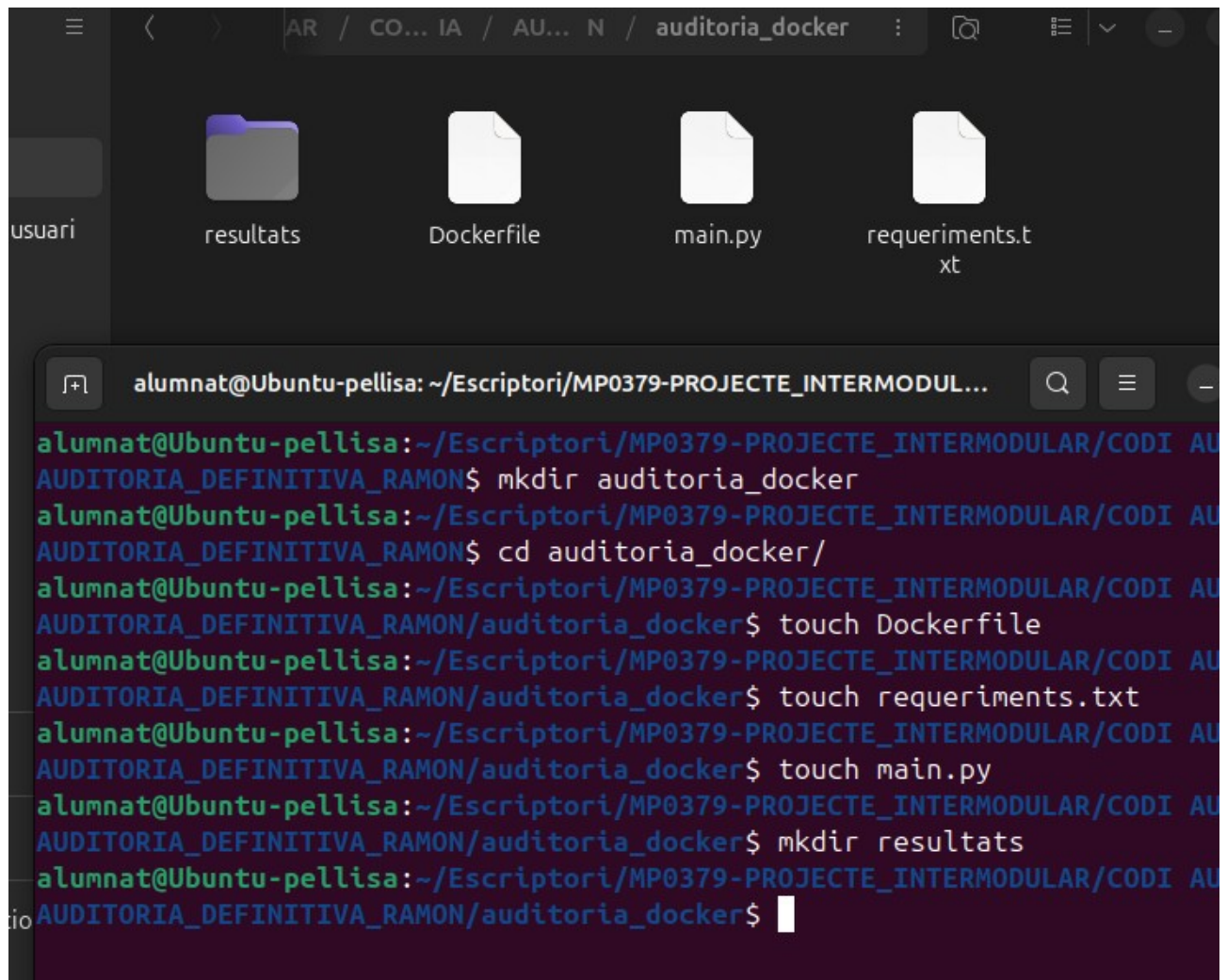


DOCKER



The image shows a file manager window at the top and a terminal window below it. The file manager displays the contents of the 'auditoria_docker' directory, which includes a folder named 'resultats' and three files: 'Dockerfile', 'main.py', and 'requeriments.txt'. The terminal window shows a user named 'alumnat' at a machine named 'Ubuntu-pellisa' performing a series of commands to set up the Docker environment. The commands include creating the 'auditoria_docker' directory, navigating into it, and creating the 'Dockerfile', 'requeriments.txt', and 'main.py' files. Finally, a 'resultats' directory is created. The terminal output is as follows:

```
alumnat@Ubuntu-pellisa: ~/Escriptori/MP0379-PROJECTE_INTERMODULAR/CODI AU
AUDITORIA_DEFINITIVA_RAMON$ mkdir auditoria_docker
alumnat@Ubuntu-pellisa:~/Escriptori/MP0379-PROJECTE_INTERMODULAR/CODI AU
AUDITORIA_DEFINITIVA_RAMON$ cd auditoria_docker/
alumnat@Ubuntu-pellisa:~/Escriptori/MP0379-PROJECTE_INTERMODULAR/CODI AU
AUDITORIA_DEFINITIVA_RAMON/auditoria_docker$ touch Dockerfile
alumnat@Ubuntu-pellisa:~/Escriptori/MP0379-PROJECTE_INTERMODULAR/CODI AU
AUDITORIA_DEFINITIVA_RAMON/auditoria_docker$ touch requeriments.txt
alumnat@Ubuntu-pellisa:~/Escriptori/MP0379-PROJECTE_INTERMODULAR/CODI AU
AUDITORIA_DEFINITIVA_RAMON/auditoria_docker$ touch main.py
alumnat@Ubuntu-pellisa:~/Escriptori/MP0379-PROJECTE_INTERMODULAR/CODI AU
AUDITORIA_DEFINITIVA_RAMON/auditoria_docker$ mkdir resultats
alumnat@Ubuntu-pellisa:~/Escriptori/MP0379-PROJECTE_INTERMODULAR/CODI AU
AUDITORIA_DEFINITIVA_RAMON/auditoria_docker$
```

```
alumnat@Ubuntu-pellisa: ~/Escriptori/MP0379-PROYECTO_INTERMODULAR/CODI AUDITORIA/A
GNU nano 7.2 Dockerfile *
FROM python:3.9-slim

ENV DEBIAN_FRONTEND=noninteractive

RUN apt-get update && apt-get install -y \
    git \
    build-essential \
    libxml2-dev \
    libxslt1-dev \
    && rm -rf /var/lib/apt/lists/*

WORKDIR /app

COPY requirements.txt /app/
RUN pip install --no-cache-dir -r requirements.txt

RUN pip install theHarvester

