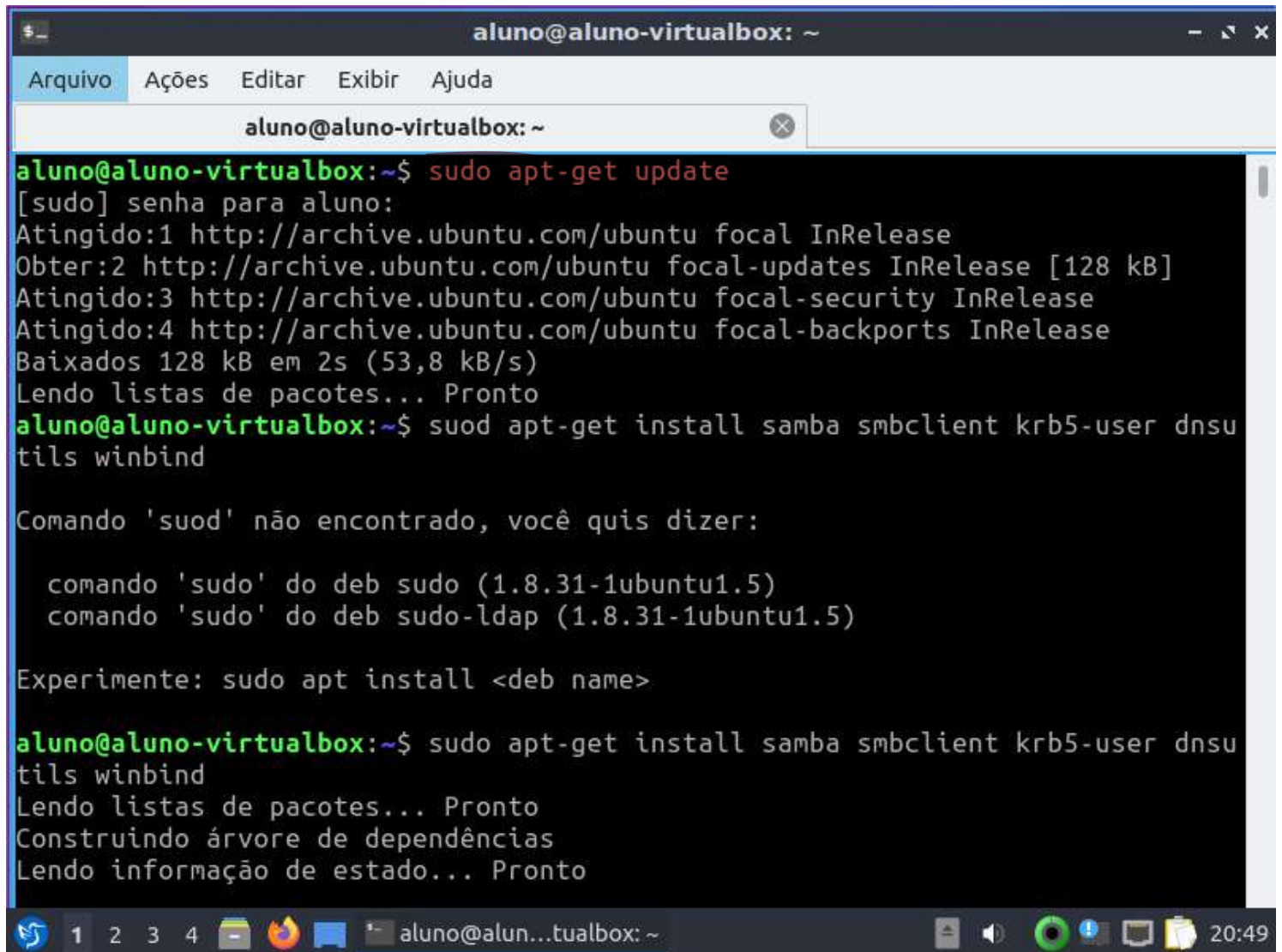


Antes de iniciar a instalação do Samba, é uma boa prática atualizar a lista de pacotes do sistema para garantir que está sendo instalado as versões mais recentes dos softwares disponíveis.

