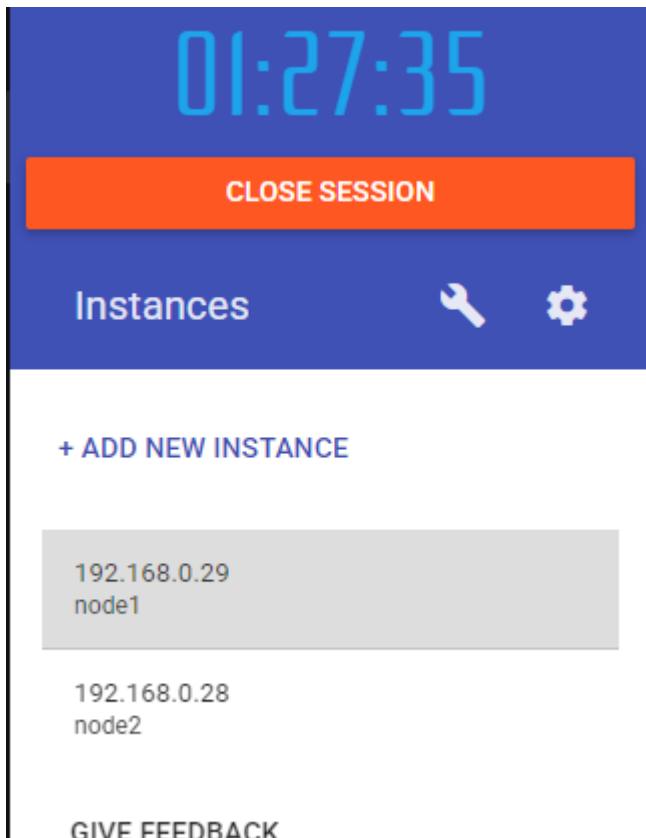


tutorial para criar duas instâncias Linux no Play with Docker

Passo_01: Vamos abrir o play with docker e criar duas instâncias. A instância 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.

```
#####
# WARNING!!!!
# This is a sandbox environment. Using personal credentials
# is HIGHLY! discouraged. Any consequences of doing so are
# completely the user's responsibilites.
#
# The PWD team.
#####
[node1] (local) root@192.168.0.29 ~
$ 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-qb71794ebe88 [https://dl-cdn.alpinelinux.org/alpine/v3.20/community]
OR: 24219 distinct packages available
[node1] (local) root@192.168.0.29 ~
$ apk add samba samba-common-tools
(1/36) Upgrading ncurses-terminfo-base (6.4_p20240420-r1 -> 6.4_p20240420-r2)
(2/36) Upgrading libcurlsew (6.4_p20240420-r1 -> 6.4_p20240420-r2)
(3/36) Upgrading libpanelw (6.4_p20240420-r1 -> 6.4_p20240420-r2)
(4/36) Installing nettle (3.9.1-r0)
(5/36) Installing libtasn1 (4.20.0-r0)
(6/36) Installing p11-kit (0.25.3-r0)
(7/36) Installing gnutls (3.8.5-r0)
(8/36) Installing talloc (2.4.2-r1)
(9/36) Installing torrent (0.16.1-r0)
```

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

```
[node1] (local) root@192.168.0.29 ~
$ mkdir -p /samba/compartilhado
[node1] (local) root@192.168.0.29 ~
$ chmod 777 /samba/compartilhado
[node1] (local) root@192.168.0.29 ~
$ adduser
BusyBox v1.36.1 (2024-06-10 07:11:47 UTC) multi-call binary.

Usage: adduser [OPTIONS] USER [GROUP]

Create new user, or add USER to GROUP

-h DIR      Home directory
-g GECOS    GECOS field
-s SHELL    Login shell
-G GRP      Group
-S          Create a system user
-D          Don't assign a password
-H          Don't create home directory
-u UID      User id
-k SKEL     Skeleton directory (/etc/skel)
[node1] (local) root@192.168.0.29 ~
$ adduser -D joao
[node1] (local) root@192.168.0.29 ~
$ smbpasswd -a joao
New SMB password:
Retype new SMB password:
Added user joao.
[node1] (local) root@192.168.0.29 ~
```

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

```
[node1] (local) root@192.168.0.29 ~
$ apk add nano
(1/1) Installing nano (8.0-r0)
Executing busybox-1.36.1-r29.trigger
OK: 514 MiB in 207 packages
[node1] (local) root@192.168.0.29 ~
$ nano /etc/samba/smb.conf
[node1] (local) root@192.168.0.29 ~
$
```

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

[global]

workgroup = WORKGROUP

security = user

[Compartilhado]

path = /samba/compartilhado

browsable = 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
.
..
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
.
..
teste
servidor.txt
10485760 blocks of size 1024. 10437528 blocks available
```

```
smb: \> []
```