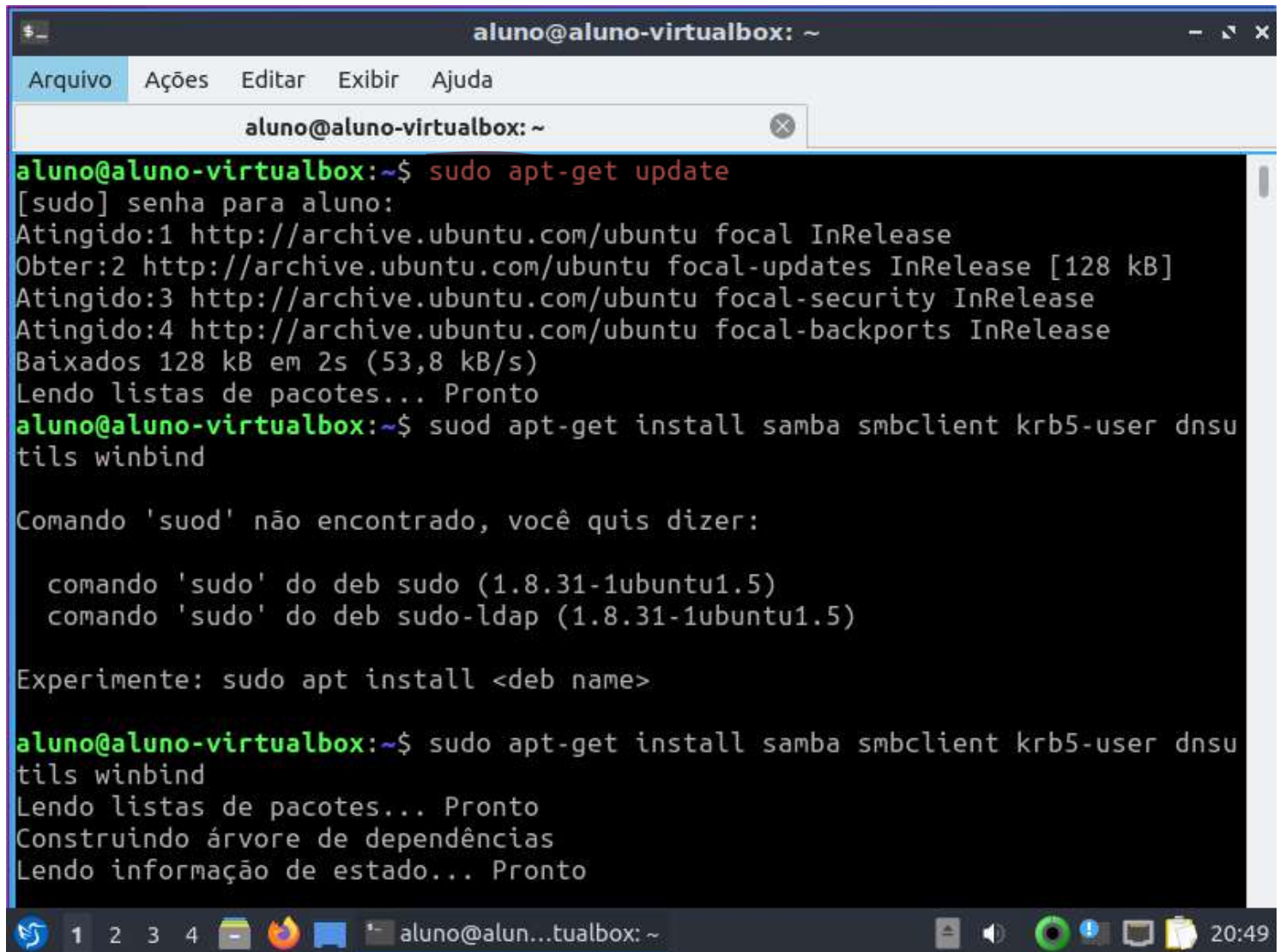


Antes de iniciar a instalação do Samba, é uma boa prática atualizar a lista de pacotes do sistema para garantir que está sendo instalado as versões mais recentes dos softwares disponíveis.



```
aluno@aluno-virtualbox: ~  
Arquivo  Ações  Editar  Exibir  Ajuda  
aluno@aluno-virtualbox: ~  
aluno@aluno-virtualbox:~$ sudo apt-get update  
[sudo] senha para aluno:  
Atingido:1 http://archive.ubuntu.com/ubuntu focal InRelease  
Obter:2 http://archive.ubuntu.com/ubuntu focal-updates InRelease [128 kB]  
Atingido:3 http://archive.ubuntu.com/ubuntu focal-security InRelease  
Atingido:4 http://archive.ubuntu.com/ubuntu focal-backports InRelease  
Baixados 128 kB em 2s (53,8 kB/s)  
Lendo listas de pacotes... Pronto  
aluno@aluno-virtualbox:~$ sudo apt-get install samba smbclient krb5-user dnsu  
tils winbind  
Comando 'sudo' não encontrado, você quis dizer:  
  
comando 'sudo' do deb sudo (1.8.31-1ubuntu1.5)  
comando 'sudo' do deb sudo-ldap (1.8.31-1ubuntu1.5)  
  
Experimente: sudo apt install <deb name>  
aluno@aluno-virtualbox:~$ sudo apt-get install samba smbclient krb5-user dnsu  
tils winbind  
Lendo listas de pacotes... Pronto  
Construindo árvore de dependências  
Lendo informação de estado... Pronto
```