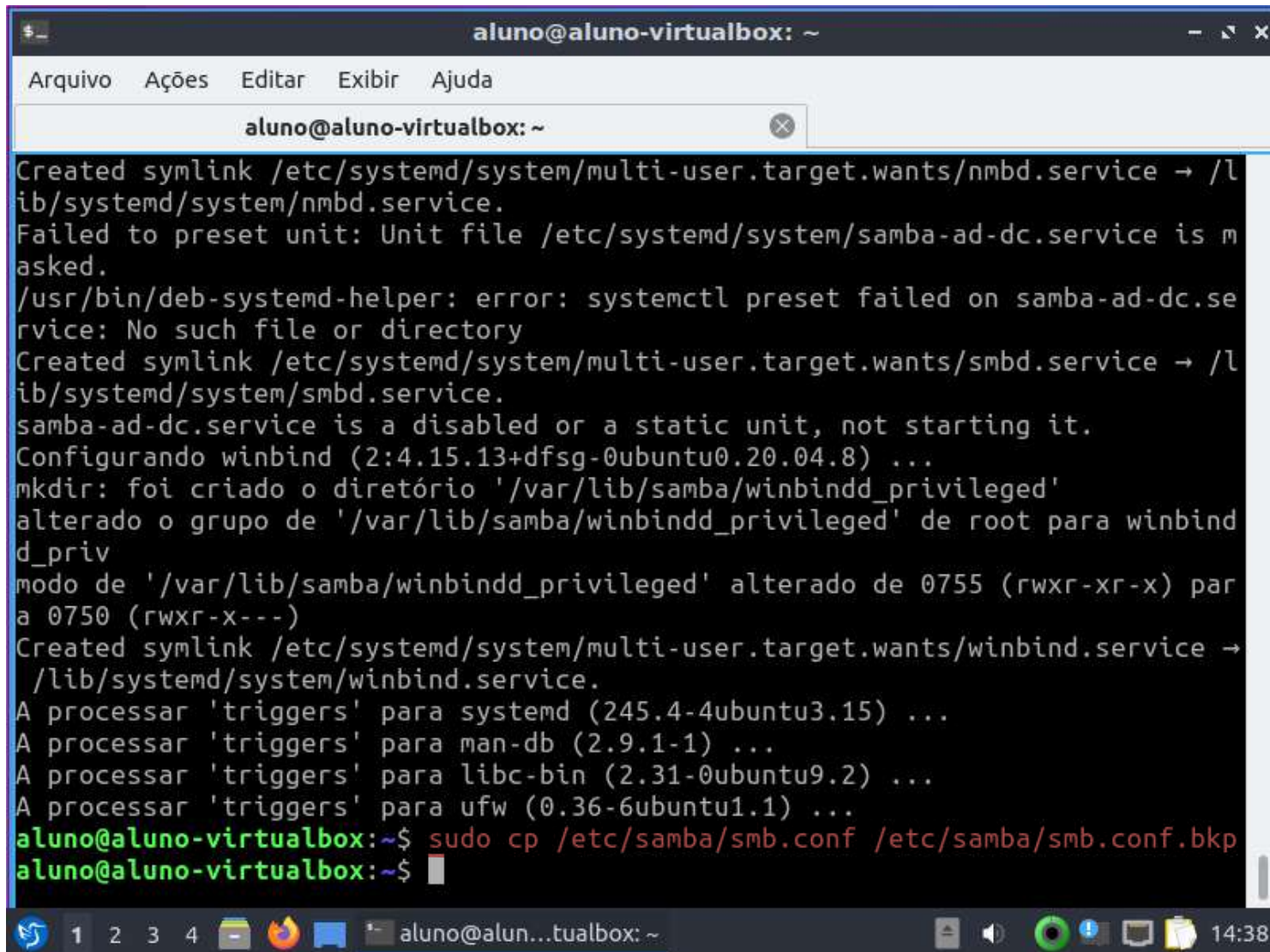


```
aluno@aluno-virtualbox: ~  
Arquivo  Ações  Editar  Exibir  Ajuda  
aluno@aluno-virtualbox: ~  
aluno@aluno-virtualbox:~$ sudo apt-get update  
[sudo] senha para aluno:  
Atingido:1 http://archive.ubuntu.com/ubuntu focal InRelease  
Obter:2 http://archive.ubuntu.com/ubuntu focal-updates InRelease [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-libc 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
```

