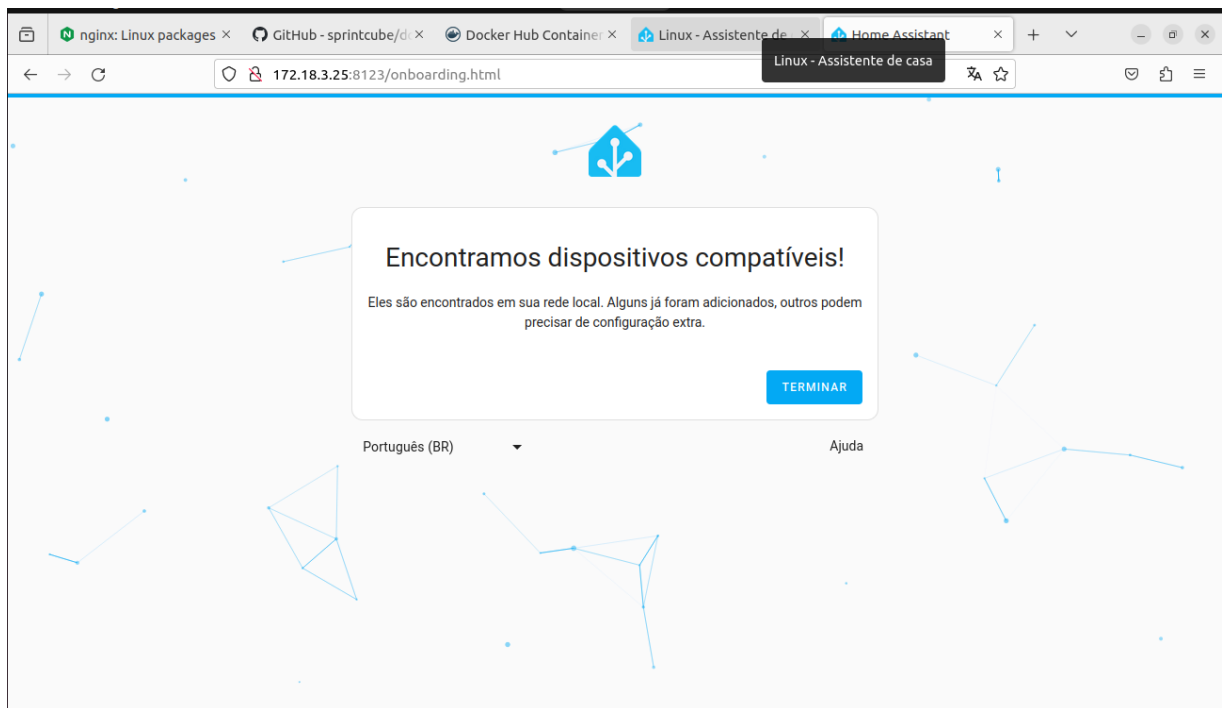
```
1 version: '3.1'
2 services:
3   eclipse-mosquitto:
4     image: eclipse-mosquitto
5     ports:
6       - "1883:1883"
7       - "9001:9001"
8     volumes:
9       - "config:/mosquitto/config"
10      - "data:/mosquitto/data"
11      - "log:/mosquitto/log"
12
13 volumes:
14   config:
15   data:
16   log:
```

