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TECNOLOGIA EM TELEMÁTICA

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Atividade Servidor FTP.

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FORTALEZA/CE

2024

1) Instalar e configurar um Servidor FTP: foi escolhido o SAMBA.

1º passo.

```
osboxes@osboxes:~$ sudo apt install samba
[sudo] password for osboxes:
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following additional packages will be installed:
  attr libboost-thread1.83.0 libcephfs2 librbd1 librsync0
  python3-markdown python3-samba python3-talisman samba-dsdb-modules
  samba-vfs-modules tdb-tools
Suggested packages:
  python3-trio python3-aiquiric python3-h2 python3-lldb-tools ntp
  | chrony winbind heimdal-clients
The following NEW packages will be installed:
```

Instale-o utilizando o seguinte comando: **sudo apt install samba**

2º passo.

```
osboxes@osboxes:~$ sudo cp /etc/samba/smb.conf /etc/samba/smb.conf.backup
```

Use o comando este comando para criar um backup para o arquivo de configuração: **sudo cp /etc/samba/smb.conf /etc/samba/smb.conf.backup**

3º passo.

Edite o arquivo de configuração usando o comando abaixo e inclua as instruções a seguir:

sudo nano /etc/samba/smb.conf

```
osboxes@osboxes:~$ sudo nano /etc/samba/smb.conf
```

Instruções:

[Compartilhamento]

#local da pasta usada para

path = /srv/samba/compartilhamento

#usuário adicionado para teste

compartilhamentovalid users = teste

read only = no

browsable = yes

```
osboxes@osboxes:~$ sudo nano /etc/samba/smb.conf
GNU nano 7.2 /etc/samba/smb.conf
guest ok = no
# Uncomment to allow remote administration of Windows print drivers.
# You may need to replace 'lpadmin' with the name of the group your
# admin users are members of.
# Please note that you also need to set appropriate Unix permissions
# to the drivers directory for these users to have write rights in it
; write list = root, @lpadmin

[Compartilhamento]
path = /srv/samba/compartilhamento
valid users = teste
read only = no
browsable = yes
```

4º passo.

Crie essa pasta com o comando:

```
osboxes@osboxes:~$ sudo mkdir -p /srv/samba/compartilhamento
```

sudo mkdir -p /srv/samba/compartilhamento

5º passo.

Edite a configuração de permissão dentro dessa pasta:

```
osboxes@osboxes:~$ sudo chmod 0777 /srv/samba/compartilhamento
```

sudo chmod 0777 /srv/samba/compartilhamento

6º passo.

Crie o usuário e senha do usuário que irá acessar a pasta compartilhada usando o comando:

```
osboxes@osboxes:~$ sudo adduser teste
info: Adding user `teste' ...
info: Selecting UID/GID from range 1000 to 59999 ...
info: Adding new group `teste' (1002) ...
info: Adding new user `teste' (1002) with group `teste (1002)' ...
info: Creating home directory `/home/teste' ...
info: Copying files from `/etc/skel' ...
New password:
Retype new password:
passwd: password updated successfully
Changing the user information for teste
Enter the new value, or press ENTER for the default
  Full Name []:
  Room Number []:
  Work Phone []:
  Home Phone []:
  Other []:
Is the information correct? [Y/n] Y
info: Adding new user `teste' to supplemental / extra groups `users' ...
info: Adding user `teste' to group `users' ...
```

sudo adduser teste

7º passo.

Para adicionar um usuário e senha ao banco de dados de senhas do **SAMBA**:

```
osboxes@osboxes:~$ sudo smbpasswd -a teste
```

sudo smbpasswd -a teste #teste é o nome do usuário

8º passo.

Reinicie os serviços do SAMBA para aplicar as

```
osboxes@osboxes:~$ sudo systemctl restart smbd
```

alterações:**sudo systemctl restart smbd**

```
osboxes@osboxes:~$ sudo systemctl restart nmbd
```

sudo systemctl restart nmbd

9º passo.

Verifique o status desses serviços:

```
osboxes@osboxes:~$ sudo systemctl status nmbd
● nmbd.service - Samba NMB Daemon
   Loaded: loaded (/usr/lib/systemd/system/nmbd.service; enabled)
   Active: active (running) since Tue 2024-08-27 18:32:34 EDT; 1min 11s ago
     Docs: man:nmbd(8)
           man:samba(7)
           man:smb.conf(5)
  Process: 42742 ExecCondition=/usr/share/samba/ls-configur
 Main PID: 42746 (nmbd)
    Status: "nmbd: ready to serve connections..."
     Tasks: 1 (limit: 7242)
    Memory: 3.0M (peak: 3.3M)
       CPU: 182ms
    CGroup: /system.slice/nmbd.service
```

sudo systemctl status nmbd

```
osboxes@osboxes:~$ sudo systemctl status smbd
● smbd.service - Samba SMB Daemon
   Loaded: loaded (/usr/lib/systemd/system/smbd.service; enabled)
   Active: active (running) since Tue 2024-08-27 18:32:34 EDT; 1min 11s ago
     Docs: man:smbd(8)
           man:samba(7)
           man:smb.conf(5)
  Process: 42723 ExecCondition=/usr/share/samba/ls-con
 Main PID: 42726 (smbd)
    Status: "smbd: ready to serve connections..."
     Tasks: 3 (limit: 7242)
    Memory: 7.5M (peak: 7.7M)
       CPU: 169ms
    CGroup: /system.slice/smbd.service
           └─42726 /usr/sbin/smbd --foreground --no-pr
```

sudo systemctl status smbd

10º passo.