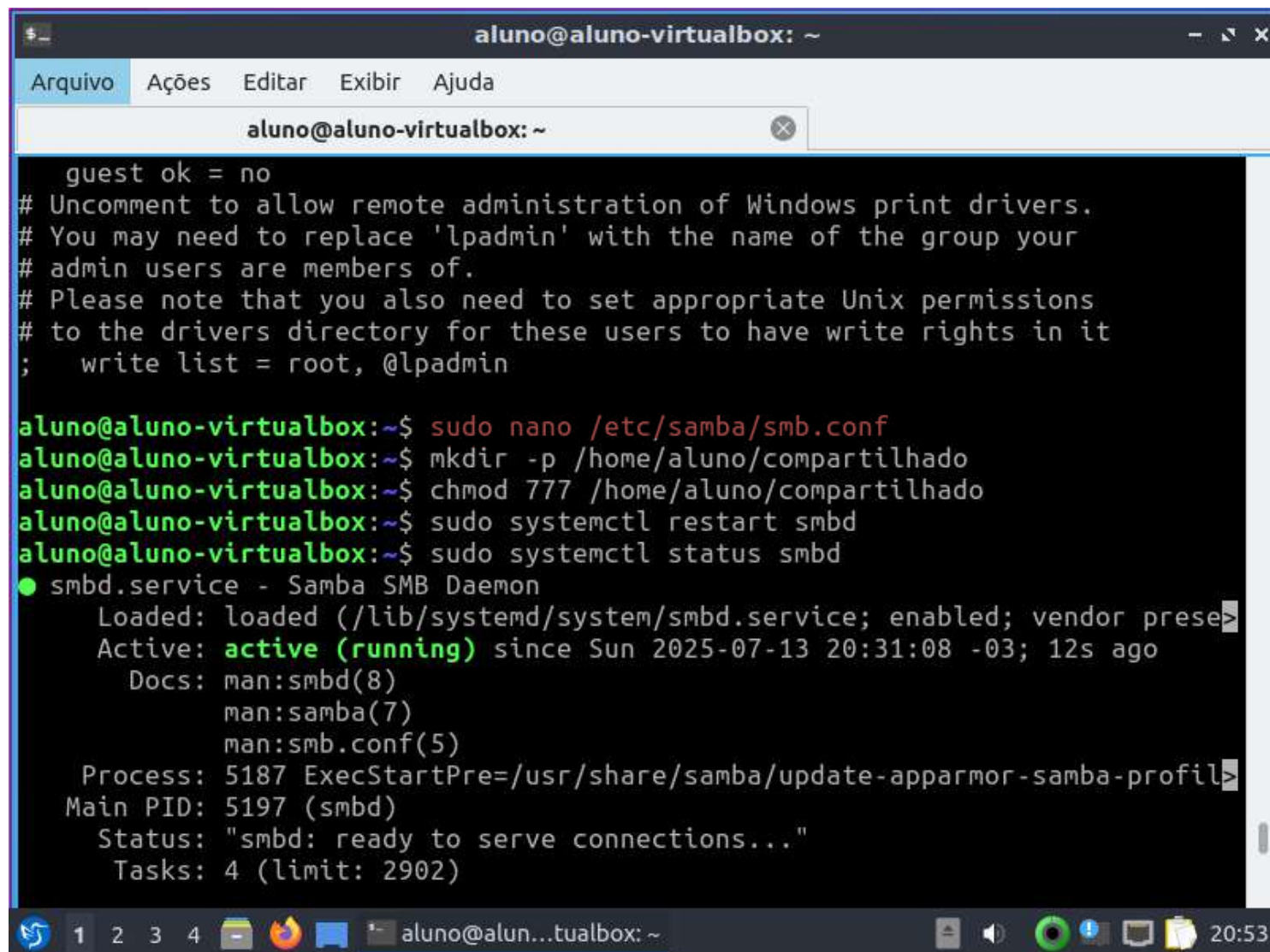
Instalar o pacote Samba na máquina

```
aluno@aluno-virtualbox: ~  
Arquivo  Ações  Editar  Exibir  Ajuda  
aluno@aluno-virtualbox: ~  
aluno@aluno-virtualbox:~$ sudo apt-get install samba smbclient krb5-user dnsutils winbind  
Lendo listas de pacotes... Pronto  
Construindo árvore de dependências  
Lendo informação de estado... Pronto  
Os pacotes adicionais seguintes serão instalados:  
  attr ibverbs-providers krb5-config libcephfs2 libgssapi-krb5-2 libgssrpc4  
  libibverbs1 libk5crypto3 libkadm5clnt-mit11 libkadm5srv-mit11 libkdb5-9  
  libkrb5-3 libkrb5support0 libldb2 librados2 librdmacm1 libsmbclient  
  libtalloc2 libtdb1 libtevent0 libwbclient0 python3-crypto  
  python3-dnspython python3-gpg python3-ldb python3-markdown  
  python3-packaging python3-pygments python3-pyparsing python3-samba  
  python3-talloc python3-tdb samba-common samba-common-bin  
  samba-dsdb-modules samba-libs samba-vfs-modules tdb-tools  
Pacotes sugeridos:  
  krb5-k5tls krb5-doc python-markdown-doc python-pygments-doc  
  ttf-bitstream-vera python-pyparsing-doc bind9 bind9utils ctdb ldb-tools  
  ntp | chrony smbldap-tools heimdal-clients cifs-utils libnss-winbind  
  libpam-winbind  
Os NOVOS pacotes a seguir serão instalados:  
  attr dnsutils ibverbs-providers krb5-config krb5-user libcephfs2  
  libgssrpc4 libibverbs1 libkadm5clnt-mit11 libkadm5srv-mit11 libkdb5-9  
  librados2 librdmacm1 python3-crypto python3-dnspython python3-gpg
```