DOCKER-COMPOSE.YML

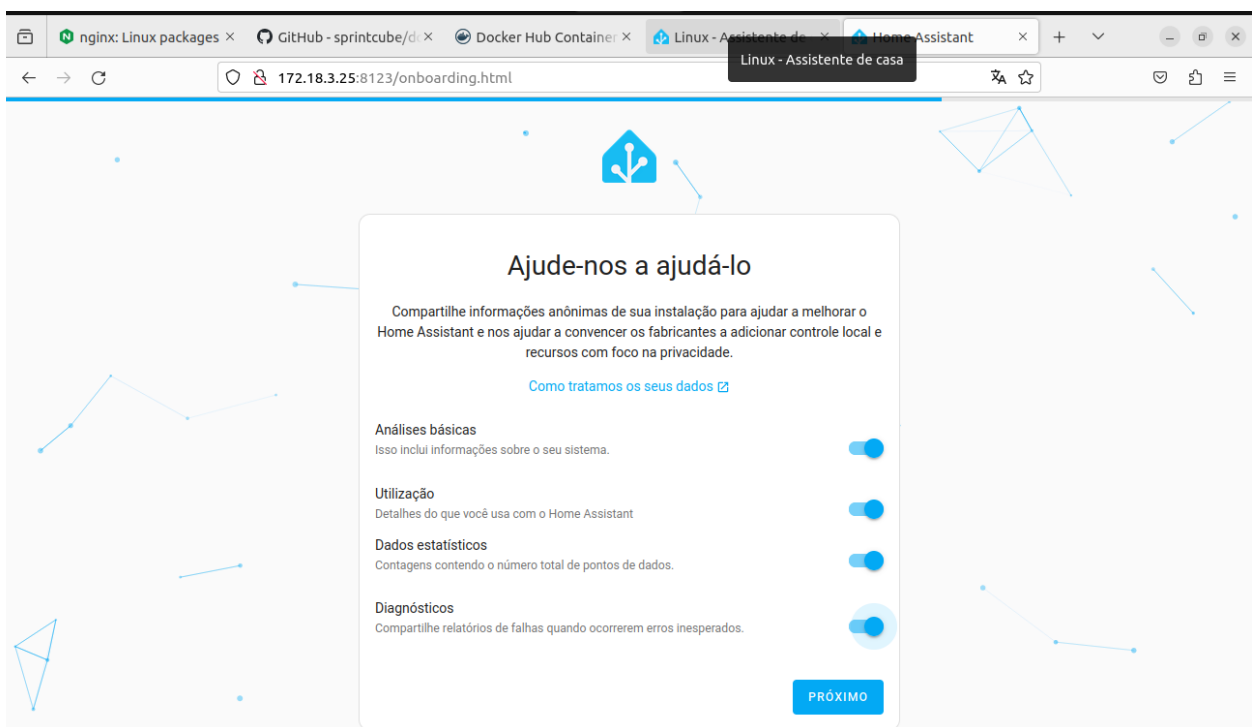


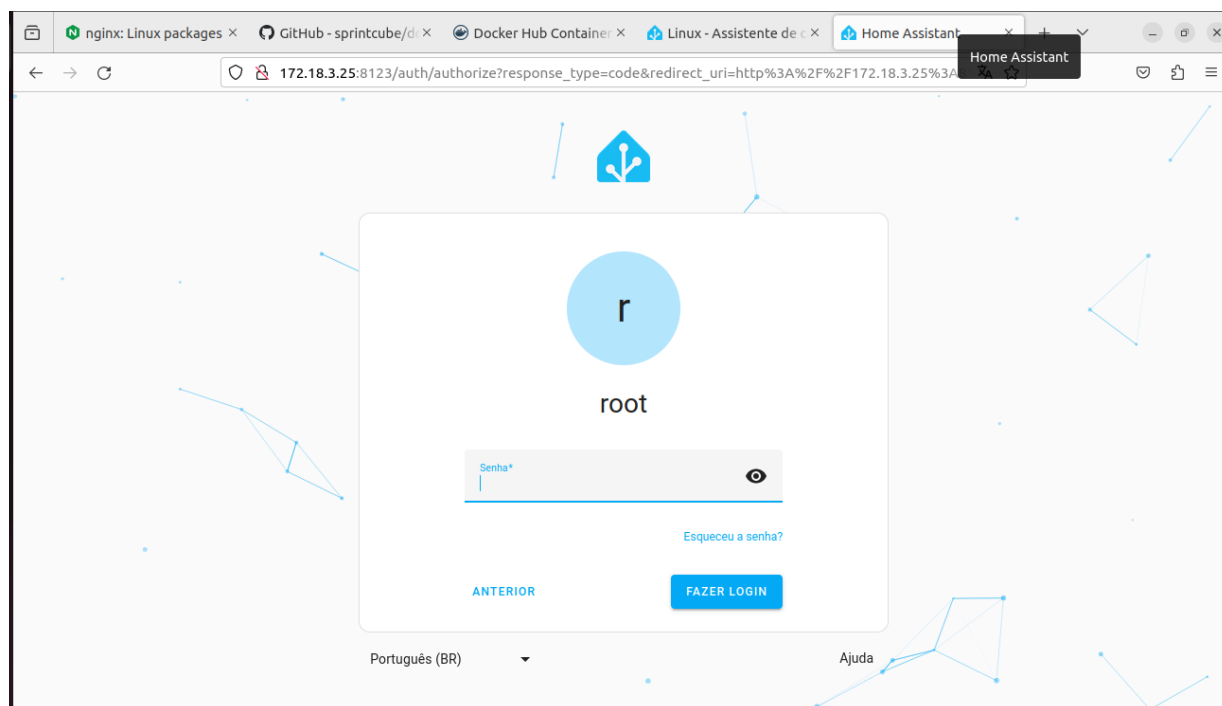
```
root@hbt: /home/hbt/Documentos/mosquitto
Error: failed to start containers: mosquitto
root@hbt:/home/hbt/Documentos/mosquitto# docker logs mosquitto
Error response from daemon: No such container: mosquitto
root@hbt:/home/hbt/Documentos/mosquitto# docker run -d \
--name homeassistant \
--privileged \
--restart=unless-stopped \
-e TZ=MY_TIME_ZONE \
-v /PATH_TO_YOUR_CONFIG:/config \
-v /run/dbus:/run/dbus:ro \
--network=host \
ghcr.io/home-assistant/home-assistant:stable
Unable to find image 'ghcr.io/home-assistant/home-assistant:stable' locally
stable: Pulling from home-assistant/home-assistant
96526aa774ef: Pulling fs layer
2651e446c136: Pulling fs layer
26e76df1e0c2: Pulling fs layer
c22dae4ddf24: Waiting
9753bdf9f52f: Waiting
79cd4486b380: Waiting
822b003ad36f: Pull complete
7987c48f9983: Pull complete
848dca8e44b3: Pull complete
3b7699cfe55b: Pull complete
07cae634c81c: Pull complete
4f4fb700ef54: Pull complete
f22496d5719e: Pull complete
0b7eda01ce93: Pull complete
64263b24511b: Pull complete
b4f93ebd778d: Pull complete
e76142c97a96: Pull complete
9cd40877b58b: Pull complete
cd413b9af134: Pull complete
c80912edceb6: Pull complete
1b6e08d10580: Pull complete
4f907b54d9c2: Pull complete
e8b8e31829d7: Pull complete
4f543de4dac2: Pull complete
```