COPY . /app

RUN mkdir -p /app/dades

ENTRYPOINT ["python", "main.py"]
```

```
alumnat@Ubuntu-pellisa:~/Escriptori/MP0379-PROYECTO_INTERMODULAR/CODI AUDITORIA/AUDITORIA_DEFINITIVA_RAMON$ cd auditoria_docker/
alumnat@Ubuntu-pellisa:~/Escriptori/MP0379-PROYECTO_INTERMODULAR/CODI AUDITORIA/AUDITORIA_DEFINITIVA_RAMON/auditoria_docker$ docker build -t auditoria_pen2 .
[+] Building 118.5s (15/15) FINISHED          docker:default
=> [internal] load build definition from Dockerfile          0.0s
=> => transferring dockerfile: 1.76kB                        0.0s
=> [internal] load metadata for docker.io/library/python:3.9-slim 0.9s
=> [internal] load .dockerignore                            0.0s
=> => transferring context: 2B                                0.0s
=> CACHED [ 1/10] FROM docker.io/library/python:3.9-slim@sha256:2d97f691 0.0s
=> [internal] load build context                            0.0s
=> => transferring context: 65B                               0.0s
=> [ 2/10] WORKDIR /app                                     0.1s
=> [ 3/10] RUN apt-get update && apt-get install -y git build-e 48.6s
=> [ 4/10] RUN git clone https://github.com/portcullislabs/enum4linux.gi 1.0s
=> [ 5/10] RUN pip3 install ssh-audit                       2.9s
=> [ 6/10] COPY main.py /app/main.py                       0.0s
=> [ 7/10] RUN chmod +x /app/main.py                       0.2s
=> [ 8/10] RUN useradd -m -u 1000 secaudit && chown -R secaudit:seca 0.3s
=> [ 9/10] COPY requirements.txt /app/requirements.txt     0.0s
=> [10/10] RUN pip3 install --user -r requirements.txt      61.5s
=> exporting to image                                       2.8s
=> => exporting layers                                       2.8s
=> => writing image sha256:508f954e5d335c1cddb8a3520c1feb0a2f59f9343e13fa 0.0s
alumnat@Ubuntu-pellisa:~/Escriptori/MP0379-PROYECTO_INTERMODULAR/CODI AUDITORIA/AUDITORIA_DEFINITIVA_RAMON/auditoria_docker$
```

```
alumnat@Ubuntu-pellisa:~/Escriptori/MP0379-PROJECTE_INTERMODULAR/CODI AUDITORIA/auditoria_docker$ docker images
```

