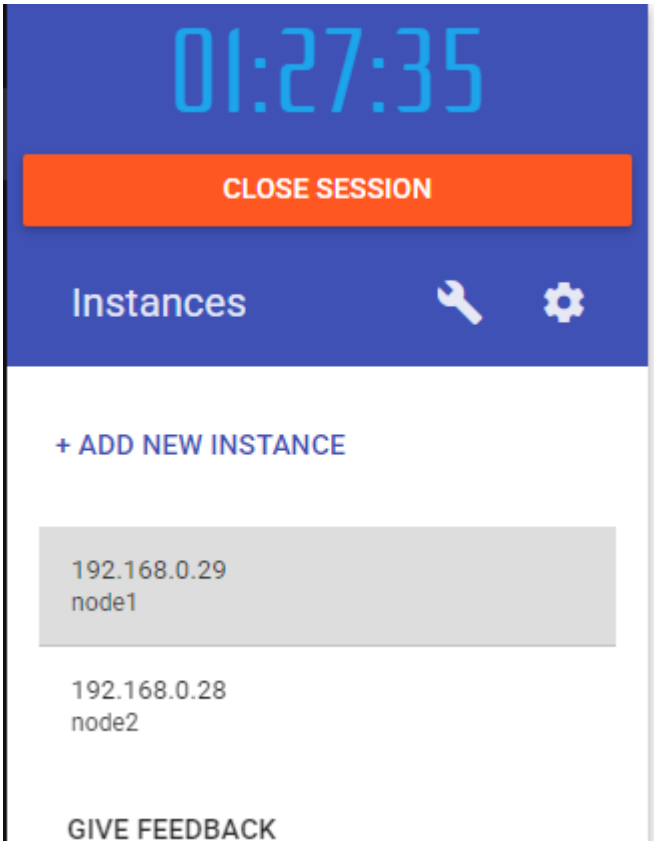
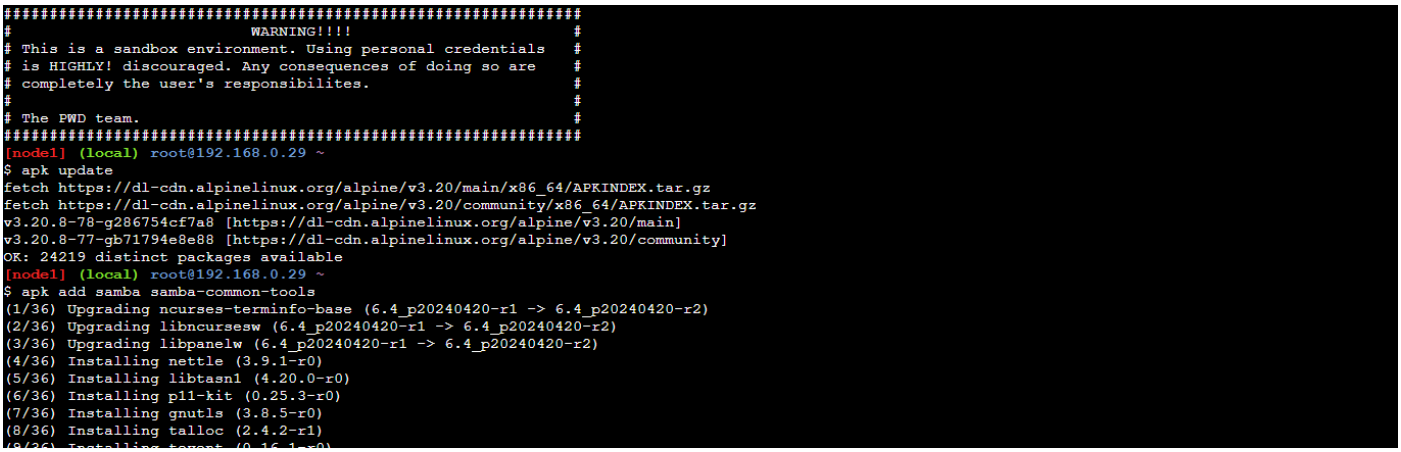
tutorial para criar duas instancias Linux no Play with Docker