LEVANTANDO O DOCKER-COMPOSE HOME ASSISTANT.

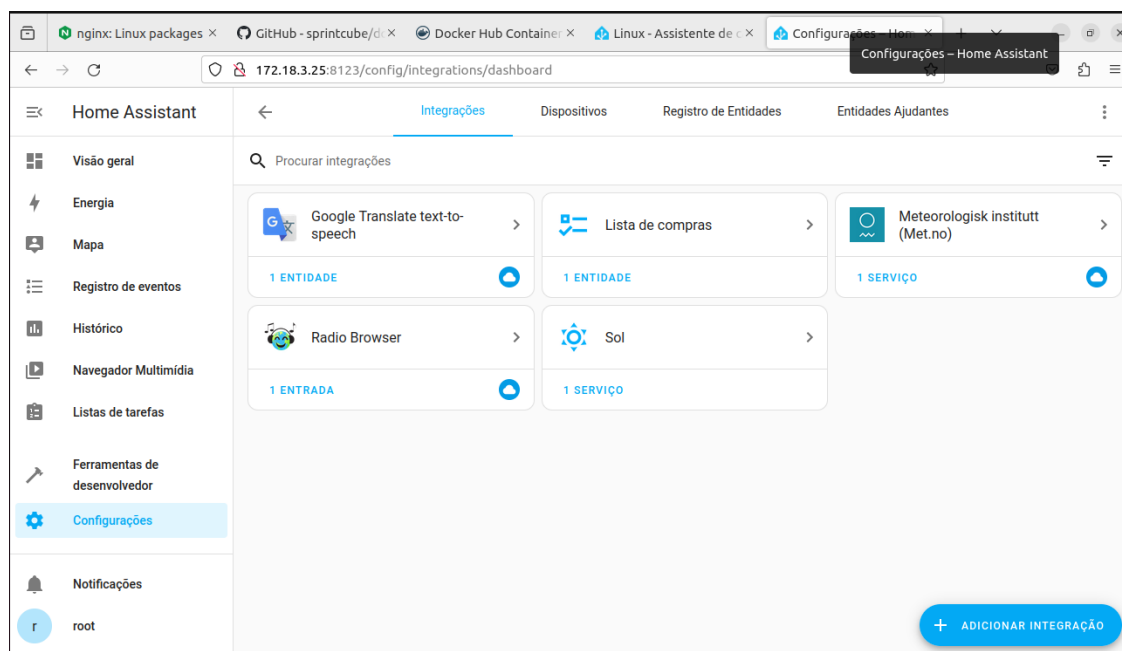


IDENTIFICANDO, VIA HOME ASSISTANT, DISPOSITIVOS IOT COMPATÍVEIS PARA DEMONSTRAÇÃO.