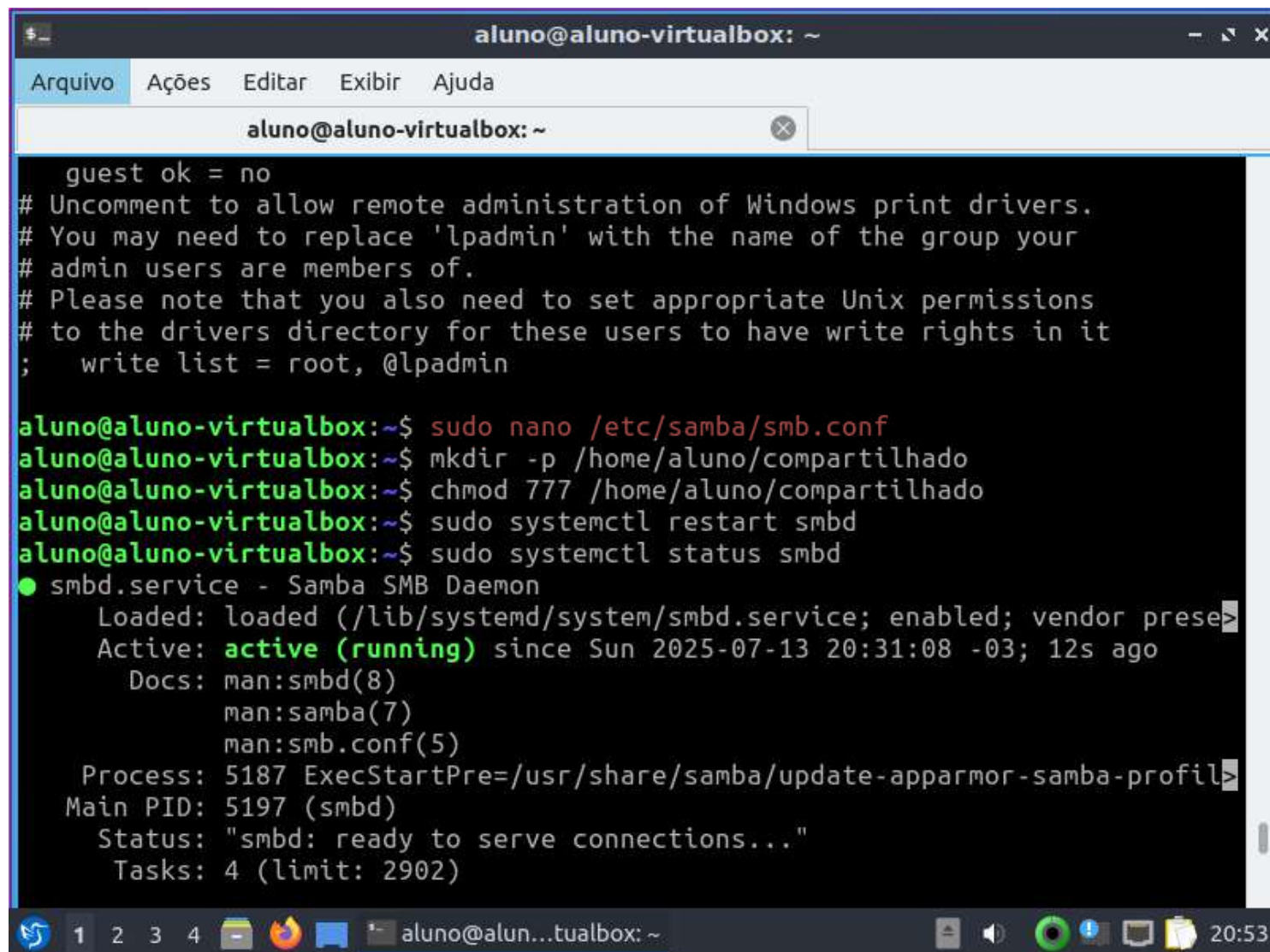
Criar um backup do arquivo de configuração original, para que possa restaurá-lo em caso de problemas.

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:

```
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:~$
```

The terminal window has a taskbar at the bottom with icons for a web browser, terminal, and other applications, along with the system clock showing 14:38.