Pegue seu IP digitando

```
osboxes@osboxes:~$ ip a
1: lo: <LOOPBACK,UP,LOWER_UP> mtu 65536 qdisc noqueue
   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
   inet6 ::1/128 scope host noprefixroute
       valid_lft forever preferred_lft forever
2: enp0s3: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500
   link/ether 08:00:27:7c:99:74 brd ff:ff:ff:ff:ff:ff
   inet 192.168.101.11/24 brd 192.168.101.255 scope eth0
       valid_lft 83798sec preferred_lft 83798sec
   inet6 fe80::ca42:66cd:eb04:58d3/64 scope link no
       valid_lft forever preferred_lft forever
osboxes@osboxes:~$
```

comando: **ip a** ou **ifconfig**

11º passo.

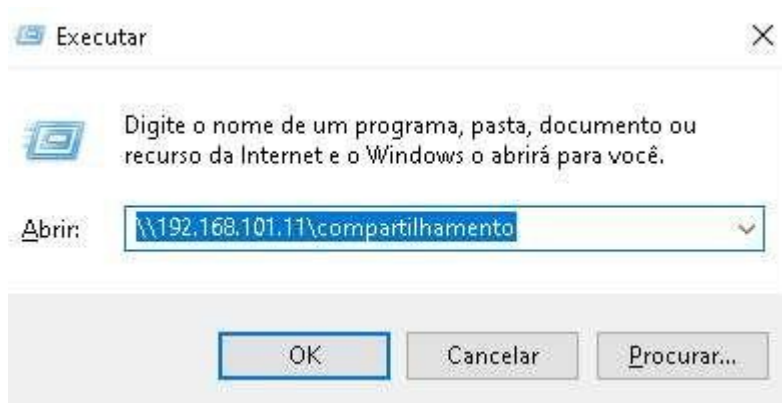
Se tiver com o antivírus ufw permita o tráfego de dados

```
osboxes@osboxes:~$ sudo ufw allow Samba
Skipping adding existing rule
Skipping adding existing rule (v6)
```

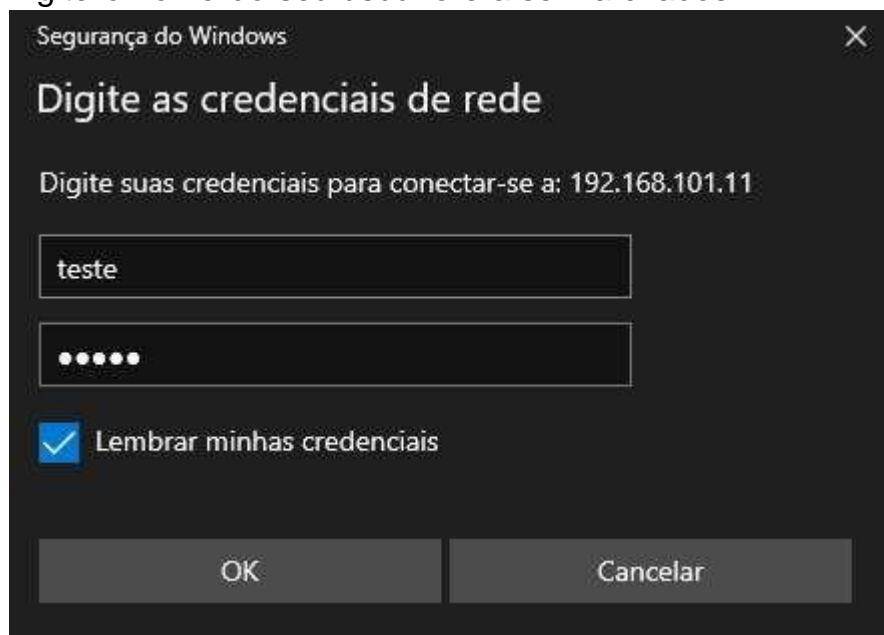
Samba:**sudo ufw allow Samba**

10º passo.

Abra o executar (atalho Win+R) e digite **\\seu_ip_do_linux\compartilhamento**



Digite o nome do seu usuário e a senha criados



Agora é possível utilizar a pasta de compartilhamento para salvar arquivos, diretórios e etc.