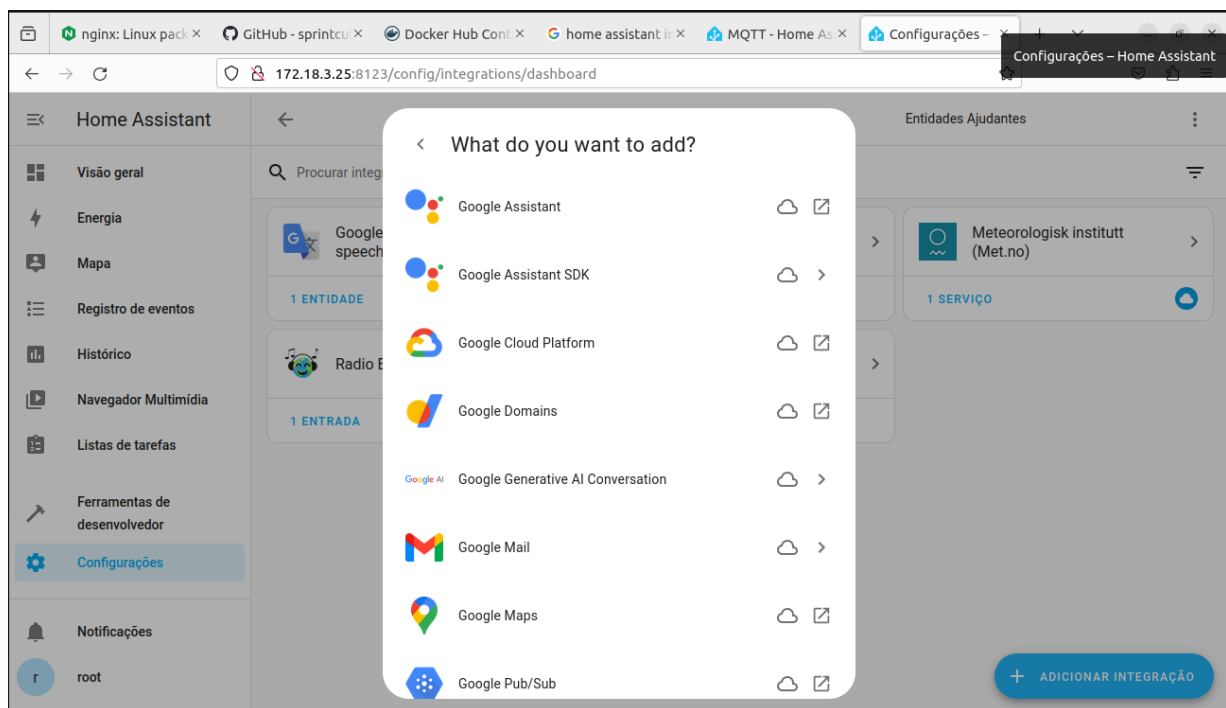




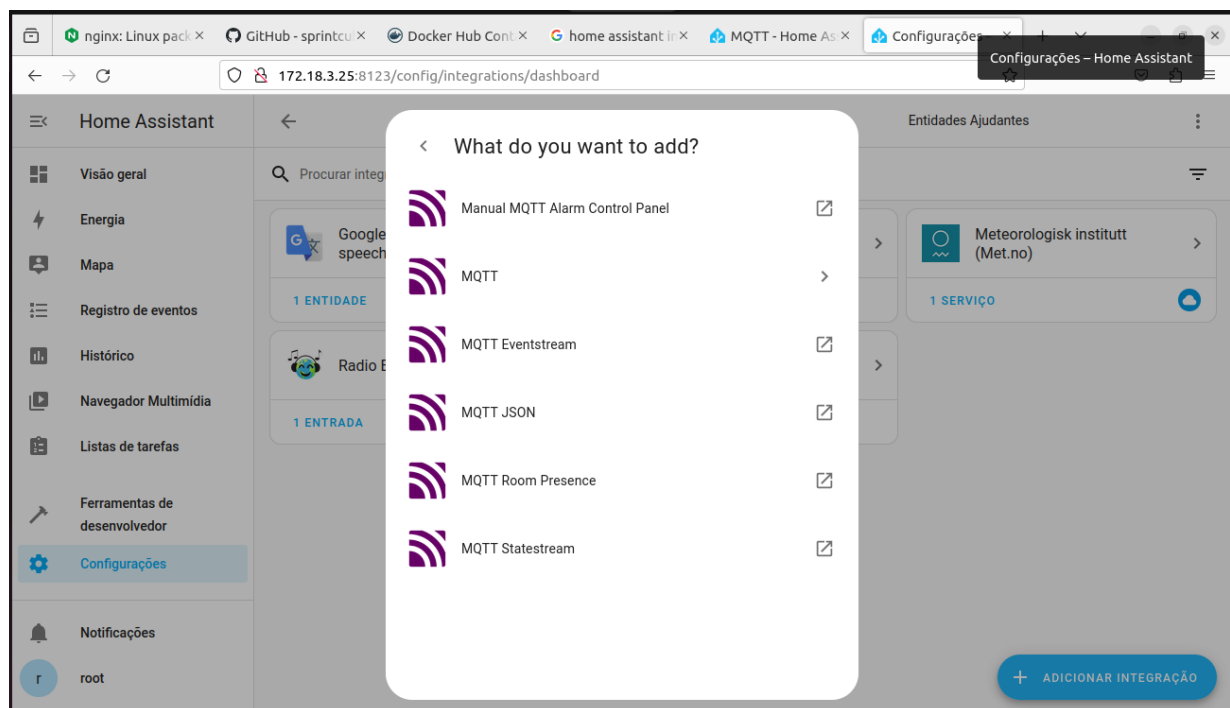
ACESSO IDENTIFICADO/SEGURO NO HOME ASSISTANT.