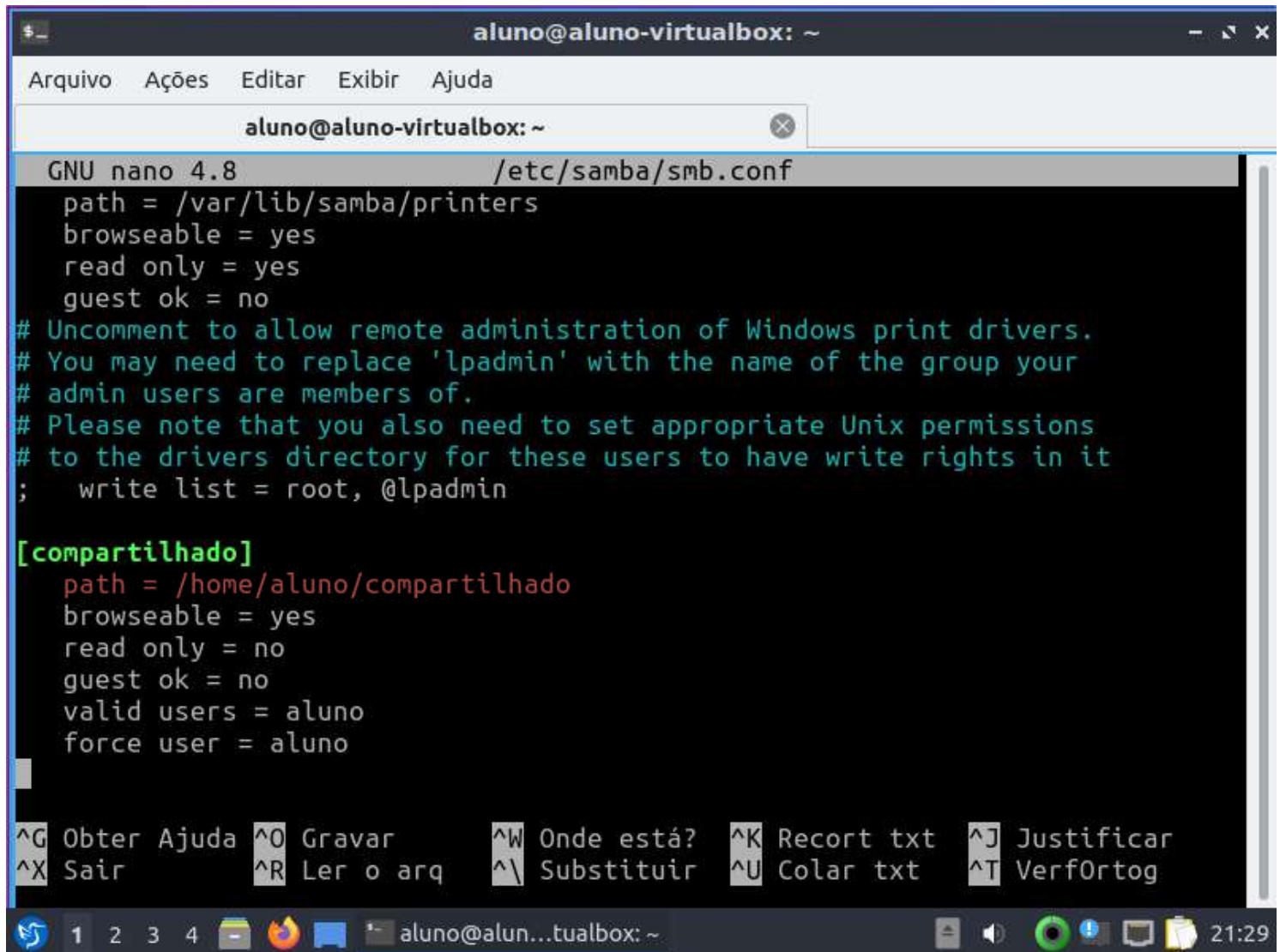
Abrir o arquivo de configuração com um editor de texto como o nano.



```
aluno@aluno-virtualbox: ~
Arquivo  Ações  Editar  Exibir  Ajuda
aluno@aluno-virtualbox: ~
  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)
```

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



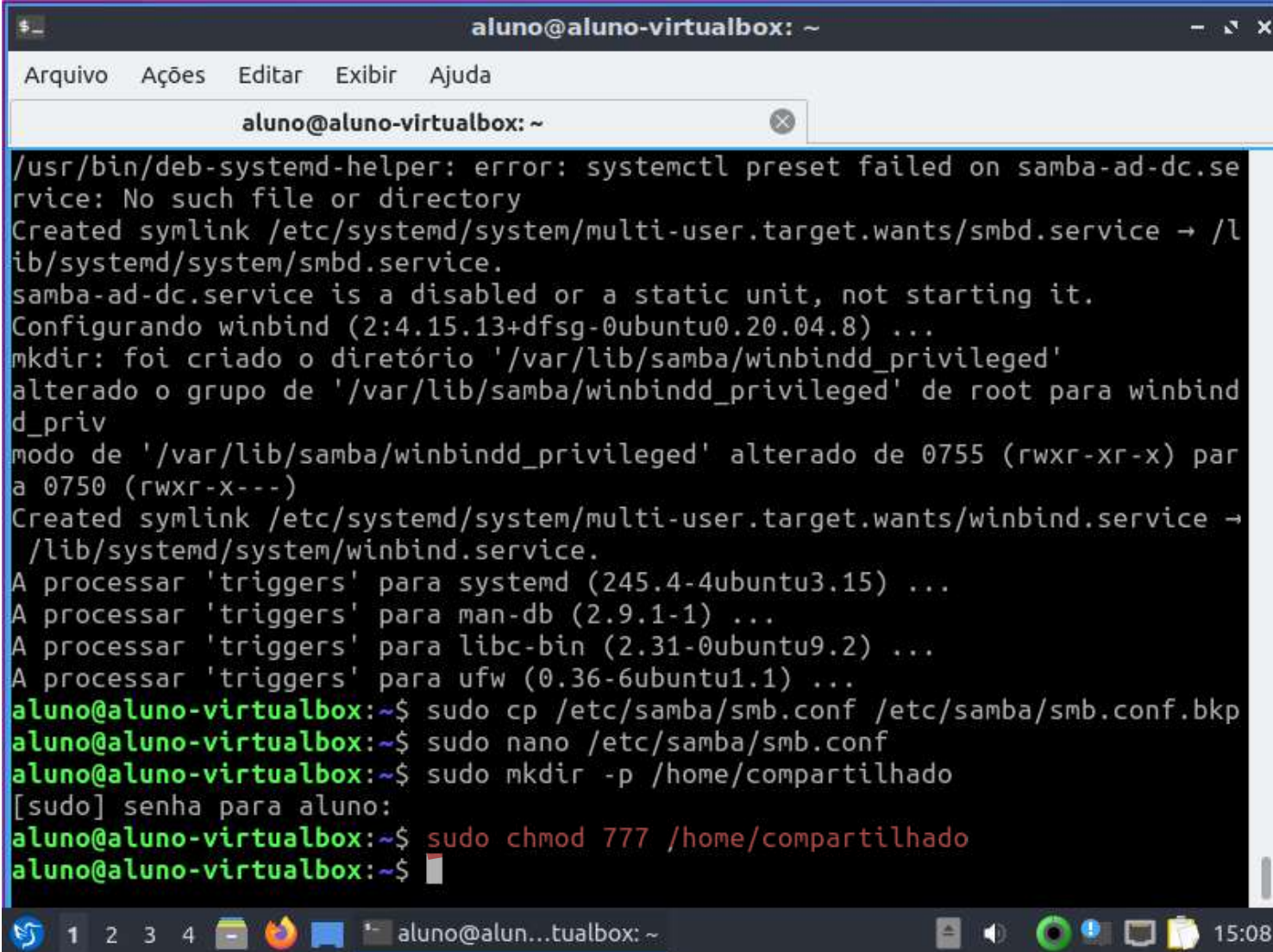
```
aluno@aluno-virtualbox: ~
Arquivo  Ações  Editar  Exibir  Ajuda
aluno@aluno-virtualbox: ~
GNU nano 4.8 /etc/samba/smb.conf
path = /var/lib/samba/printers
browseable = yes
read only = yes
guest ok = no
# Uncomment to allow remote administration of Windows print drivers.
# You may need to replace 'lpadmin' 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.

