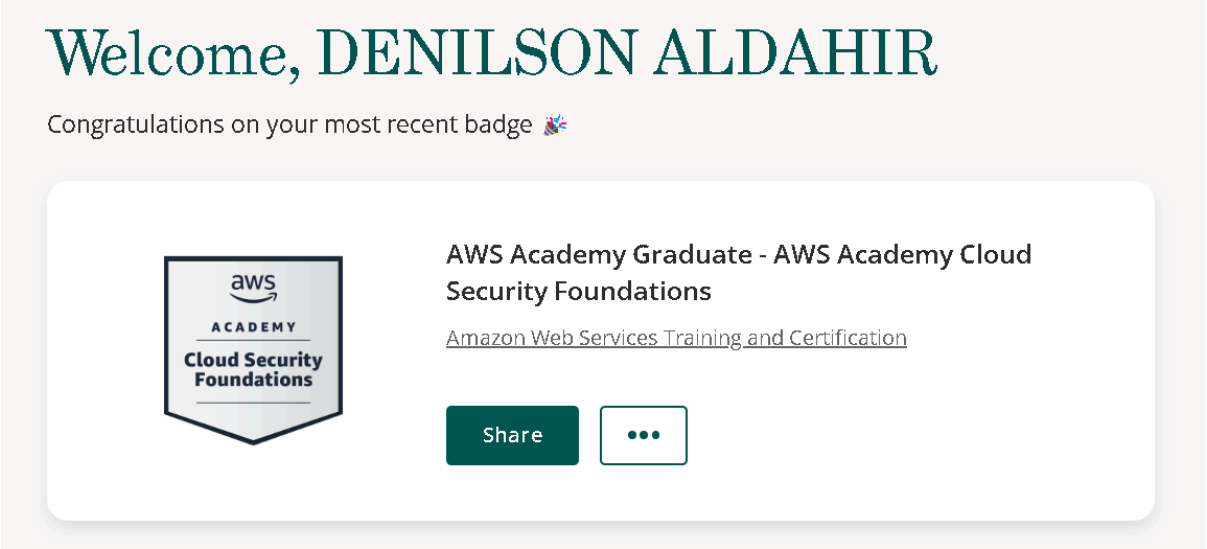
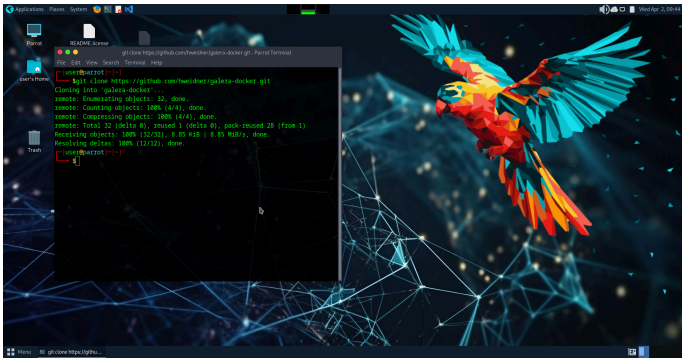
Tarea #996 Realizar el curso de AWS Security, el curso cierra el 2 de Abril

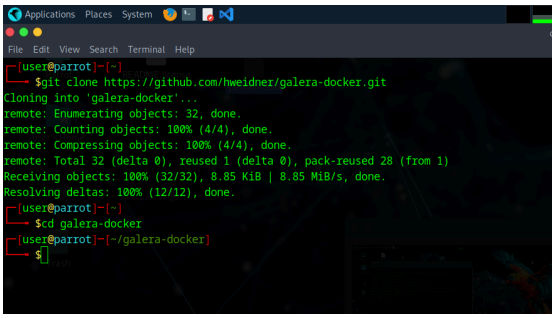


Tarea #995 Realizar el despliegue de Wordpress en HA con un LB con HAProxy y una BD sincronizada en 3 nodos. Entregar 2 de Abril

