

TUTORIAL – SAMBA NO PLAY WITH DOCKER

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1. Visite o endereço eletrônico do Play With Docker, um ambiente online gratuito que permite experimentar e executar comandos Docker em máquinas virtuais temporárias diretamente no navegador. Para tanto, acesse: <<https://labs.play-with-docker.com/>>.
2. Cadastre-se e faça login para conectar-se ao ambiente.
3. Crie duas instâncias. Aqui, a instância “servidor” será chamada de Instância 01 e a instância “cliente” será chamada de Instância 02.
4. Na Instância 01, insira esta sequência de comandos:

```
# Instalar Samba
apk add samba samba-common-tools

# Criar diretório compartilhado
mkdir -p /compartilhado
echo "Teste do Samba" > /compartilhado/arquivo.txt

# Criar configuração do Samba
cat > /etc/samba/smb.conf << 'EOF'
[global]
    workgroup = WORKGROUP
    security = user
    map to guest = Bad User
    guest account = nobody

[compartilhado]
    path = /compartilhado
    browseable = yes
    writable = yes
    guest ok = yes
    read only = no
    create mask = 0777
    directory mask = 0777
EOF

# Definir permissões
chmod -R 777 /compartilhado

# Iniciar Samba
smbd -D
nmbd -D

# Verificar se está rodando
ps aux | grep smbd
```

5. Na Instância 02, insira esta sequência:

```
# Na Instância 2
apk add samba-client cifs-utils

# Testar conexão
smbclient -L //192.168.0.19 -N

# Montar
mkdir -p /mnt/samba
mount -t cifs //192.168.0.19/compartilhado /mnt/samba -o guest,uid=0,gid=0

# Verificar
ls -la /mnt/samba
cat /mnt/samba/arquivo.txt

#
# Primeiro, verificar se consegue listar o compartilhamento
smbclient -L //192.168.0.19 -N

# Se funcionar, conectar interativamente
smbclient //192.168.0.19/compartilhado -N

# Dentro do smbclient, você pode usar comandos como:
# ls           - listar arquivos
# get arquivo.txt - baixar arquivo
# put arquivo - enviar arquivo
# exit         - sair
```

6. Na Instância 01, insira:

```
# Ver o conteúdo do diretório compartilhado
ls -la /compartilhado

# Ver o conteúdo de um arquivo
cat /compartilhado/arquivo.txt
```

7. Na Instância 02:

```
# Conectar ao compartilhamento
smbclient //192.168.0.19/compartilhado -N

# Dentro do smbclient:
put /etc/hostname teste_do_cliente.txt
ls
exit
```

8. Na Instância 01:

```
ls -la /compartilhado
cat /compartilhado/teste_do_cliente.txt
```

9. Ao final, a Instância 01 deverá estar assim:

The screenshot shows a Docker instance session interface. At the top, it displays the IP 192.168.0.19 and the port 10:10:19. Below the IP, there are tabs for 'OPEN PORT' and 'CPU'. The CPU usage is shown as 0.14%. On the left, there's a sidebar with 'Instances' (node1) and 'GIVE FEEDBACK'. The main area shows the terminal output of a user performing the following steps:

```
[compartilhado]
path = /compartilhado
browseable = yes
writable = yes
guest ok = yes
read only = no
create mask = 0777
directory mask = 0777
EOF
[node1] (local) root@192.168.0.19 ~
$ chmod -R 777 /compartilhado
[node1] (local) root@192.168.0.19 ~
$ smbd -D
[node1] (local) root@192.168.0.19 ~
$ nmbd -D
[node1] (local) root@192.168.0.19 ~
$ ps aux | grep smbd
1328 root      0:00 smbd -D
1332 root      0:00 [smbd-notifyd] smbd -D
1333 root      0:00 [smbd-cleanupd] smbd -D
1424 root      0:00 grep smbd
[node1] (local) root@192.168.0.19 ~
$ ls -la /compartilhado
total 4
drwxrwxrwx  2 root      root          25 Nov 27 23:50 .
drwxr-xr-x  1 root      root         111 Nov 27 23:49 ..
-rw-rw-rwx  1 root      root          15 Nov 27 23:50 arquivo.txt
[node1] (local) root@192.168.0.19 ~
$ ls -la /compartilhado
total 8
drwxrwxrwx  2 root      root          53 Nov 27 23:57 .
drwxr-xr-x  1 root      root         111 Nov 27 23:49 ..
-rw-rw-rwx  1 root      root          15 Nov 27 23:50 arquivo.txt
-rw-rw-rw-  1 nobody   nobody         6 Nov 27 23:57 teste_do_cliente.txt
[node1] (local) root@192.168.0.19 ~
$ cat /compartilhado/teste_do_cliente.txt
```

10. E a Instância 02:

The screenshot shows a Docker instance session interface. At the top, it displays the IP 192.168.0.18 and the port 10:09:57. Below the IP, there are tabs for 'OPEN PORT' and 'CPU'. The CPU usage is shown as 0.12%. On the left, there's a sidebar with 'Instances' (node1) and 'GIVE FEEDBACK'. The main area shows the terminal output of a user performing the following steps:

```
$ mkdir -p /mnt/samba
[node2] (local) root@192.168.0.18 ~
$ mount -t cifs //192.168.0.19/compartilhado /mnt/samba -o guest,uid=0,gid=0
mount: error(95): Not supported
Refer to the mount.cifs(8) manual page (e.g. man mount.cifs) and kernel log messages (dmesg)
[node2] (local) root@192.168.0.18 ~
$ smbclient -L //192.168.0.19 -N
Sharename      Type      Comment
-----        ----      -----
compartilhado  Disk      IPC Service (Samba 4.19.9)
SMB1 disabled -- no workgroup available
[node2] (local) root@192.168.0.18 ~
$ smbclient //192.168.0.19/compartilhado -N
Try "help" to get a list of possible commands.
smb: \> ls
.
D          0 Thu Nov 27 23:50:01 2025
..
D          0 Thu Nov 27 23:50:01 2025
arquivo.txt      N       15 Thu Nov 27 23:50:01 2025
.
D          0 Thu Nov 27 23:57:37 2025
..
arquivo.txt      N       15 Thu Nov 27 23:50:01 2025
teste_do_cliente.txt    A        6 Thu Nov 27 23:57:37 2025
.
10485760 blocks of size 1024. 10434604 blocks available
smb: \> smbclient //192.168.0.19/compartilhado -N
smbclient: command not found
smb: \> put /etc/hostname teste_do_cliente.txt
putting file /etc/hostname as \teste_do_cliente.txt (2.9 kb/s) (average 2.9 kb/s)
smb: \> ls
.
D          0 Thu Nov 27 23:57:37 2025
..
arquivo.txt      N       15 Thu Nov 27 23:50:01 2025
teste_do_cliente.txt    A        6 Thu Nov 27 23:57:37 2025
.
10485760 blocks of size 1024. 10435272 blocks available
smb: \> exit
[node2] (local) root@192.168.0.18 ~
$
```