```
aluno@aluno-virtualbox: ~
Arquivo  Ações  Editar  Exibir  Ajuda
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

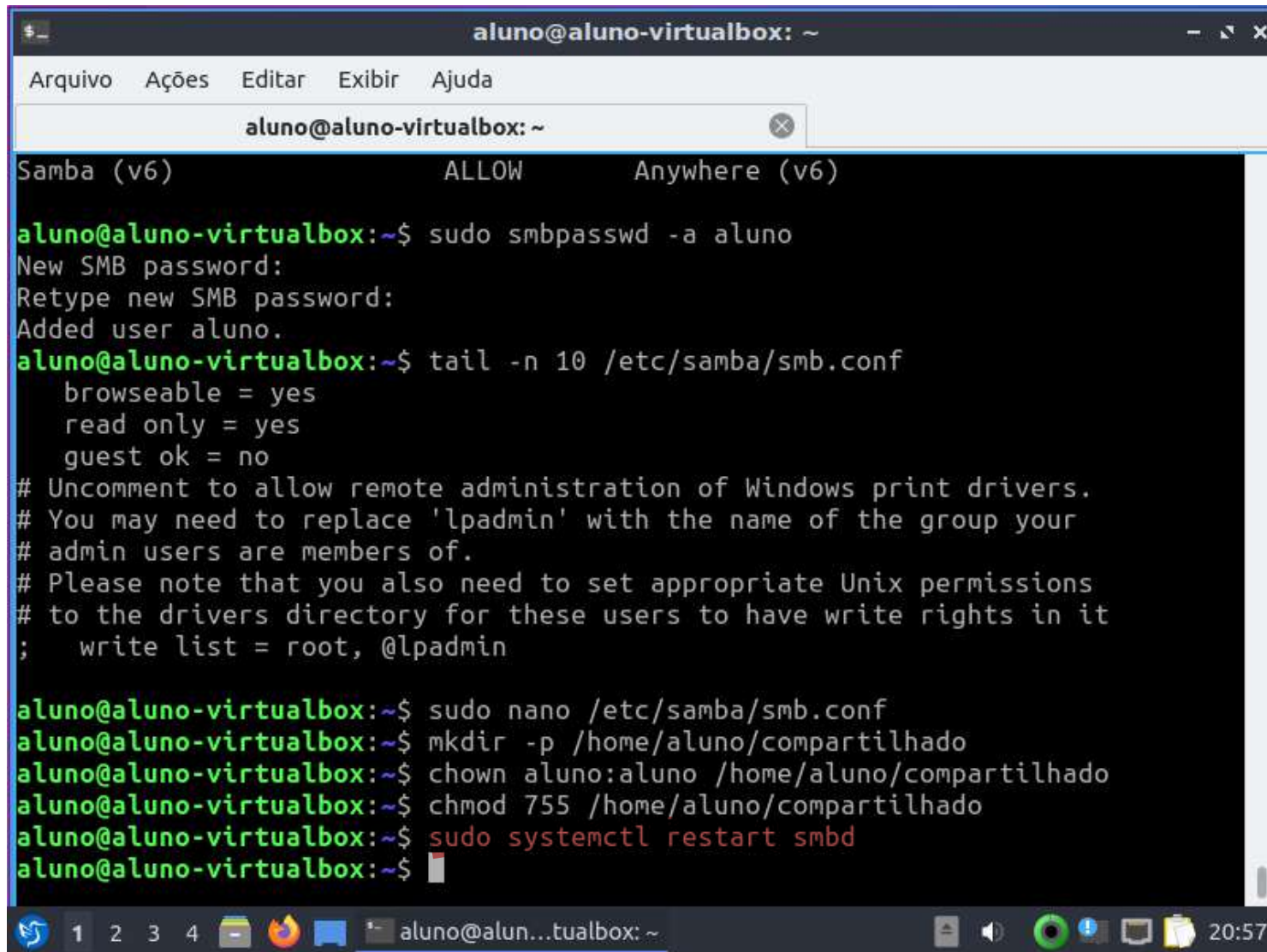
Para          Ação          De
----          -
80            ALLOW         Anywhere
Samba         ALLOW         Anywhere
80 (v6)       ALLOW         Anywhere (v6)
Samba (v6)    ALLOW         Anywhere (v6)