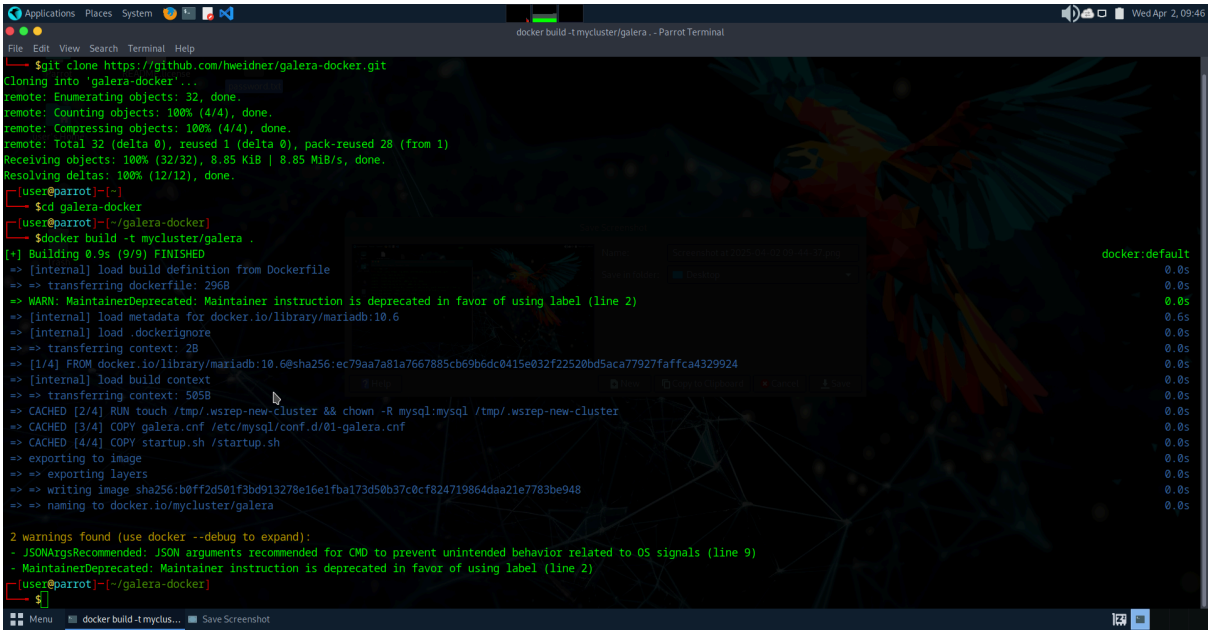
git clone https://github.com/hweidner/galera-docker.git



cd galera-docker

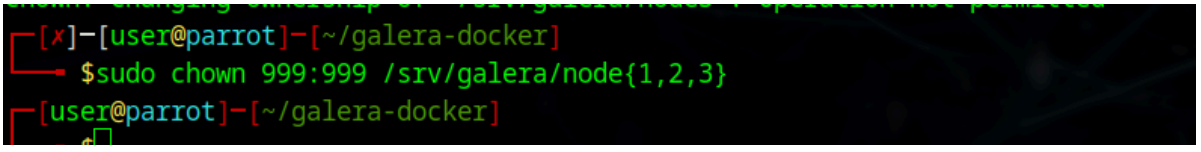


docker build -t mycluster/galera .



