

# Installer un contrôleur de domaine Samba Active Directory sur Ubuntu Linux Server.

Je rejoindrai les clients Windows 10 au domaine et j'effectuerai des tâches d'administration système à l'aide de l'outil d'administration système à distance Microsoft (RSAT).

Configuration du réseau Virtualbox et redirection de port

Établir une connexion SSH à Ubuntu Linux

Mettre à jour le serveur Ubuntu

(Identité du serveur) Modification du nom d'hôte

Définition de l'adresse IP statique

Application des modifications du nom d'hôte (redémarrage du système)

Installation de SAMBA en tant que DC Active Directory

Sauvegarde du fichier de configuration Samba d'origine

Mise à disposition du contrôleur de domaine Samba Active Directory

Configurer les serveurs de noms dans le fichier resolv.conf

Désactivation des services

Démasquer les services d'annuaire Samba

Activer le service d'annuaire Samba

Début de SAMBA

Affichage des ports d'écoute SAMBA (netstat)

Test de la résolution du nom DNS et des connexions réseau (ping)

Test de la résolution DNS dans le client Windows 10 (ping)

Configuration IP dans Windows 10 (IP statique)

Rejoindre Windows 10 au domaine

Téléchargez et installez l'outil Microsoft RSAT

Connexion au domaine Windows 10

Configuration de Microsoft MMC pour la gestion du système à distance

Créer un nouvel utilisateur dans le domaine Active Directory

Afficher les propriétés utilisateur dans Active Directory

Création d'unités organisationnelles et déplacement des utilisateurs

Afficher la configuration du serveur DNS

Afficher les dossiers de partage, les sessions et les fichiers ouverts

Création de partages réseau dans Ubuntu Linux (SAMBA)

Cartographie des partages réseau à l'aide de GPO

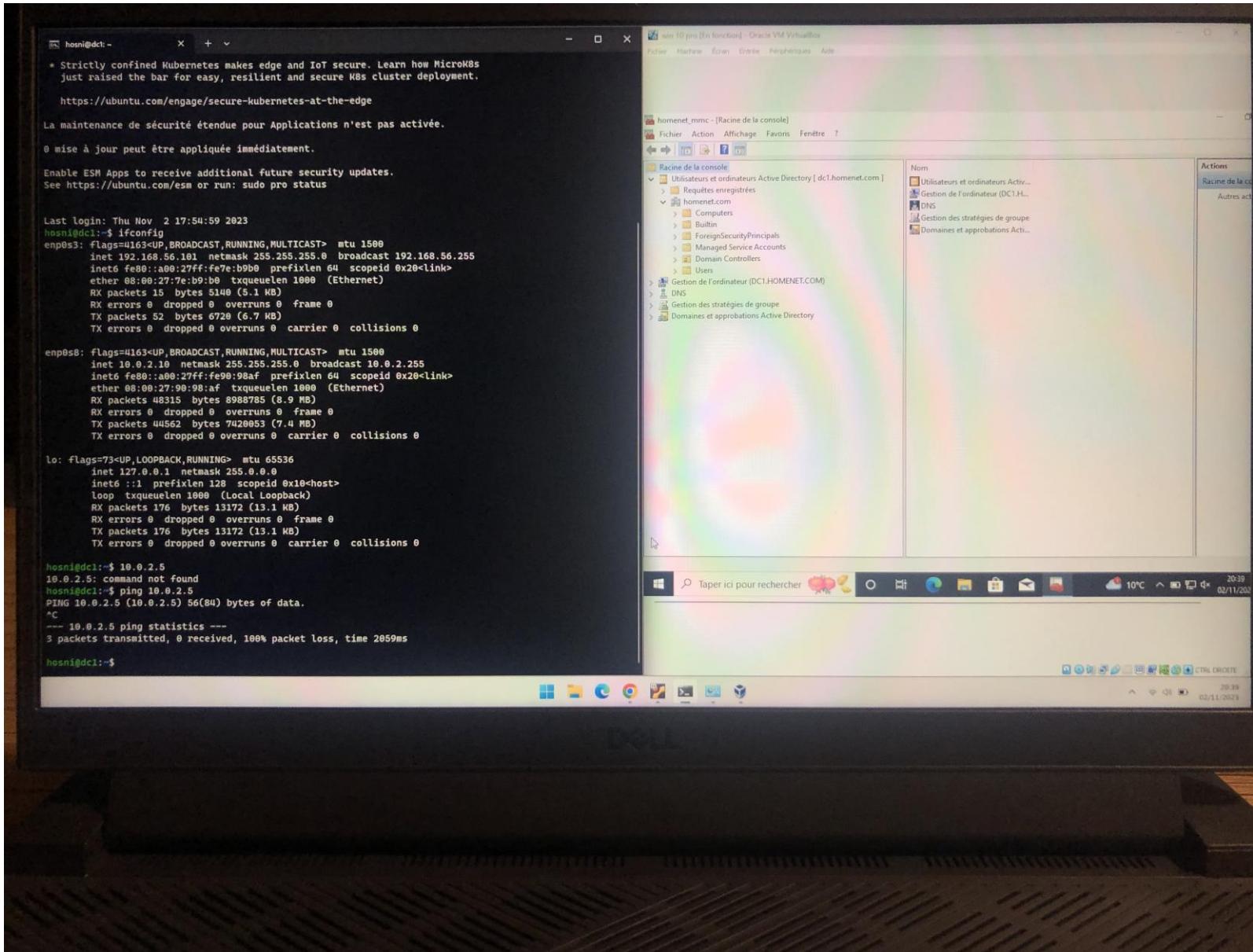
Mise à jour de la stratégie de groupe dans Windows 10 (gpupdate)

