Atividade 06 - ASR Telemática

1) Instalação do samba na primeira instância:

```
dnlinux@dnlinux-virtualbox:~$ sudo apt update && apt upgrade -y
[sudo] senha para dnlinux:
Atingido:1 http://security.ubuntu.com/ubuntu focal-security InRelease
Atingido:2 http://archive.ubuntu.com/ubuntu focal InRelease
Atingido:3 http://archive.ubuntu.com/ubuntu focal-updates InRelease
Atingido:4 http://archive.ubuntu.com/ubuntu focal-backports InRelease
Obter:5 http://archive.ubuntu.com/ubuntu focal/main Translation-pt_BR [287 kB
]
Obter:6 http://archive.ubuntu.com/ubuntu focal/main Translation-pt [166 kB]
Obter:7 http://archive.ubuntu.com/ubuntu focal/restricted Translation-pt_BR [
1.308 B]
Obter:8 http://archive.ubuntu.com/ubuntu focal/restricted Translation-pt [1.3
00 B]
Obter:9 http://archive.ubuntu.com/ubuntu focal/universe Translation-pt [794 k
B]
Obter:10 http://archive.ubuntu.com/ubuntu focal/universe Translation-pt_BR [1
.016 kB]
Obter:11 http://archive.ubuntu.com/ubuntu focal/multiverse Translation-pt [8.
348 B]
Obter:12 http://archive.ubuntu.com/ubuntu focal/multiverse Translation-pt_BR
```

```
danielinux@danielinux-virtualbox:~$ sudo apt install -y samba samba-common-bi
n
Lendo listas de pacotes... Pronto
Construindo árvore de dependências
Lendo informação de estado... Pronto
samba já é a versão mais recente (2:4.15.13+dfsg-0ubuntu0.20.04.8).
samba-common-bin já é a versão mais recente (2:4.15.13+dfsg-0ubuntu0.20.04.8)
.
samba-common-bin configurado para instalar manualmente.
0 pacotes atualizados, 0 pacotes novos instalados, 0 a serem removidos e 5 nã
o atualizados.
```

2) Criar uma pasta compartilhada e configurar o smb.conf:

```
[print$]
   comment = Printer Drivers
   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

[shared]
    path = /shared_folder
    browseable = yes
    writable = yes
    guest ok = yes
    public = yes


^G Help      ^O Write Out ^W Where Is  ^K Cut       ^T Execute   ^C Location
^X Exit      ^R Read File ^\ Replace   ^U Paste     ^J Justify   ^/ Go To Line
```

3) Iniciar o serviço samba:

```
danielinux@danielinux-virtualbox:~$ sudo vi /atc/samba/smb.conf
danielinux@danielinux-virtualbox:~$ sudo systemctl enable smbd
Synchronizing state of smbd.service with SysV service script with /lib/system
d/systemd-sysv-install.
Executing: /lib/systemd/systemd-sysv-install enable smbd
danielinux@danielinux-virtualbox:~$ sudo systemctl enable smbd
Synchronizing state of smbd.service with SysV service script with /lib/system
d/systemd-sysv-install.
Executing: /lib/systemd/systemd-sysv-install enable smbd
danielinux@danielinux-virtualbox:~$ sudo systemctl status smbd
● smbd.service - Samba SMB Daemon
     Loaded: loaded (/lib/systemd/system/smbd.service; enabled; vendor prese>
     Active: active (running) since Thu 2025-12-04 20:24:15 -03; 30min ago
       Docs: man:smbd(8)
             man:samba(7)
             man:smb.conf(5)
   Main PID: 955 (smbd)
     Status: "smbd: ready to serve connections..."
      Tasks: 4 (limit: 970)
     Memory: 11.7M
     CGroup: /system.slice/smbd.service
             ├─955 /usr/sbin/smbd --foreground --no-process-group
             ├─957 /usr/sbin/smbd --foreground --no-process-group
```

4) Instalar o cliente samba na segunda instância:

```
cisco@labvm:~$ sudo apt update && sudo apt install -y smbclient
Hit:1 http://archive.ubuntu.com/ubuntu jammy InRelease
Hit:2 http://security.ubuntu.com/ubuntu jammy-security InRelease
Hit:3 http://archive.ubuntu.com/ubuntu jammy-updates InRelease
Hit:4 http://archive.ubuntu.com/ubuntu jammy-backports InRelease
Hit:5 https://ppa.launchpadcontent.net/mozillateam/ppa/ubuntu jammy InRelease
Hit:6 https://ppa.launchpadcontent.net/wireshark-dev/stable/ubuntu jammy InRel
se
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
452 packages can be upgraded. Run 'apt list --upgradable' to see them.
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
Suggested packages:
  cifs-utils heimdal-clients
The following NEW packages will be installed:
  smbclient
0 upgraded, 1 newly installed, 0 to remove and 452 not upgraded.
Need to get 472 kB of archives.
After this operation, 2,156 kB of additional disk space will be used.
```

5) Acessar o samba via linha comando:

```
cisco@labvm:~$ sudo nano /etc/samba/smb.conf
cisco@labvm:~$ sudo systemctl restart smbd
cisco@labvm:~$ sudo systemctl enable smbd
Synchronizing state of smbd.service with SysV service script with /lib/systemd/s
ystemd-sysv-install.
Executing: /lib/systemd/systemd-sysv-install enable smbd
cisco@labvm:~$ sudo smbdstatus
sudo: smbdstatus: command not found
cisco@labvm:~$ sudo smbstatus

Samba version 4.15.13-Ubuntu
PID     Username      Group       Machine                              Prot
ocol Version  Encryption         Signing
----------------------------------------------------------------------------
-----------------------------------------------------


Service      pid     Machine       Connected at                      Encryption
 Signing
----------------------------------------------------------------------------
------------

No locked files

cisco@labvm:~$ 
```

```
cisco@labvm:~$ smbclient //10.0.0.1/shared -U sambauser
Enter sambauser's password:
Domain=[WORKGROUP] OS=[Unix] Server=[Samba 4.15.13-Ubuntu]
smb: \> ls
  .                                   D        0  Fri Oct   6 12:34:56 2023
  ..                                  D        0  Fri Oct   6 12:34:56 2023
  test.txt                            N       18  Fri Oct   6 12:34:56 2023

      4096 blocks of size 1024. 4096 blocks available
smb: \> get test.txt
getting file \test.txt of size 18 as test.txt (0.0 KiloBytes/sec) (average
smb: \> exit
cisco@labvm:~$
```