Criar um backup do arquivo de configuração original, para que possa restaurá-lo em caso de problemas.

```
aluno@aluno-virtualbox: ~  
Arquivo  Ações  Editar  Exibir  Ajuda  
aluno@aluno-virtualbox: ~  
Created symlink /etc/systemd/system/multi-user.target.wants/nmbd.service → /lib/systemd/system/nmbd.service.  
Failed to preset unit: Unit file /etc/systemd/system/samba-ad-dc.service is masked.  
/usr/bin/deb-systemd-helper: error: systemctl preset failed on samba-ad-dc.service: No such file or directory  
Created symlink /etc/systemd/system/multi-user.target.wants/smbd.service → /lib/systemd/system/smbd.service.  
samba-ad-dc.service is a disabled or a static unit, not starting it.  
Configurando winbind (2:4.15.13+dfsg-0ubuntu0.20.04.8) ...  
mkdir: foi criado o diretório '/var/lib/samba/winbindd_privileged'  
alterado o grupo de '/var/lib/samba/winbindd_privileged' de root para winbindd_priv  
modo de '/var/lib/samba/winbindd_privileged' alterado de 0755 (rwxr-xr-x) para 0750 (rwxr-x---)  
Created symlink /etc/systemd/system/multi-user.target.wants/winbind.service → /lib/systemd/system/winbind.service.  
A processar 'triggers' para systemd (245.4-4ubuntu3.15) ...  
A processar 'triggers' para man-db (2.9.1-1) ...  
A processar 'triggers' para libc-bin (2.31-0ubuntu9.2) ...  
A processar 'triggers' para ufw (0.36-6ubuntu1.1) ...  
aluno@aluno-virtualbox:~$ sudo cp /etc/samba/smb.conf /etc/samba/smb.conf.bkp  
aluno@aluno-virtualbox:~$
```


Abrir o arquivo de configuração com um editor de texto como o nano.



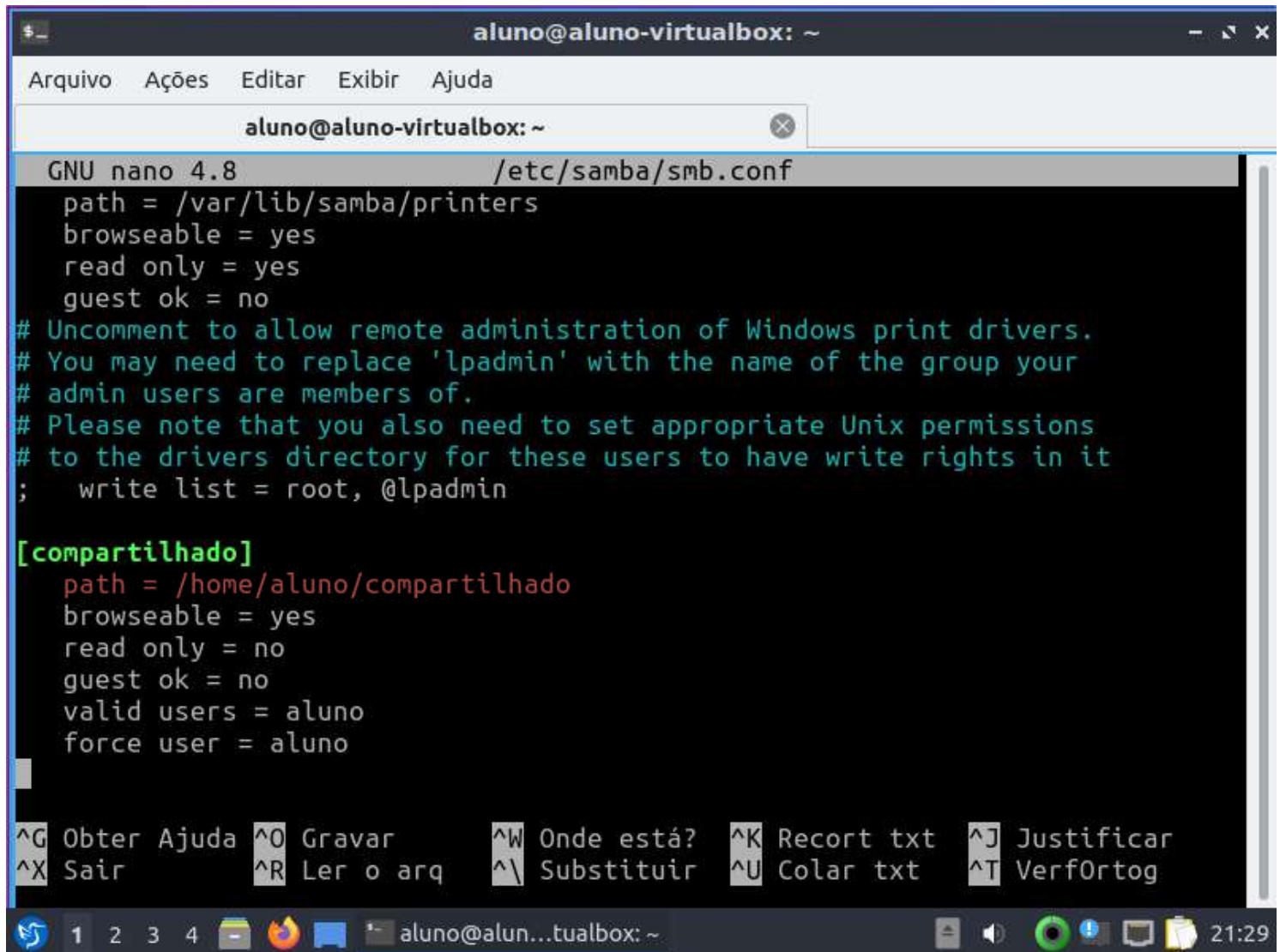
The screenshot shows a terminal window titled 'aluno@aluno-virtualbox: ~'. The window has a menu bar with 'Arquivo', 'Ações', 'Editar', 'Exibir', and 'Ajuda'. The terminal content shows the following commands and output:

```
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

aluno@aluno-virtualbox:~$ sudo nano /etc/samba/smb.conf
aluno@aluno-virtualbox:~$ mkdir -p /home/aluno/compartilhado
aluno@aluno-virtualbox:~$ chmod 777 /home/aluno/compartilhado
aluno@aluno-virtualbox:~$ sudo systemctl restart smbd
aluno@aluno-virtualbox:~$ sudo systemctl status smbd
● smbd.service - Samba SMB Daemon
   Loaded: loaded (/lib/systemd/system/smbd.service; enabled; vendor prese>
   Active: active (running) since Sun 2025-07-13 20:31:08 -03; 12s ago
     Docs: man:smbd(8)
           man:samba(7)
           man:smb.conf(5)
  Process: 5187 ExecStartPre=/usr/share/samba/update-apparmor-samba-profil>
 Main PID: 5197 (smbd)
    Status: "smbd: ready to serve connections..."
     Tasks: 4 (limit: 2902)
```

The terminal window is part of a desktop environment with a taskbar at the bottom showing icons for a web browser, file manager, and other applications. The system clock in the bottom right corner shows 20:53.