Téléchargement de packages MSI sur Ubuntu Linux (Winscp)

Installation des packages MSI à l'aide de GPO

Restreindre l'accès au Panneau de configuration et exécuter des scripts de connexion à l'aide des GPO





```
Windows [version 10.0.22621.2428]
Copyright © 2023 Microsoft Corporation. Tous droits réservés.

hosni>ssh hosni@localhost
ge_identification: read: Connection reset
reset by 127.0.0.1 port 22

hosni>ssh hosni@localhost
ge_identification: read: Connection reset
reset by 127.0.0.1 port 22

hosni>ssh hosni@localhost
alhost's password:
Ubuntu 22.04.3 LTS (GNU/Linux 5.15.0-88-generic x86_64)

ntation: https://help.ubuntu.com
ment: https://landscape.canonical.com
t: https://ubuntu.com/advantage

information as of mer. 01 nov. 2023 19:22:32 UTC

load: 0.0 Processes: 123
of /: 44.8% of 11.21GB Users logged in: 1
usage: 8% IPv4 address for enp0s3: 192.168.56.101
sage: 0% IPv4 address for enp0s8: 10.0.2.10

lly confined Kubernetes makes edge and IoT secure. Learn how MicroK8s
raised the bar for easy, resilient and secure K8s cluster deployment.
://ubuntu.com/engage/secure-kubernetes-at-the-edge

tenance de sécurité étendue pour Applications n'est pas activée.

à jour peut être appliquée immédiatement.

ESM Apps to receive additional future security updates.
ps://ubuntu.com/esm or run: sudo pro status

igin: Wed Nov 1 18:49:18 2023 from 10.0.2.2
hosni:>
```

```
ubuntu server [En fonction] - Oracle VM VirtualBox
Fichier Machine Écran Entrée Périphériques Aide

See the 'Default routes' section of the documentation for more details.