docker network create --subnet=172.18.0.0/16 galera

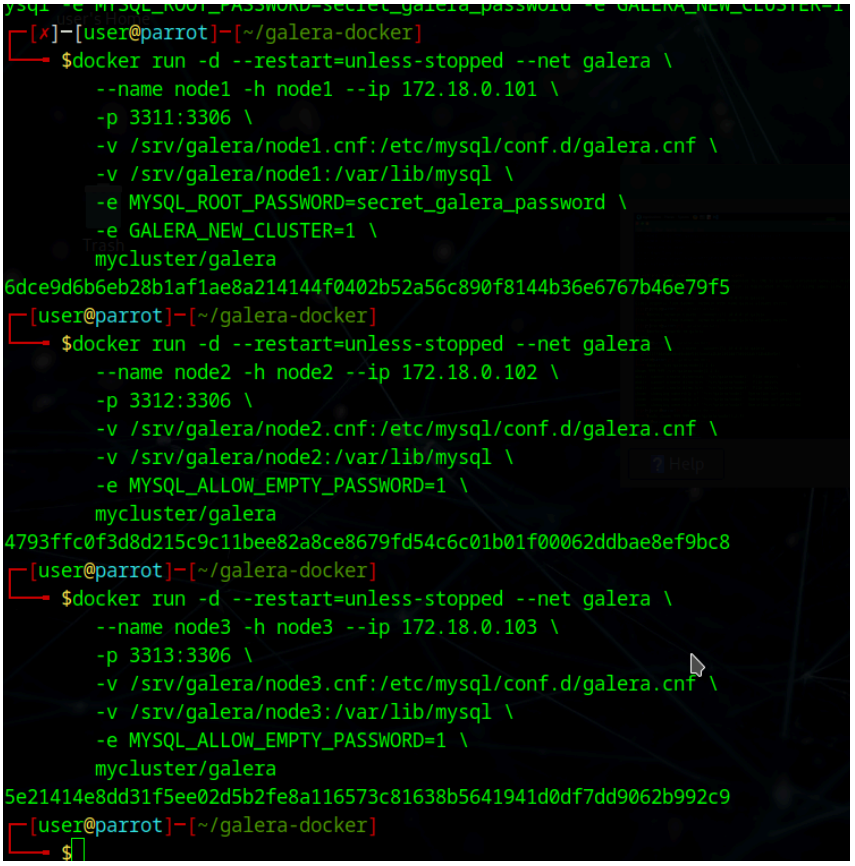
mkdir /srv/galera/node{1,2,3}
chown 999:999 /srv/galera/node{1,2,3}