Adicionar uma nova seção de compartilhamento ao final do arquivo para definir a pasta que será compartilhada.



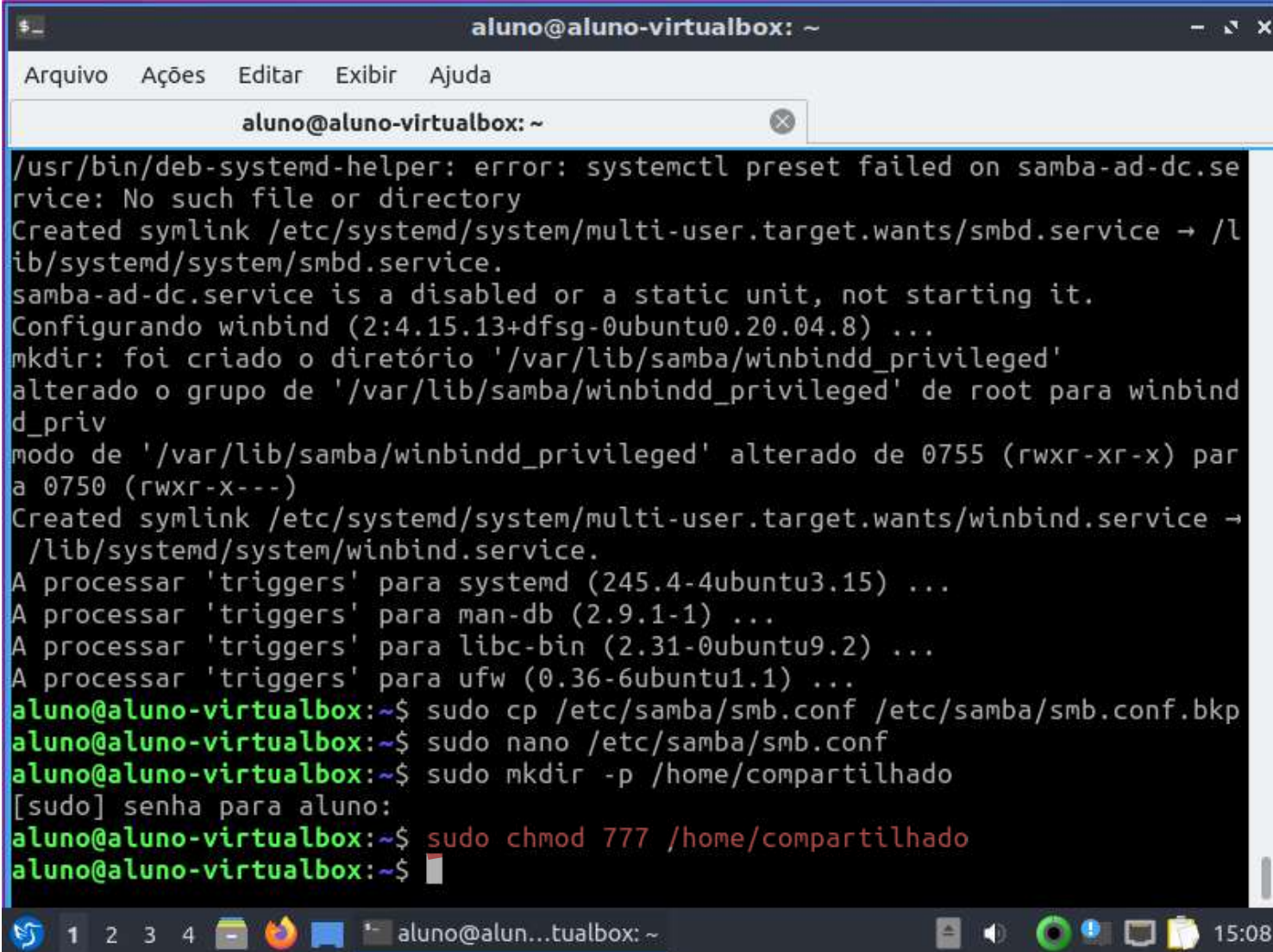
```
aluno@aluno-virtualbox: ~
GNU nano 4.8 /etc/samba/smb.conf
path = /var/lib/samba/printers
browseable = yes
read only = yes
guest ok = no
# Uncomment to allow remote administration of Windows print drivers.
# You may need to replace 'lpadmin' with the name of the group your
# admin users are members 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

[compartilhado]
path = /home/aluno/compartilhado
browseable = yes
read only = no
guest ok = no
valid users = aluno
force user = aluno

^G Obter Ajuda ^O Gravar ^W Onde está? ^K Recort txt ^J Justificar
^X Sair ^R Ler o arq ^\ Substituir ^U Colar txt ^T Verif0rtog
1 2 3 4 aluno@alun...tualbox: ~ 21:29
```

Ajustar as permissões da pasta compartilhada no Linux para permitir que os usuários Samba possam ler e gravar dados.

OBS: Usar 777 dá acesso total a todos, o que pode ser um risco de segurança em redes não confiáveis.