** (process:17666): WARNING **: 19:21:29.510: Permissions for /etc/netplan/00-installer-config.yaml
are too open. Netplan configuration should NOT be accessible by others.

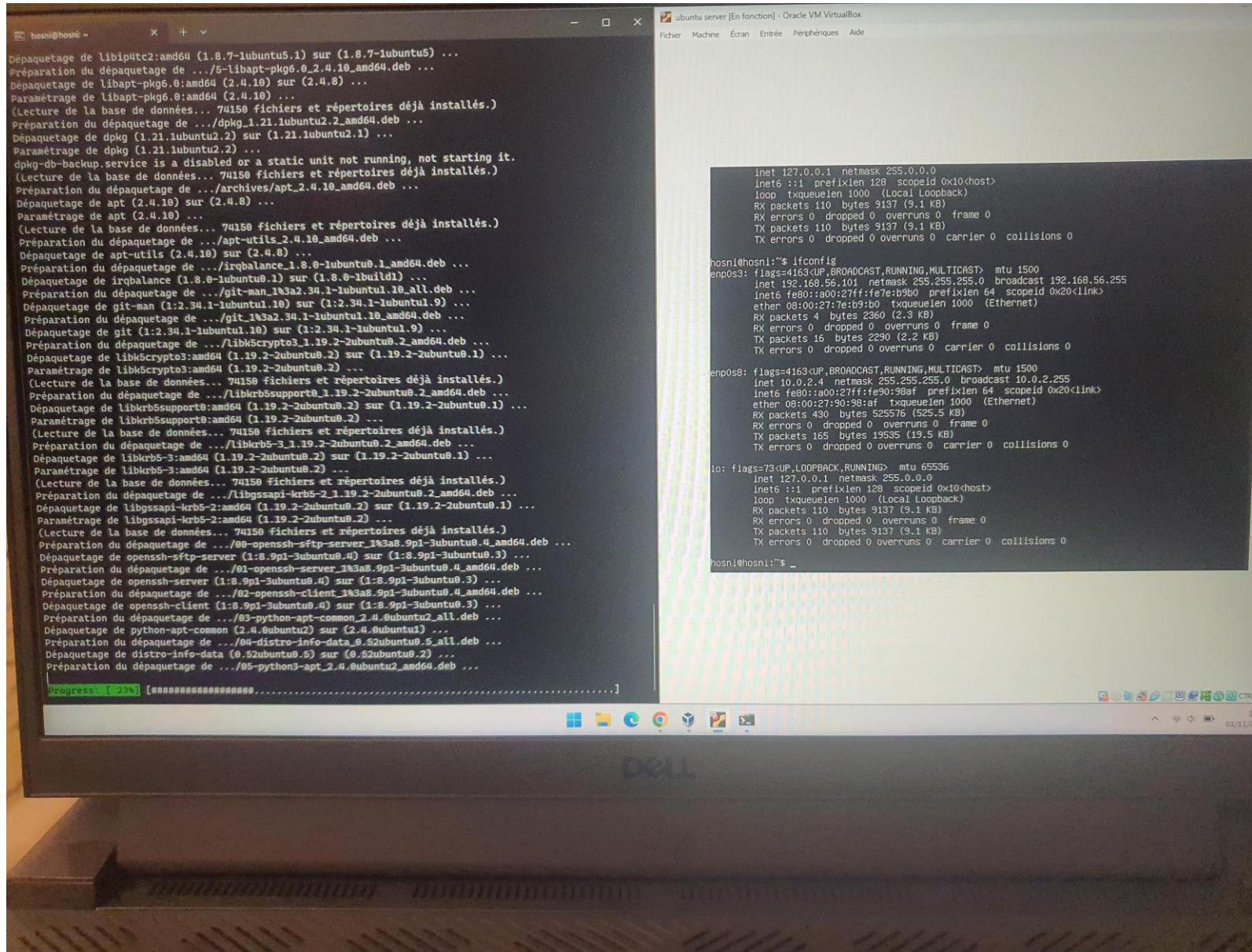
** (process:17666): WARNING **: 19:21:29.510: 'gateway4' has been deprecated, use default routes instead.

See the 'default routes' section of the documentation for more details.
hosni@hosni:~$ ifconfig
enp0s3: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500
inet 192.168.56.101 netmask 255.255.255.0 broadcast 192.168.56.255
inet6 fe80::a00:27ff:fe7e:b9b0 prefixlen 64 scopeid 0x20<link>
ether 08:00:27:7e:b9:b0 txqueuelen 1000 (Ethernet)
RX packets 14 bytes 6670 (6.6 kB)
RX errors 0 dropped 0 overruns 0 frame 0
TX packets 145 bytes 12628 (12.6 kB)
TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

enp0s8: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500
inet 10.0.2.10 netmask 255.255.255.0 broadcast 10.0.2.255
inet6 fe80::a00:27ff:fe90:90af prefixlen 64 scopeid 0x20<link>
ether 08:00:27:90:90:af txqueuelen 1000 (Ethernet)
RX packets 26068 bytes 36624697 (36.6 MB)
RX errors 0 dropped 0 overruns 0 frame 0
TX packets 3420 bytes 457116 (457.1 kB)
TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

lo: flags=73<UP,LOOPBACK,RUNNING> mtu 65536
inet 127.0.0.1 netmask 255.0.0.0
inet6 ::1 prefixlen 128 scopeid 0x10<host>
loop txqueuelen 1000 (Local Loopback)
RX packets 323 bytes 29625 (29.6 kB)
RX errors 0 dropped 0 overruns 0 frame 0
TX packets 323 bytes 29625 (29.6 kB)
TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

hosni@hosni:~$ sudo vi /etc/netplan/00-installer-config.yaml
```