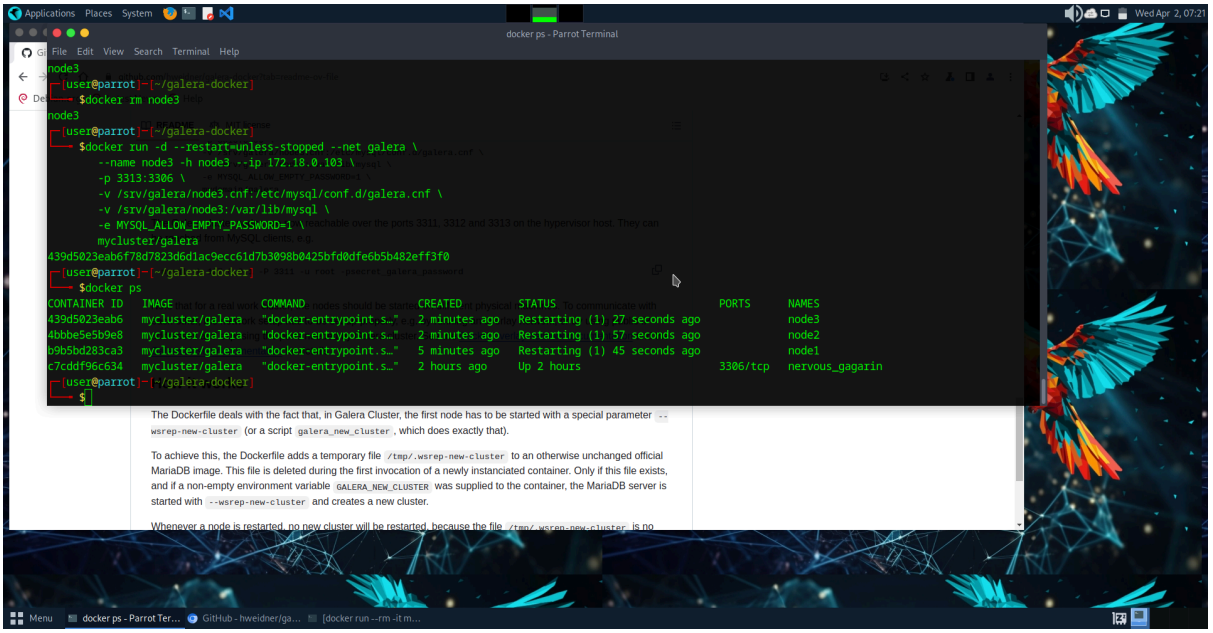


docker run -d --restart=unless-stopped --net galera \
--name node1 -h node1 --ip 172.18.0.101 \
-p 3311:3306 \
-v /srv/galera/node1.cnf:/etc/mysql/conf.d/galera.cnf \
-v /srv/galera/node1:/var/lib/mysql \

```
        -e MYSQL_ROOT_PASSWORD=secret_galera_password \
        -e GALERA_NEW_CLUSTER=1 \
        mycluster/galera
docker run -d --restart=unless-stopped --net galera \
        --name node2 -h node2 --ip 172.18.0.102 \
        -p 3312:3306 \
        -v /srv/galera/node2.cnf:/etc/mysql/conf.d/galera.cnf \
        -v /srv/galera/node2:/var/lib/mysql \
        -e MYSQL_ALLOW_EMPTY_PASSWORD=1 \
        mycluster/galera

docker run -d --restart=unless-stopped --net galera \
        --name node3 -h node3 --ip 172.18.0.103 \
        -p 3313:3306 \
        -v /srv/galera/node3.cnf:/etc/mysql/conf.d/galera.cnf \
        -v /srv/galera/node3:/var/lib/mysql \
        -e MYSQL_ALLOW_EMPTY_PASSWORD=1 \
        mycluster/galera
```




Applications Places System
Wed Apr 2, 07:21
docker ps - Parrot Terminal
File Edit View Search Terminal Help
node3
[user@parrot]-[~/galera-docker]
$docker rm node3
node3
[user@parrot]-[~/galera-docker]
$docker run -d --restart=unless-stopped --net galera \
--name node3 -h node3 --ip 172.18.0.103 \
-p 3313:3306 \
-v /srv/galera/node3.cnf:/etc/mysql/conf.d/galera.cnf \
-v /srv/galera/node3:/var/lib/mysql \
-e MYSQL_ALLOW_EMPTY_PASSWORD=1 \
mycluster/galera
439d5023eab6f78d7823d6d1ac9ecc61d7b3098b0425bfd0dfe6b5b482eff3f0
[user@parrot]-[~/galera-docker]
$docker ps
CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS NAMES
439d5023eab6 mycluster/galera "docker-entrypoint.s…" 2 minutes ago Restarting (1) 27 seconds ago node3
4bbbe5e5b9e8 mycluster/galera "docker-entrypoint.s…" 2 minutes ago Restarting (1) 57 seconds ago node2
b9b5bd283ca3 mycluster/galera "docker-entrypoint.s…" 5 minutes ago Restarting (1) 45 seconds ago node1
c7cddf96c634 mycluster/galera "docker-entrypoint.s…" 2 hours ago Up 2 hours 3306/tcp nervous_gagarin
[user@parrot]-[~/galera-docker]
$
The Dockerfile deals with the fact that, in Galera Cluster, the first node has to be started with a special parameter --wsrep-new-cluster (or a script galera_new_cluster, which does exactly that).
To achieve this, the Dockerfile adds a temporary file /tmp/.wsrep-new-cluster to an otherwise unchanged official MariaDB image. This file is deleted during the first invocation of a newly instanciated container. Only if this file exists, and if a non-empty environment variable GALERA_NEW_CLUSTER was supplied to the container, the MariaDB server is started with --wsrep-new-cluster and creates a new cluster.
Whenever a node is restarted, no new cluster will be restarted, because the file /tmp/.wsrep-new-cluster is no
Menu
docker ps - Parrot Ter…
GitHub - hweidner/ga…
[docker run --rm -it m…