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.

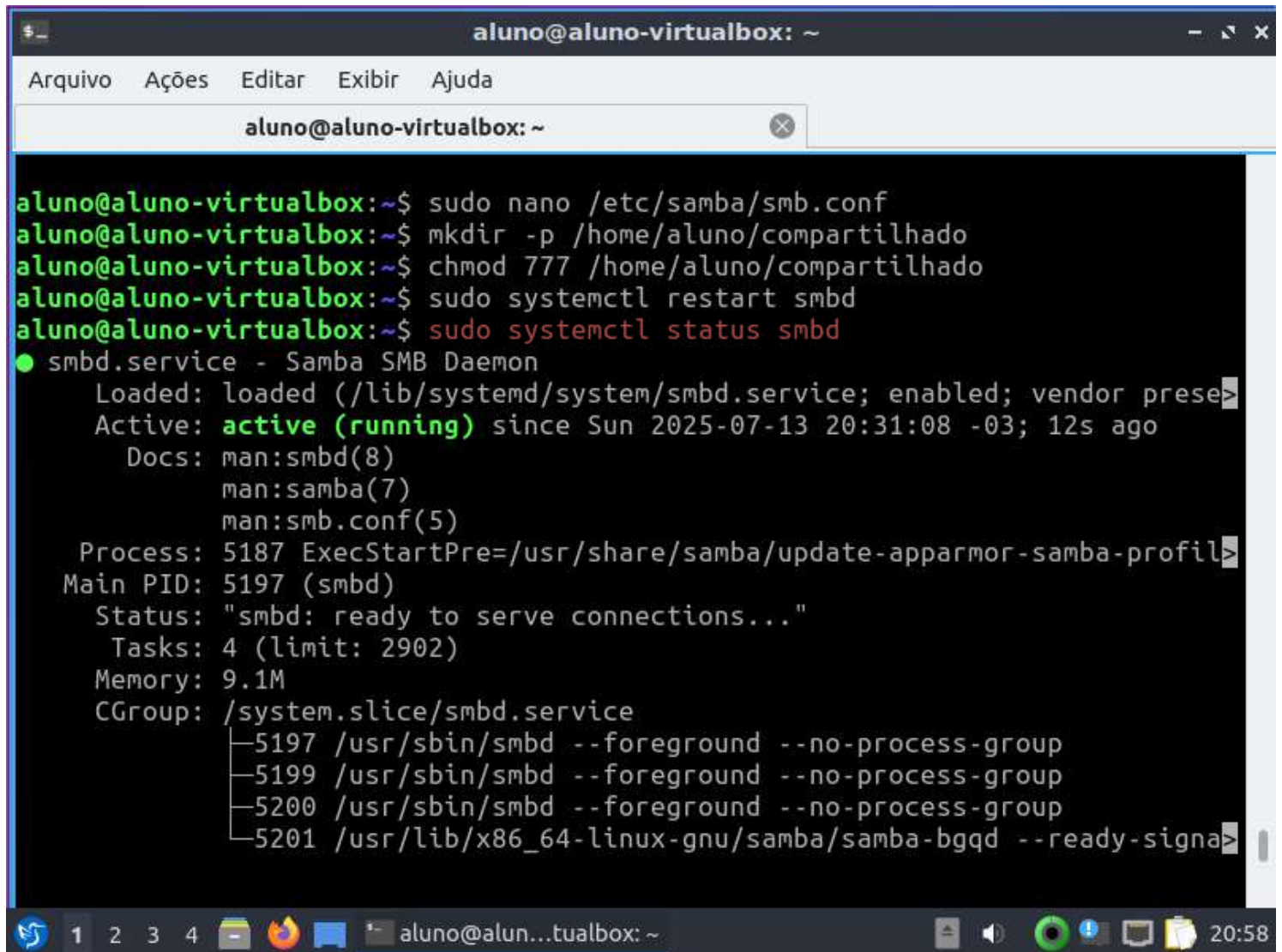
Após configurar o smb.conf e adicionar os usuários, é necessário reiniciar o serviço Samba para que as alterações sejam salvas.