| IMAGE | ID | DISK USAGE | CONTENT SIZE | In Use |
|---------------------------|--------------|------------|--------------|--------|
| auditoria_pen2:latest | 508f954e5d33 | 796MB | 0B | |
| auditoria_pendrive:latest | 59a89a5657b3 | 609MB | 0B | |
| gns3/chromium:latest | 78e98070dfe2 | 750MB | 0B | |
| gns3/ipterm:latest | 21056db1c785 | 110MB | 0B | |
| gns3/ubuntu:focal | cf37c7335b09 | 124MB | 0B | |

```
alumnat@Ubuntu-pellisa:~/Escriptori/MP0379-PROJECTE_INTERMODULAR/CODI AUDITORIA/A
```

```
alumnat@Ubuntu-pellisa:~/Escriptori/MP0379-PROJECTE_INTERMODULAR/CODI AUDITORIA/AUDITORIA_D
EFINITIVA_RAMON/auditoria_docker$ docker save -o auditoria_pen2.tar auditoria_pen2
alumnat@Ubuntu-pellisa:~/Escriptori/MP0379-PROJECTE_INTERMODULAR/CODI AUDITORIA/AUDITORIA_D
EFINITIVA_RAMON/auditoria_docker$ ls
auditoria_pen2.tar  Dockerfile  main.py  requirements.txt  resultats
alumnat@Ubuntu-pellisa:~/Escriptori/MP0379-PROJECTE_INTERMODULAR/CODI AUDITORIA/AUDITORIA_D
EFINITIVA_RAMON/auditoria_docker$
```

DINS DEL USB

1 Comprova que el pendrive està muntat i veus el fitxer .tar
ls /media/ubuntu/PENDRIVE/

2 Carrega la imatge Docker al Live
docker load < /media/ubuntu/PENDRIVE/auditoria_pendrive.tar

3 Executa l'auditoria amb volum per resultats
docker run -it --rm -v /media/ubuntu/PENDRIVE/resultats:/app/dades auditoria_pendrive

CLIENT:

```
alumnat@Ubuntu-pellisa:/media/alumnat/AUDITORIA$ xhost +local:docker
non-network local connections being added to access control list
alumnat@Ubuntu-pellisa:/media/alumnat/AUDITORIA$ docker load < /media/ubuntu/PEN
DRIVE/auditoria_pendrive.tar
bash: /media/ubuntu/PENDRIVE/auditoria_pendrive.tar: El fitxer o directori no ex
isteix
alumnat@Ubuntu-pellisa:/media/alumnat/AUDITORIA$ docker load < auditoria_pendr
ive.tar
Loaded image: auditoria_pendrive:latest
alumnat@Ubuntu-pellisa:/media/alumnat/AUDITORIA$
```

```
alumnat@Ubuntu-pellisa:/media/alumnat/AUDITORIA$ docker run -it --rm \
-e DISPLAY=$DISPLAY \
-v /tmp/.X11-unix:/tmp/.X11-unix \
-v /media/ubuntu/PENDRIVE/resultats:/app/dades \
auditoria_pendrive
```

```
alumnat@Ubuntu-pellisa:/media/alumnat/AUDITORIA$ xhost +local:docker
non-network local connections being added to access control list
alumnat@Ubuntu-pellisa:/media/alumnat/AUDITORIA$ docker run -it --rm --privilege
d --network host \
-e DISPLAY=$DISPLAY \
-v /tmp/.X11-unix:/tmp/.X11-unix \
auditoria_pen2
```