Windows [version 10.0.22621.2428]  
Microsoft Corporation. Tous droits réservés.

```
\hosni>ssh hosni@localhost
channel_identification: read: Connection reset
ion reset by 127.0.0.1 port 22

\hosni>ssh hosni@localhost
channel_identification: read: Connection reset
ion reset by 127.0.0.1 port 22

\hosni>ssh hosni@localhost
localhost's password:
Connected to Ubuntu 22.04.3 LTS (GNU/Linux 5.15.0-88-generic x86_64)

Documentation: https://help.ubuntu.com
Management: https://landscape.canonical.com
Port: https://ubuntu.com/advantage

System information as of mer. 01 nov. 2023 19:22:12 UTC

Load average: 0.0      Processes: 123
Usage of /: 44.8% of 11.21GB  Users logged in: 1
Memory usage: 8%          IPv4 address for enp0s3: 192.168.56.101
CPU usage: 0%            IPv4 address for enp0s8: 10.0.2.10

Strictly confined Kubernetes makes edge and IoT secure. Learn how MicroK8s
just raised the bar for easy, resilient and secure K8s cluster deployment.

https://ubuntu.com/engage/secure-kubernetes-at-the-edge

Maintenance de sécurité étendue pour Applications n'est pas activée.

Le système à jour peut être appliquée immédiatement.

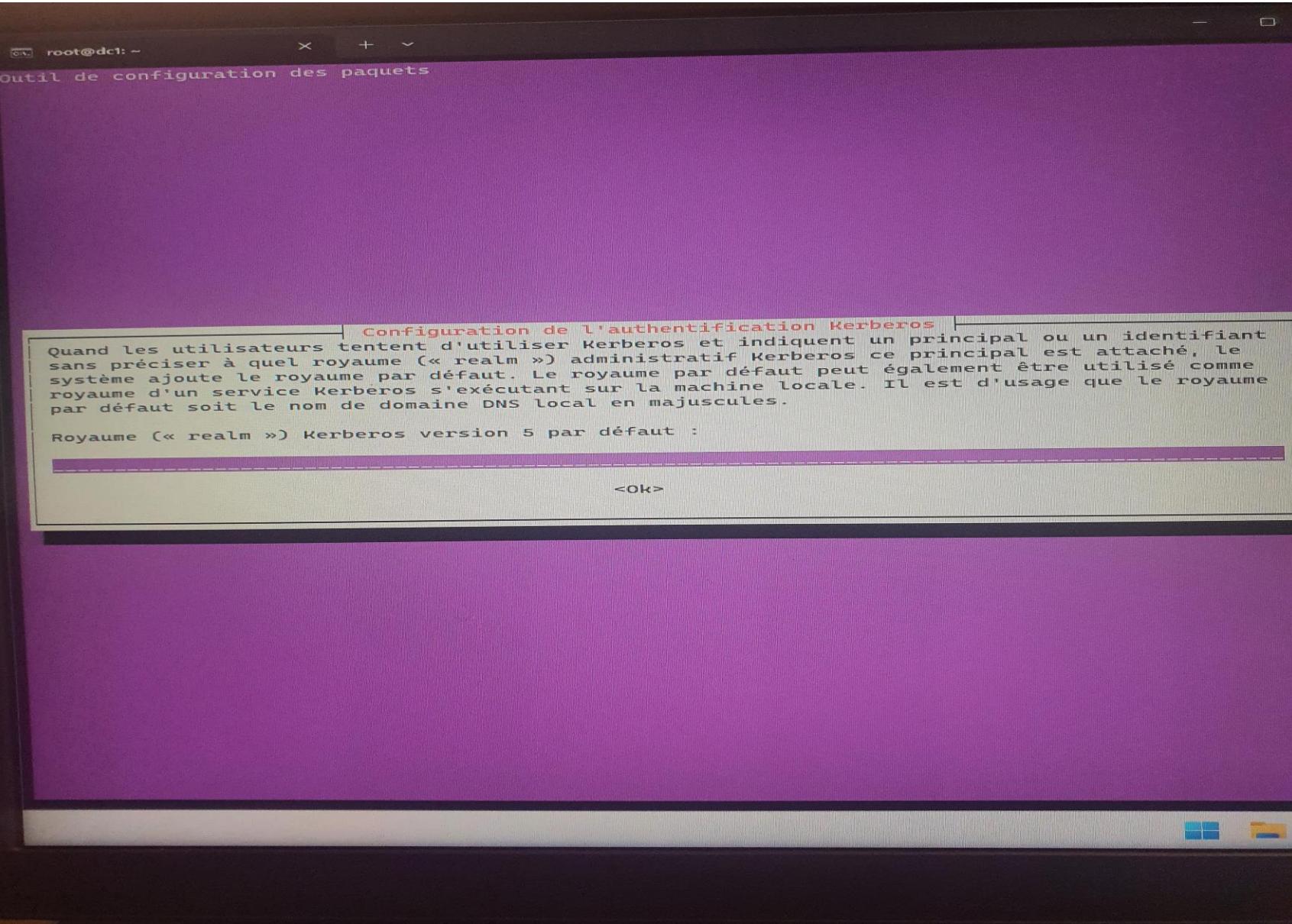
Le ESM Apps to receive additional future security updates.
https://ubuntu.com/esm or run: sudo pro status

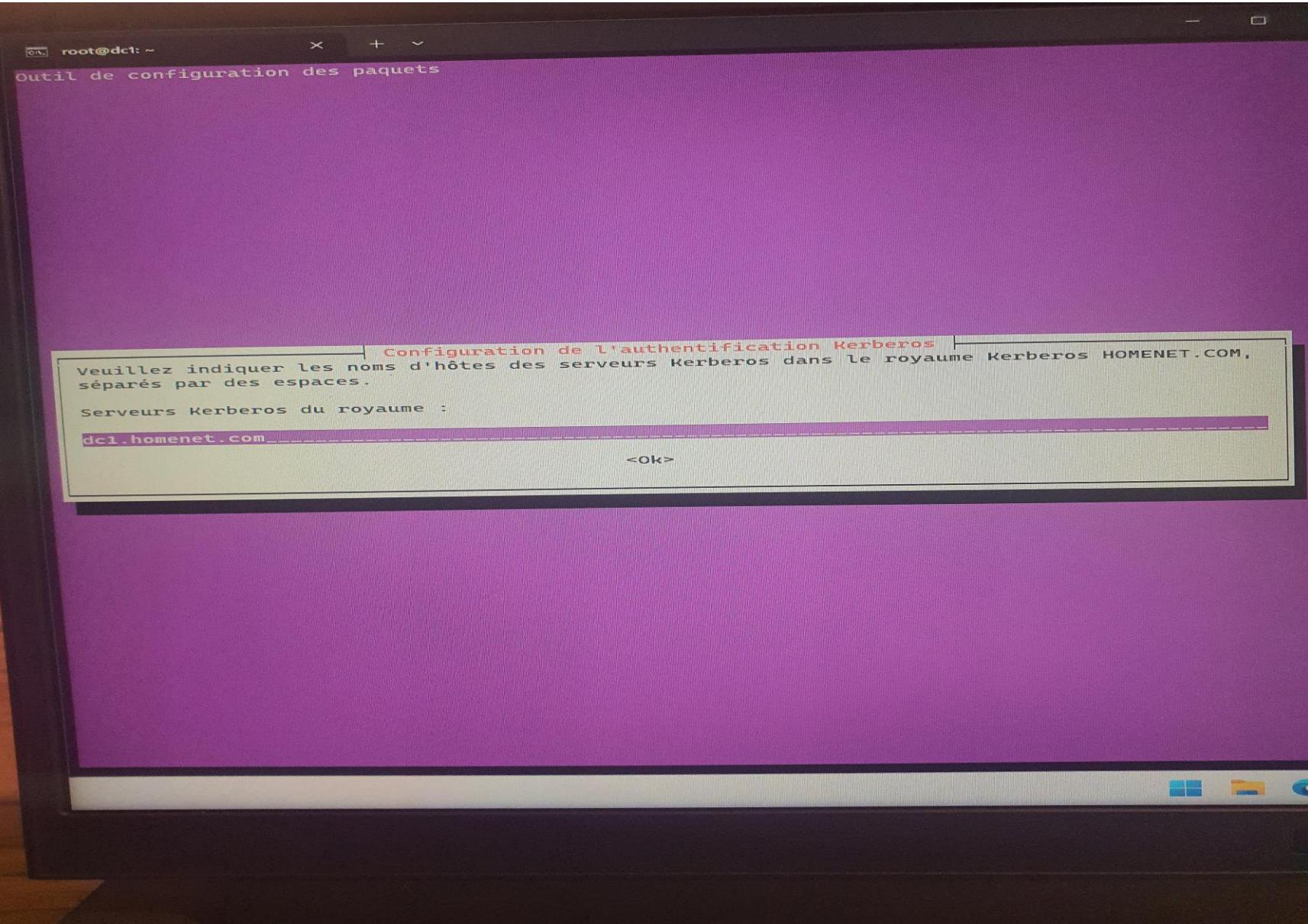
t login: Wed Nov  1 18:49:18 2023 from 10.0.2.2
nighosni:$
```