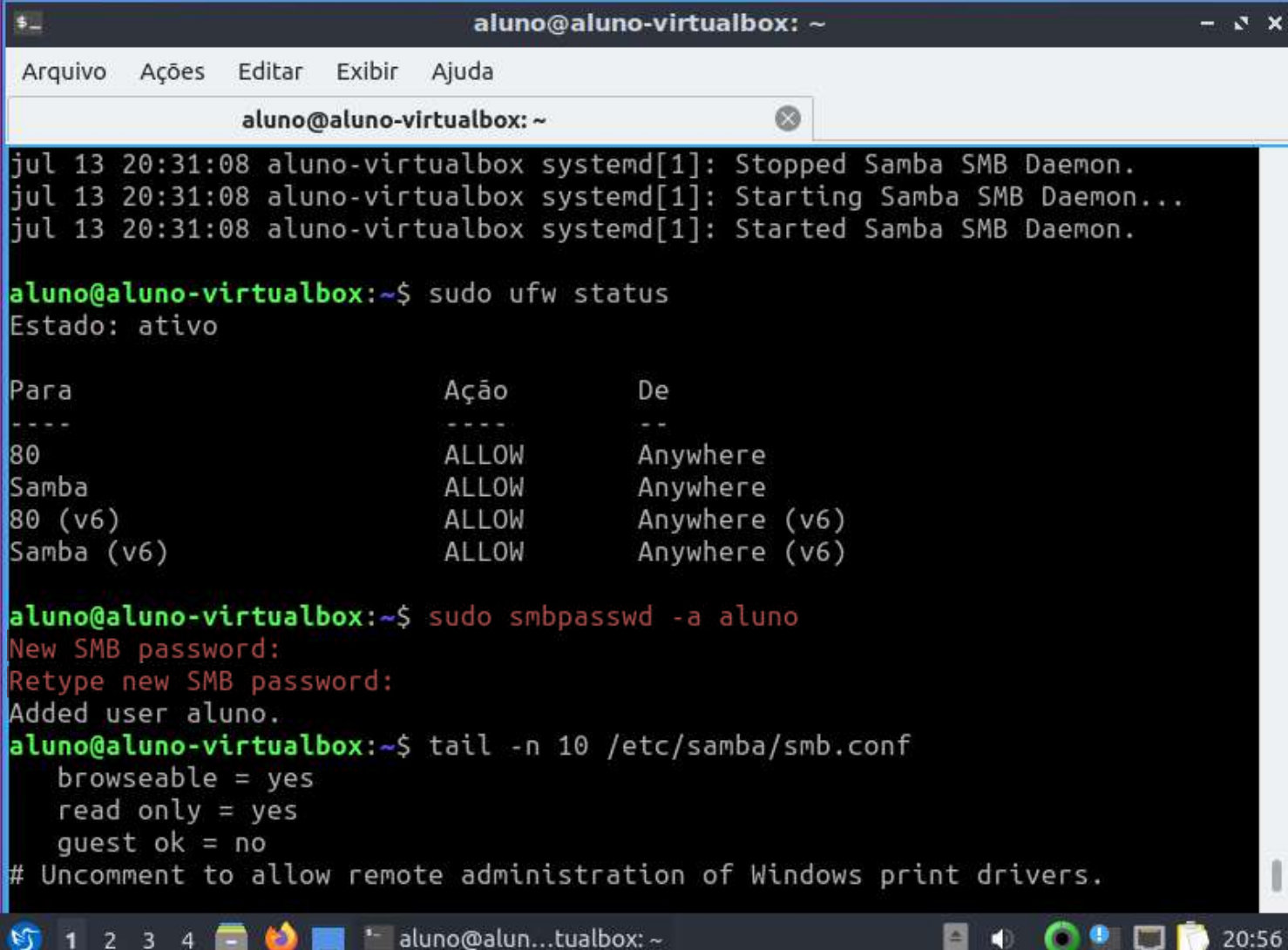
A terminal window titled 'aluno@aluno-virtualbox: ~' with a menu bar (Arquivo, Ações, Editar, Exibir, Ajuda) and a tab labeled 'aluno@aluno-virtualbox: ~'. The terminal output shows the following commands and their results:

```
/usr/bin/deb-systemd-helper: error: systemctl preset failed on samba-ad-dc.service: No such file or directory
Created symlink /etc/systemd/system/multi-user.target.wants/smbd.service → /lib/systemd/system/smbd.service.
samba-ad-dc.service is a disabled or a static unit, not starting it.
Configurando winbind (2:4.15.13+dfsg-0ubuntu0.20.04.8) ...
mkdir: foi criado o diretório '/var/lib/samba/winbindd_privileged'
alterado o grupo de '/var/lib/samba/winbindd_privileged' de root para winbindd_priv
modo de '/var/lib/samba/winbindd_privileged' alterado de 0755 (rwxr-xr-x) para 0750 (rwxr-x---)
Created symlink /etc/systemd/system/multi-user.target.wants/winbind.service → /lib/systemd/system/winbind.service.
A processar 'triggers' para systemd (245.4-4ubuntu3.15) ...
A processar 'triggers' para man-db (2.9.1-1) ...
A processar 'triggers' para libc-bin (2.31-0ubuntu9.2) ...
A processar 'triggers' para ufw (0.36-6ubuntu1.1) ...
aluno@aluno-virtualbox:~$ sudo cp /etc/samba/smb.conf /etc/samba/smb.conf.bkp
aluno@aluno-virtualbox:~$ sudo nano /etc/samba/smb.conf
aluno@aluno-virtualbox:~$ sudo mkdir -p /home/compartilhado
[sudo] senha para aluno:
aluno@aluno-virtualbox:~$ sudo chmod 777 /home/compartilhado
aluno@aluno-virtualbox:~$
```

The terminal window has a taskbar at the bottom with icons for a web browser, file manager, and other applications, along with the system clock showing 15:08.

Salve e feche o arquivo (Ctrl+O, Enter, Ctrl+X no nano).