Utiliza o comando: `sudo systemctl restart smbd`.



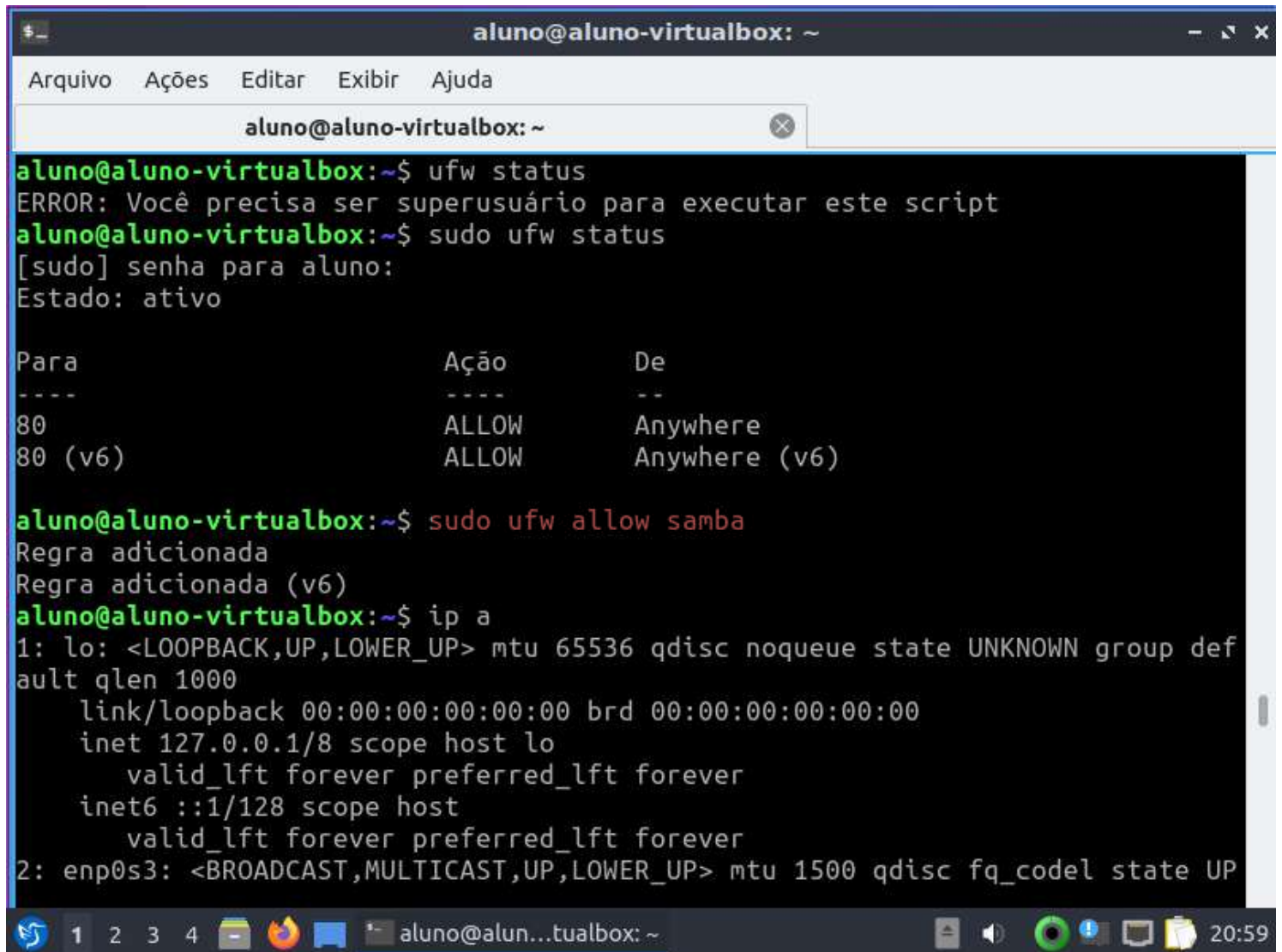
```
aluno@aluno-virtualbox: ~  
Arquivo  Ações  Editar  Exibir  Ajuda  
aluno@aluno-virtualbox: ~  
Samba (v6)          ALLOW          Anywhere (v6)  
  
aluno@aluno-virtualbox:~$ sudo smbpasswd -a aluno  
New SMB password:  
Retype new SMB password:  
Added user aluno.  
aluno@aluno-virtualbox:~$ tail -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`.