# This is the network config written by 'subiquity'  
network:  
ethernets:  
 enp0s8:  
 dhcp4: no  
 addresses: [10.0.2.10/24]  
 gateway4: 10.0.2.2  
 nameservers:  
 addresses: [10.0.2.10, 8.8.8.8]  
 version: 2

network:  
ethernets:  
 enp0s3:  
 dhcp4: yes  
 version: 2

"./etc/netplan/00-installer-config.yaml" 17L, 2978





```
root@dc1: ~          X + ▾
INFO 2023-11-01 19:39:53,320 pid:2397 /usr/lib/python3/dist-packages/samba/provision/__init__.py #228
Setting up the registry
INFO 2023-11-01 19:39:54,365 pid:2397 /usr/lib/python3/dist-packages/samba/provision/__init__.py #228
Setting up the privileges database
INFO 2023-11-01 19:39:54,878 pid:2397 /usr/lib/python3/dist-packages/samba/provision/__init__.py #228
Setting up idmap db
INFO 2023-11-01 19:39:55,228 pid:2397 /usr/lib/python3/dist-packages/samba/provision/__init__.py #229
Setting up SAM db
INFO 2023-11-01 19:39:55,303 pid:2397 /usr/lib/python3/dist-packages/samba/provision/__init__.py #880
Setting up sam.ldb partitions and settings
INFO 2023-11-01 19:39:55,304 pid:2397 /usr/lib/python3/dist-packages/samba/provision/__init__.py #892
Setting up sam.ldb rootDSE
INFO 2023-11-01 19:39:55,368 pid:2397 /usr/lib/python3/dist-packages/samba/provision/__init__.py #1305
Pre-loading the Samba 4 and AD schema


|                                                                                             |
|---------------------------------------------------------------------------------------------|
| table to determine the DomainSID, can not enforce uniqueness constraint on local domainsIDs |
|---------------------------------------------------------------------------------------------|


INFO 2023-11-01 19:39:55,661 pid:2397 /usr/lib/python3/dist-packages/samba/provision/__init__.py #1383
Adding DomainDN: DC=homenet,DC=com
INFO 2023-11-01 19:39:55,727 pid:2397 /usr/lib/python3/dist-packages/samba/provision/__init__.py #1418
Adding configuration container
INFO 2023-11-01 19:39:55,850 pid:2397 /usr/lib/python3/dist-packages/samba/provision/__init__.py #1436
Setting up sam.ldb schema
INFO 2023-11-01 19:39:57,519 pid:2397 /usr/lib/python3/dist-packages/samba/provision/__init__.py #1448
Setting up sam.ldb configuration data
INFO 2023-11-01 19:39:57,589 pid:2397 /usr/lib/python3/dist-packages/samba/provision/__init__.py #1489
Setting up display specifiers
INFO 2023-11-01 19:39:58,551 pid:2397 /usr/lib/python3/dist-packages/samba/provision/__init__.py #1497
Modifying display specifiers and extended rights
INFO 2023-11-01 19:39:58,570 pid:2397 /usr/lib/python3/dist-packages/samba/provision/__init__.py #1504
Adding users container
INFO 2023-11-01 19:39:58,573 pid:2397 /usr/lib/python3/dist-packages/samba/provision/__init__.py #1510
Modifying users container
INFO 2023-11-01 19:39:58,574 pid:2397 /usr/lib/python3/dist-packages/samba/provision/__init__.py #1513
Adding computers container
INFO 2023-11-01 19:39:58,577 pid:2397 /usr/lib/python3/dist-packages/samba/provision/__init__.py #1519
Modifying computers container
INFO 2023-11-01 19:39:58,578 pid:2397 /usr/lib/python3/dist-packages/samba/provision/__init__.py #1523
Setting up sam.ldb data
INFO 2023-11-01 19:39:58,637 pid:2397 /usr/lib/python3/dist-packages/samba/provision/__init__.py #1553
Setting up well known security principals
INFO 2023-11-01 19:39:58,663 pid:2397 /usr/lib/python3/dist-packages/samba/provision/__init__.py #1567
Setting up sam.ldb users and groups
INFO 2023-11-01 19:39:58,744 pid:2397 /usr/lib/python3/dist-packages/samba/provision/__init__.py #1575
Setting up self join
Repacking database from v1 to v2 format (first record CN=Address-Template,CN=Schema,CN=Configuration,DC=homenet,DC=com)
Repack: re-packed 10000 records so far