Usar o comando `smbpasswd` para adicionar um novo usuário Samba.



The image shows a terminal window titled `aluno@aluno-virtualbox: ~`. The window has a menu bar with `Arquivo`, `Ações`, `Editar`, `Exibir`, and `Ajuda`. The terminal output shows the Samba daemon being stopped and started, followed by checking the UFW status, adding a new Samba user named 'aluno', and viewing the last 10 lines of the Samba configuration file.

```
aluno@aluno-virtualbox: ~
jul 13 20:31:08 aluno-virtualbox systemd[1]: Stopped Samba SMB Daemon.
jul 13 20:31:08 aluno-virtualbox systemd[1]: Starting Samba SMB Daemon...
jul 13 20:31:08 aluno-virtualbox systemd[1]: Started Samba SMB Daemon.

aluno@aluno-virtualbox:~$ sudo ufw status
Estado: ativo

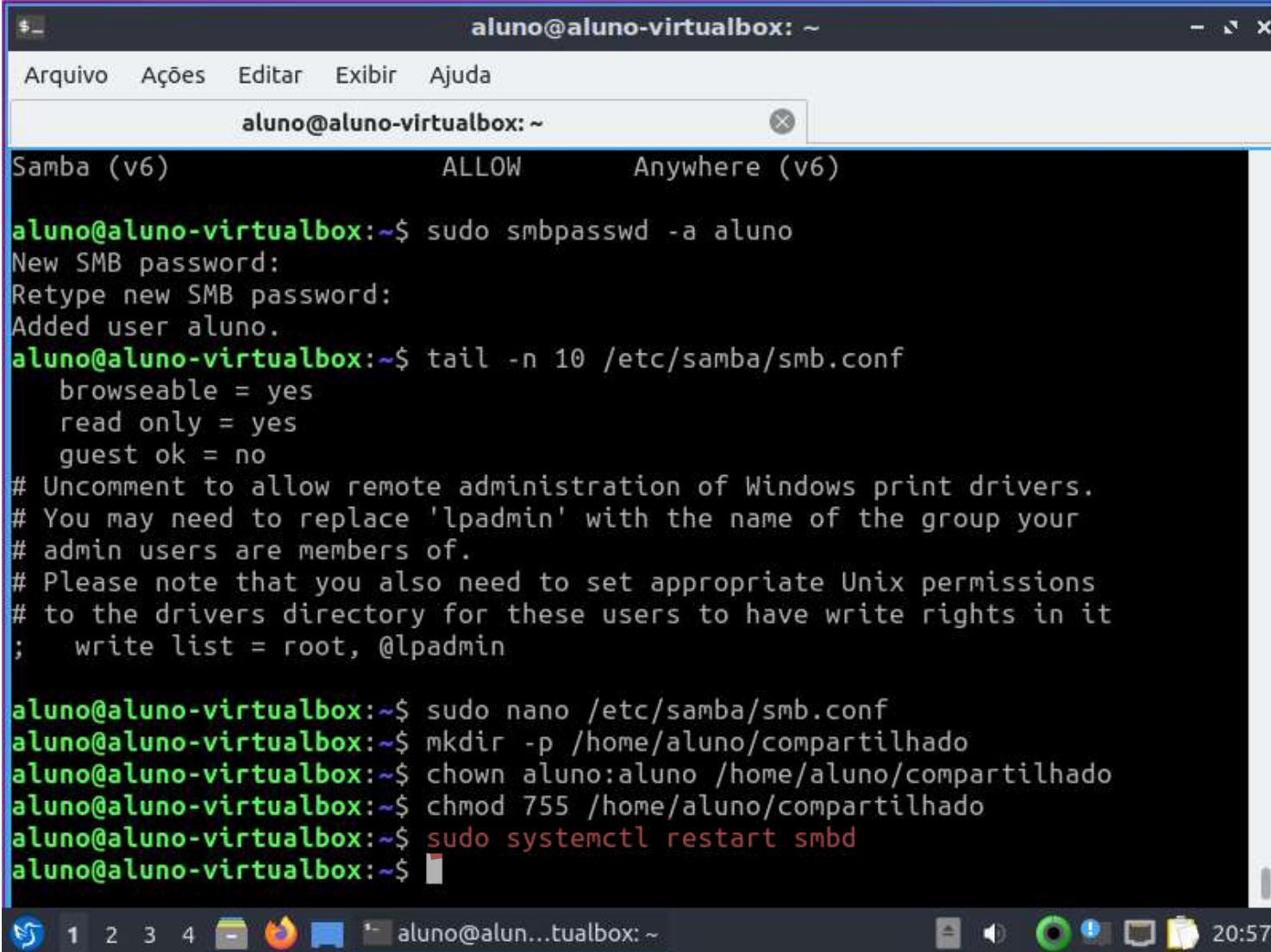
Para          Ação          De
----          -
80            ALLOW         Anywhere
Samba         ALLOW         Anywhere
80 (v6)       ALLOW         Anywhere (v6)
Samba (v6)    ALLOW         Anywhere (v6)

aluno@aluno-virtualbox:~$ sudo smbpasswd -a aluno
New SMB password:
Retype new SMB password:
Added user aluno.
aluno@aluno-virtualbox:~$ tail -n 10 /etc/samba/smb.conf
    browseable = yes
    read only = yes
    guest ok = no
# Uncomment to allow remote administration of Windows print drivers.
```

O sistema pedirá para definir e confirmar uma senha para este usuário Samba.