```
aluno@aluno-virtualbox: ~  
Arquivo  Ações  Editar  Exibir  Ajuda  
aluno@aluno-virtualbox: ~  
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`.

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 the following commands and output:

```
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
```

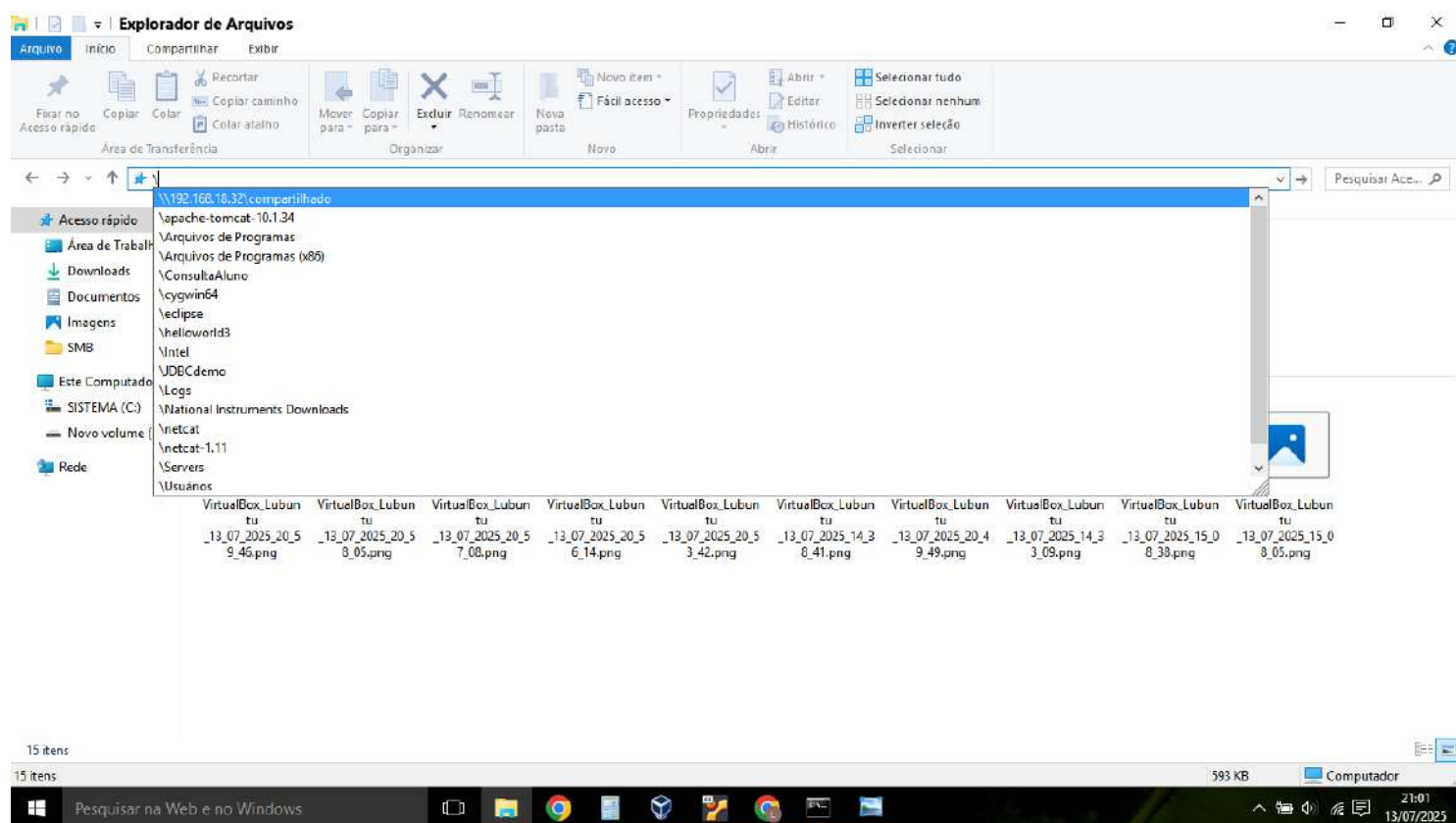
The terminal window is part of a desktop environment. The taskbar at the bottom shows icons for a web browser, file manager, and other applications. The system clock in the bottom right corner indicates the time is 20:59.

Agora que o servidor Samba está configurado, pode ser acessado a partir de outros computadores na rede.

Acessando de uma máquina Windows:

Abre o Explorador de Arquivos.

Na barra de endereço, digita o endereço IP do servidor Ubuntu, seguido pelo nome do compartilhamento. No exemplo temos: \\192.168.18.32\compartilhado.



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