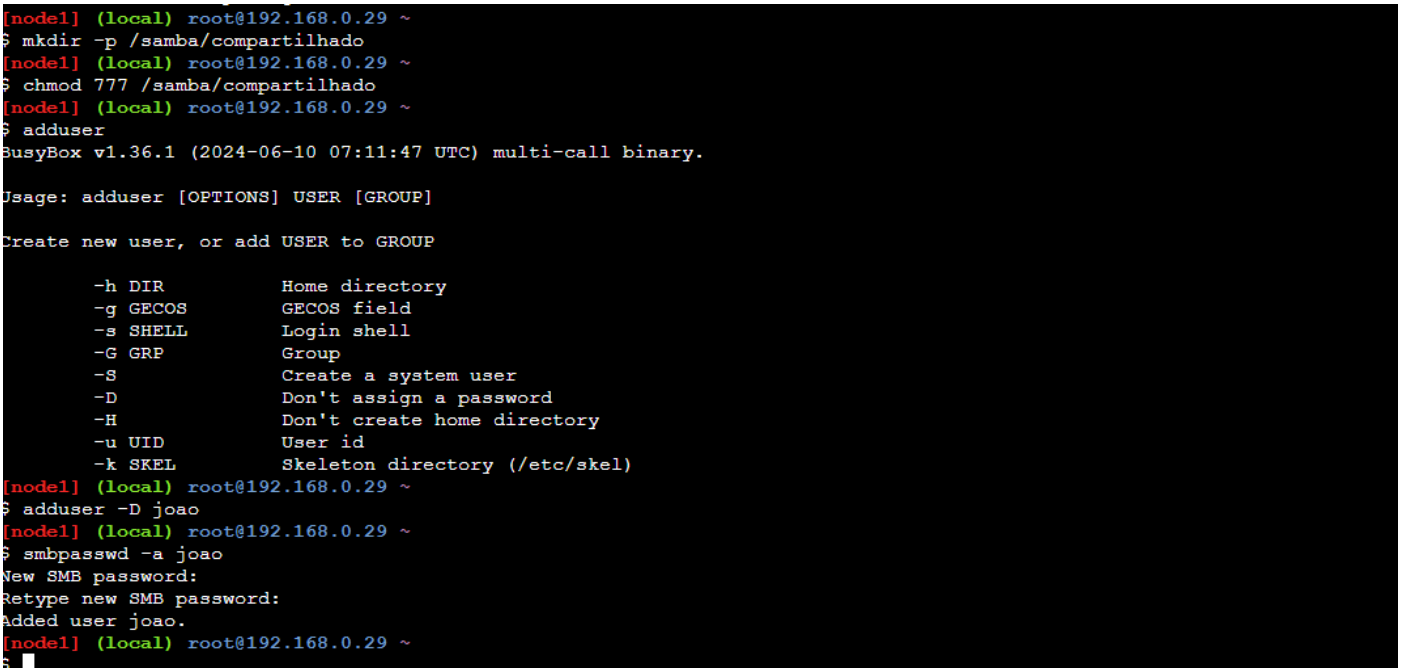
Passo_01: Vamos abrir o play with docker e criar duas instancias. A instancia 1 (node1) será nosso servidor e a 2 (node2), o cliente.



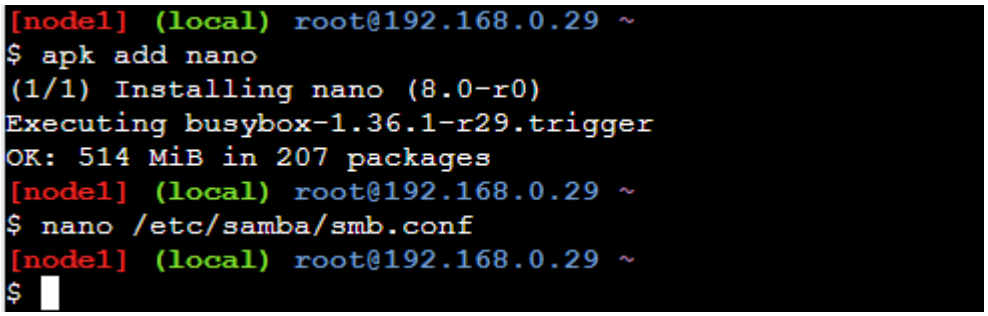
Passo_02: No servidor vamos atualizar e instalar o samba junto do samba-common-tools.



Passo_03: Criamos uma pasta compartilhada e faremos o usuário samba.



Passo_04: instalamos o nano e com ele vamos fazer o arquivo “ smb.conf ”.



OBS: quando rodar o comando, apague tudo e escreva apenas isso: “

[global]

workgroup = WORKGROUP

security = user

[Compartilhado]

path = /samba/compartilhado

browseable = yes

writable = yes

guest ok = no ” , salve com o comando CTRL+O, enter e saia com CTRL+X.