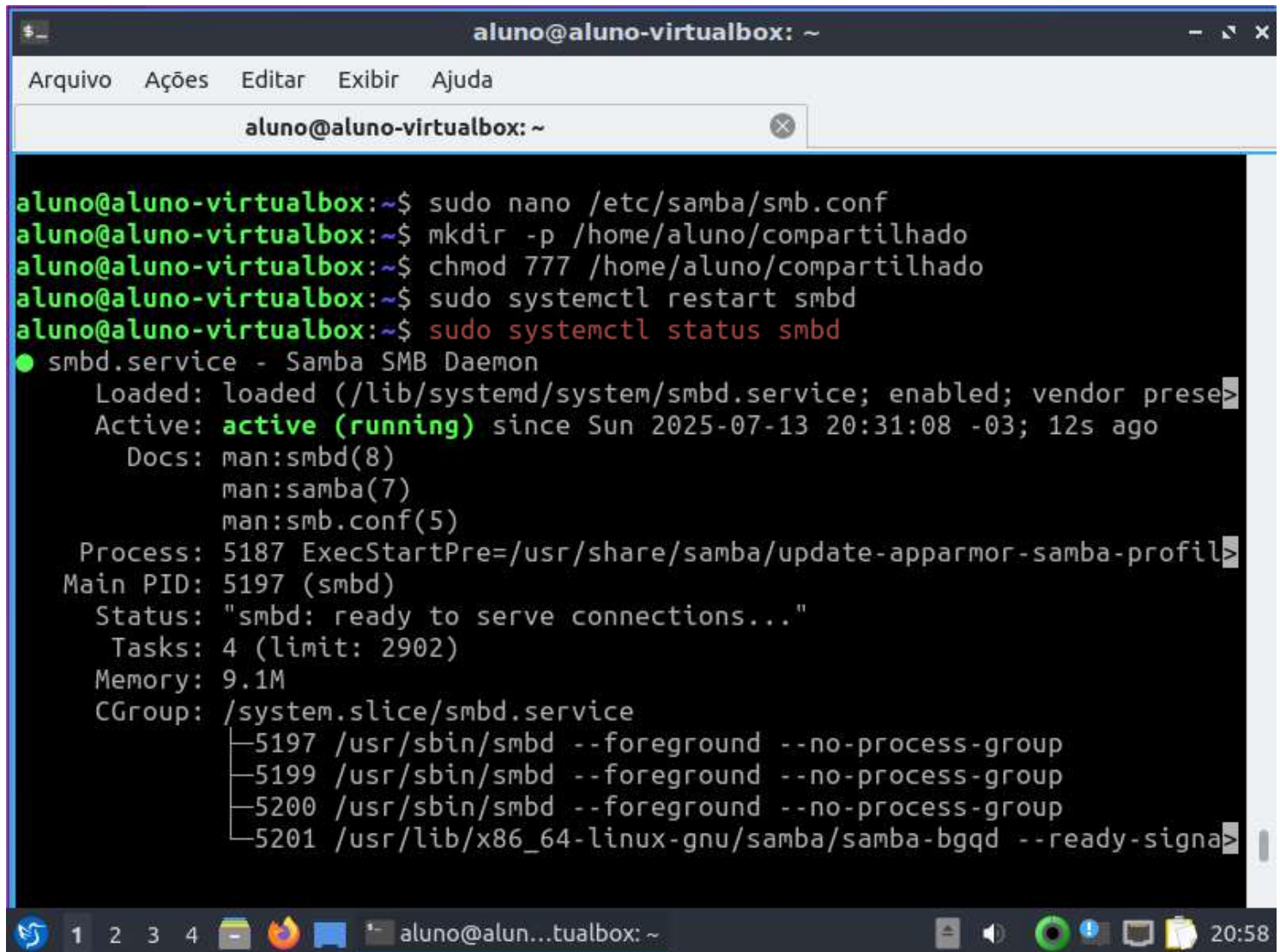
Após configurar o smb.conf e adicionar os usuários, é necessário reiniciar o serviço Samba para que as alterações sejam salvas.

Utiliza o comando: `sudo systemctl restart smbd`.



```
aluno@aluno-virtualbox: ~  
Arquivo  Ações  Editar  Exibir  Ajuda  
aluno@aluno-virtualbox: ~  
Samba (v6)          ALLOW          Anywhere (v6)  
  
aluno@aluno-virtualbox:~$ sudo smbpasswd -a aluno  
New SMB password:  
Retype new SMB password:  
Added user aluno.  
aluno@aluno-virtualbox:~$ tail -n 10 /etc/samba/smb.conf  
browseable = yes  
read only = yes  
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  
  
aluno@aluno-virtualbox:~$ sudo nano /etc/samba/smb.conf  
aluno@aluno-virtualbox:~$ mkdir -p /home/aluno/compartilhado  
aluno@aluno-virtualbox:~$ chown aluno:aluno /home/aluno/compartilhado  
aluno@aluno-virtualbox:~$ chmod 755 /home/aluno/compartilhado  
aluno@aluno-virtualbox:~$ sudo systemctl restart smbd  
aluno@aluno-virtualbox:~$
```


Verificar o status do serviço para garantir que tudo está funcionando corretamente: `sudo systemctl status smbd`.