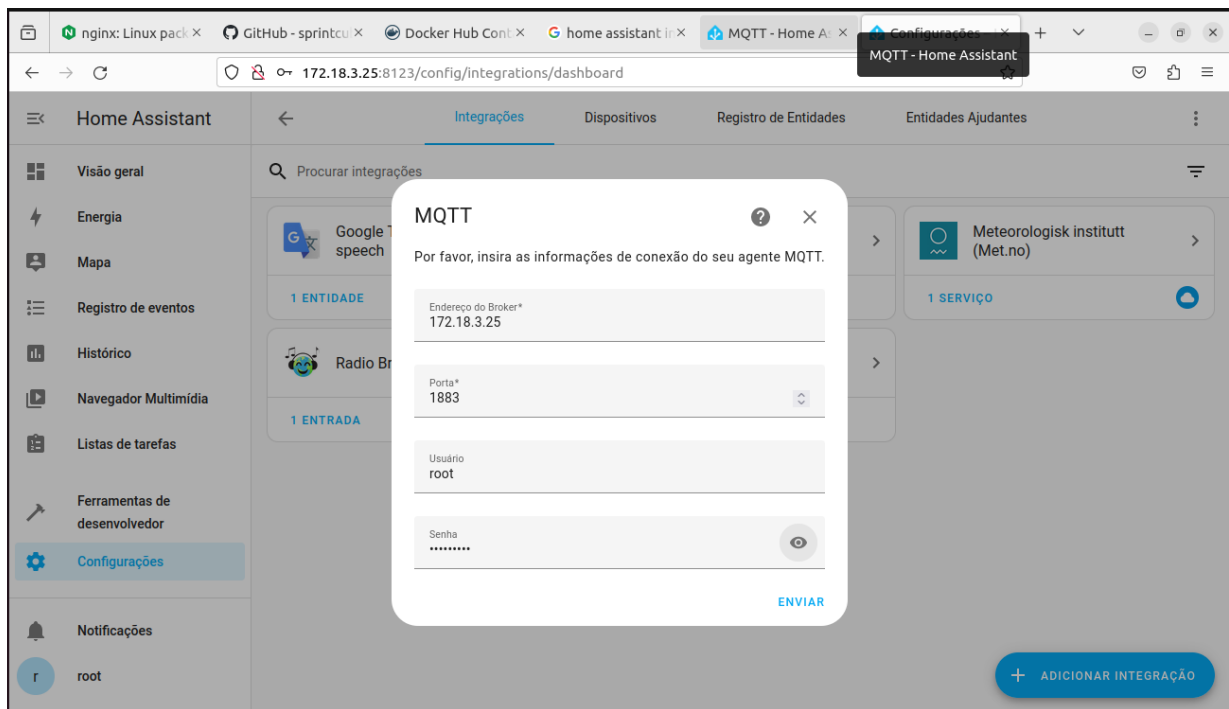
VISUALIZAÇÃO DAS INTEGRAÇÕES POSSÍVEIS.



CONTINUAÇÃO DA INTERFACE DE INTEGRAÇÃO.



MQTT DISPONÍVEL.



INFORMAÇÕES DE CONEXÃO DO MQTT.