Passo_05: inicie o servidor samba(smbd e nmbd) e pegue o IP do servidor(ip a) “ no caso 192.168.0.29 ”.

```
[node1] (local) root@192.168.0.29 ~
$ smbd
[node1] (local) root@192.168.0.29 ~
$ nmbd
[node1] (local) root@192.168.0.29 ~
$ ip a
1: lo: <LOOPBACK,UP,LOWER_UP> mtu 65536 qdisc noqueue state UNKNOWN qlen 1
    link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00:00
    inet 127.0.0.1/8 scope host lo
       valid_lft forever preferred_lft forever
2: docker0: <NO-CARRIER,BROADCAST,MULTICAST,UP> mtu 1500 qdisc noqueue state DOWN
    link/ether 02:42:e5:a5:96:58 brd ff:ff:ff:ff:ff:ff
    inet 172.17.0.1/16 brd 172.17.255.255 scope global docker0
       valid_lft forever preferred_lft forever
3: br-f7e4f140145f: <NO-CARRIER,BROADCAST,MULTICAST,UP> mtu 1500 qdisc noqueue state DOWN
    link/ether 02:42:89:ce:75:09 brd ff:ff:ff:ff:ff:ff
    inet 172.19.0.1/16 brd 172.19.255.255 scope global br-f7e4f140145f
       valid_lft forever preferred_lft forever
47490: eth0@if47491: <BROADCAST,MULTICAST,UP,LOWER_UP,M-DOWN> mtu 1500 qdisc noqueue state UP
    link/ether 96:f3:a9:0a:0d:28 brd ff:ff:ff:ff:ff:ff
    inet 192.168.0.29/23 scope global eth0
       valid_lft forever preferred_lft forever
47494: eth1@if47495: <BROADCAST,MULTICAST,UP,LOWER_UP,M-DOWN> mtu 1500 qdisc noqueue state UP
    link/ether 02:42:ac:12:00:0f brd ff:ff:ff:ff:ff:ff
    inet 172.18.0.15/16 scope global eth1
       valid_lft forever preferred_lft forever
```

Passo_06: na instancia cliente (node2), atualize e instale o samba cliente.

```
[node2] (local) root@192.168.0.28 ~
apk update
fetch https://dl-cdn.alpinelinux.org/alpine/v3.20/main/x86_64/APKINDEX.tar.gz
fetch https://dl-cdn.alpinelinux.org/alpine/v3.20/community/x86_64/APKINDEX.tar.gz
v3.20.8-78-g286754cf7a8 [https://dl-cdn.alpinelinux.org/alpine/v3.20/main]
v3.20.8-77-gb71794e8e88 [https://dl-cdn.alpinelinux.org/alpine/v3.20/community]
OK: 24219 distinct packages available
[node2] (local) root@192.168.0.28 ~
$ apk add samba-client
```

Passo_07: teste se o servidor responde usando o comando “ smbclient -L //192.168.0.29 -U joao ”, depois acesse usando o comando “ smbclient //192.168.0.29/compartilhado -U joao ”, quando entrar liste os arquivos usando “ ls ”,

crie um arquivo “ put localfile.txt ”, crie uma pasta “ mkdir teste ” e saia “ quit ”.

```
[node2] (local) root@192.168.0.28 ~
$ smbclient -L //192.168.0.29 -U joao
Password for [MYGROUP\joao]:

        Sharename       Type      Comment
        ---------       ----      -------
        compartilhado   Disk
        IPC$            IPC       IPC Service (Samba 4.19.9)
SMB1 disabled -- no workgroup available
[node2] (local) root@192.168.0.28 ~
$ smbclient //192.168.0.29/compartilhado -U joao
Password for [MYGROUP\joao]:
Try "help" to get a list of possible commands.
smb: \> ls
  .                                   D        0  Wed Dec  3 03:03:34 2025
  ..                                  D        0  Wed Dec  3 03:03:34 2025

                10485760 blocks of size 1024. 10437532 blocks available
smb: \> put localfile.txt
localfile.txt does not exist
smb: \> get arquivo.txt
NT_STATUS_OBJECT_NAME_NOT_FOUND opening remote file \arquivo.txt
smb: \> mkdir teste
smb: \> quit
```

Passo_08: no servidor crie um arquivo “ echo "Servidor OK" > /samba/compartilhado/servidor.txt ”.

```
[node1] (local) root@192.168.0.29 ~
$ echo "servidor OK" > /samba/compartilhado/servidor.txt
[node1] (local) root@192.168.0.29 ~
$
```

Passo_09: no cliente entre no smbclient “ smbclient //192.168.0.29/compartilhado -U joao ” e liste os arquivos “ ls ”, assim você pode ver que o arquivo “ servidor.txt ”, que você criou no servidor, agora está no cliente.

```
[node2] (local) root@192.168.0.28 ~
$ smbclient //192.168.0.29/compartilhado -U joao
Password for [MYGROUP\joao]:
Try "help" to get a list of possible commands.
smb: \> ls
  .                                   D        0  Wed Dec  3 03:21:11 2025
  ..                                  D        0  Wed Dec  3 03:21:11 2025
  teste                               D        0  Wed Dec  3 03:20:08 2025
  servidor.txt                        N       12  Wed Dec  3 03:21:11 2025

                10485760 blocks of size 1024. 10437528 blocks available
smb: \>
```