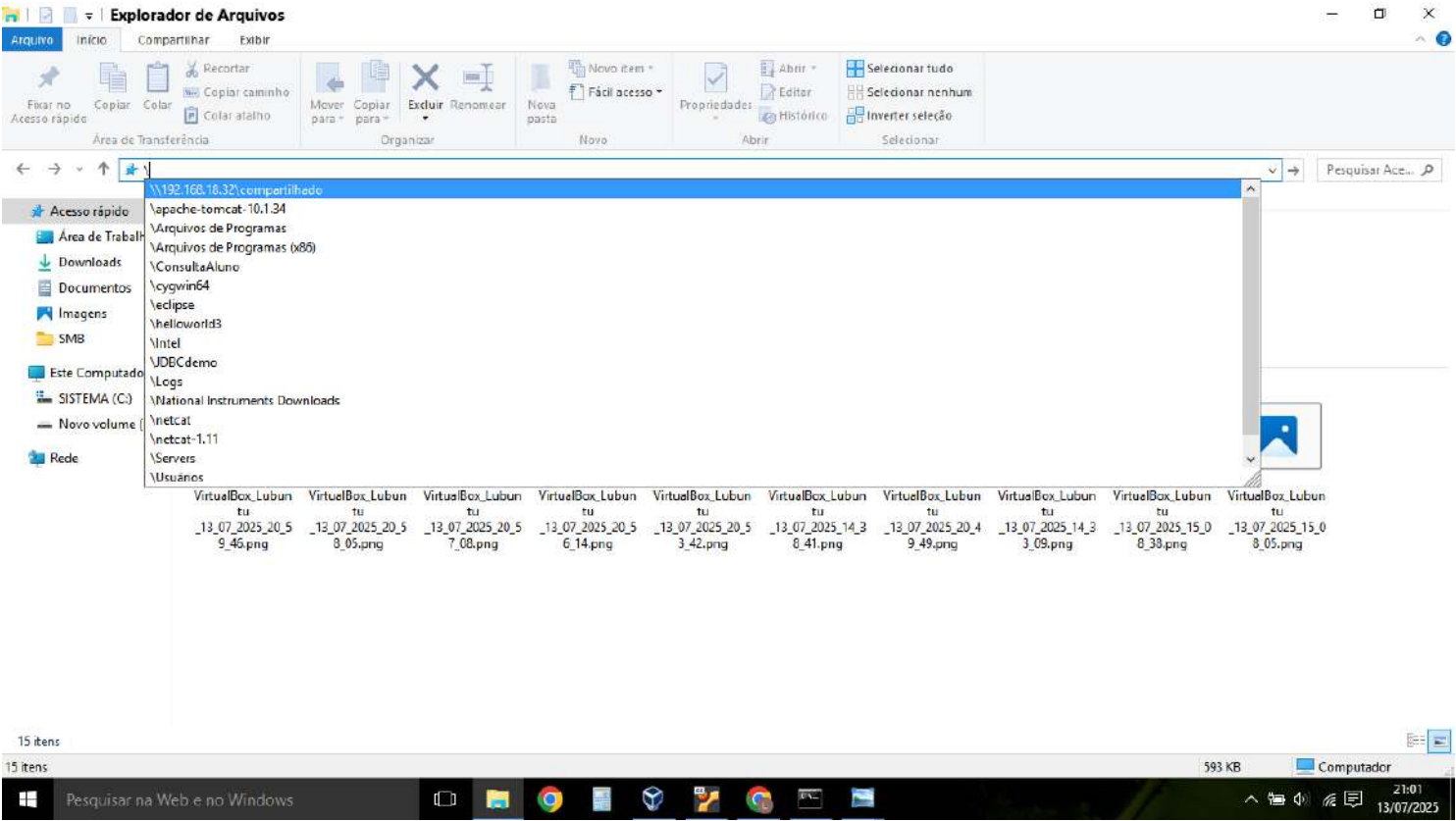
A terminal window titled 'aluno@aluno-virtualbox: ~' with a menu bar (Arquivo, Ações, Editar, Exibir, Ajuda) and a tab labeled 'aluno@aluno-virtualbox: ~'. The terminal shows a series of commands and their outputs. The last command, 'sudo systemctl status smbd', displays the status of the Samba SMB Daemon service, which is active and running. The output includes details about the service's configuration, process ID, status, tasks, memory usage, and CGroup.

```
aluno@aluno-virtualbox:~$ sudo nano /etc/samba/smb.conf
aluno@aluno-virtualbox:~$ mkdir -p /home/aluno/compartilhado
aluno@aluno-virtualbox:~$ chmod 777 /home/aluno/compartilhado
aluno@aluno-virtualbox:~$ sudo systemctl restart smbd
aluno@aluno-virtualbox:~$ sudo systemctl status smbd
● smbd.service - Samba SMB Daemon
   Loaded: loaded (/lib/systemd/system/smbd.service; enabled; vendor prese>
   Active: active (running) since Sun 2025-07-13 20:31:08 -03; 12s ago
     Docs: man:smbd(8)
           man:samba(7)
           man:smb.conf(5)
  Process: 5187 ExecStartPre=/usr/share/samba/update-apparmor-samba-profil>
 Main PID: 5197 (smbd)
    Status: "smbd: ready to serve connections..."
     Tasks: 4 (limit: 2902)
    Memory: 9.1M
    CGroup: /system.slice/smbd.service
            └─5197 /usr/sbin/smbd --foreground --no-process-group
              └─5199 /usr/sbin/smbd --foreground --no-process-group
                └─5200 /usr/sbin/smbd --foreground --no-process-group
                  └─5201 /usr/lib/x86_64-linux-gnu/samba/samba-bgqd --ready-signa>
```

Se o firewall estiver ativado no seu sistema, precisa configurá-lo para permitir o tráfego Samba. Permitir o tráfego Samba através do firewall: `sudo ufw allow samba`.

```
aluno@aluno-virtualbox: ~  
Arquivo  Ações  Editar  Exibir  Ajuda  
aluno@aluno-virtualbox: ~  
aluno@aluno-virtualbox:~$ ufw status  
ERROR: Você precisa ser superusuário para executar este script  
aluno@aluno-virtualbox:~$ sudo ufw status  
[sudo] senha para aluno:  
Estado: ativo  
  
Para          Ação          De  
----          - - - -  
80            ALLOW         Anywhere  
80 (v6)       ALLOW         Anywhere (v6)  
  
aluno@aluno-virtualbox:~$ sudo ufw allow samba  
Regra adicionada  
Regra adicionada (v6)  
aluno@aluno-virtualbox:~$ ip a  
1: lo: <LOOPBACK,UP,LOWER_UP> mtu 65536 qdisc noqueue state UNKNOWN group def  
ault qlen 1000  
    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  
        valid_lft forever preferred_lft forever  
2: enp0s3: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc fq_codel state UP
```

ACAAANC



Pronto! Compartilhamento de arquivos concedido do Windows para a máquina Lubuntu.