Repacking database from v1 to v2 format (first record CN=lostAndFound-Display,CN=406,CN=DisplaySpecifiers,CN=Configuration,DC=homenet,DC=com)
Repacking database from v1 to v2 format (first record CN=FileLinks,CN=System,DC=homenet,DC=com)
```

```
# cp config files from /etc/samba/smb.conf
# services file OK.
# crypto is allowed
role: ROLE_STANDALONE

storage de samba (2:4.15.13+dfsg-0ubuntu1.5) ...
group `sambashare' (GID 120) ...

is not being run as an AD Domain Controller: Masking samba-ad-dc.service
ignore the following error about deb-systemd-helper not finding those services.
-ad-dc.service masked)
d symlink /etc/systemd/system/multi-user.target.wants/nmbd.service → /lib/systemd/system/nmbd.service
to preset unit: Unit file /etc/systemd/system/samba-ad-dc.service is masked.
in/deb-systemd-helper: error: systemctl preset failed on samba-ad-dc.service: No such file or directory
d symlink /etc/systemd/system/multi-user.target.wants/smbd.service → /lib/systemd/system/smbd.service
-ad-dc.service is a disabled or a static unit, not starting it.
storage de winbind (2:4.15.13+dfsg-0ubuntu1.5) ...
created directory '/var/lib/samba/winbindd_privileged'
ed group of '/var/lib/samba/winbindd_privileged' from root to winbindd_priv
of '/var/lib/samba/winbindd_privileged' changed from 0755 (rwxr-xr-x) to 0750 (rwxr-x---)
d symlink /etc/systemd/system/multi-user.target.wants/winbind.service → /lib/systemd/system/winbind.service.

lement des actions différées (« triggers ») pour man-db (2.10.2-1) ...
lement des actions différées (« triggers ») pour libc-bin (2.35-0ubuntu3.4) ...
lement des actions différées (« triggers ») pour ufw (0.36.1-4ubuntu0.1) ...
ning processes...
ning linux images...

ing kernel seems to be up-to-date.
ervices need to be restarted.
ontainers need to be restarted.
user sessions are running outdated binaries.

VM guests are running outdated hypervisor (qemu) binaries on this host.
t@dc1:~# mv /etc/samba/smb.conf /etc/samba/smb.conf.original
t@dc1:~# samba-tool domain provision --use-rfc2307 --interactive
lm: HOMENET.COM
ain [HOMENET]:
ver Role (dc, member, standalone) [dc]:
s backend (SAMBA_INTERNAL, BIND9_FLATFILE, BIND9_DLZ, NONE) [SAMBA_INTERNAL]:
```



```
root@dc1: ~
Paramétrage de lib smbclient: amd64 (2:4.15.13+dfsg-0ubuntu1.5) ...
Paramétrage de smbclient (2:4.15.13+dfsg-0ubuntu1.5) ...
Paramétrage de samba-dsdb-modules: amd64 (2:4.15.13+dfsg-0ubuntu1.5) ...
Paramétrage de python3-samba (2:4.15.13+dfsg-0ubuntu1.5) ...
Paramétrage de samba-vfs-modules: amd64 (2:4.15.13+dfsg-0ubuntu1.5) ...
Paramétrage de samba-common-bin (2:4.15.13+dfsg-0ubuntu1.5) ...
Checking smb.conf with testparm
Load smb config files from /etc/samba/smb.conf
Loaded services file OK.
Weak crypto is allowed

Server role: ROLE_STANDALONE

Done
Paramétrage de samba (2:4.15.13+dfsg-0ubuntu1.5) ...
Adding group `sambashare' (GID 120) ...
Done.
Samba is not being run as an AD Domain Controller: Masking samba-ad-dc.service
Please ignore the following error about deb-systemd-helper not finding those services.
(samba-ad-dc.service masked)
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.
Paramétrage de winbind (2:4.15.13+dfsg-0ubuntu1.5) ...
mkdir: created directory '/var/lib/samba/winbindd_privileged'
changed group of '/var/lib/samba/winbindd_privileged' from root to winbindd_privileged
mode of '/var/lib/samba/winbindd_privileged' changed from 0755 (rwxr-xr-x) to 0750 (rwxr-x---)
Created symlink /etc/systemd/system/multi-user.target.wants/winbind.service → /lib/systemd/system/winbind.service.
Traitement des actions différées (« triggers ») pour man-db (2.10.2-1) ...
Traitement des actions différées (« triggers ») pour libc-bin (2.35-0ubuntu3.4) ...
Traitement des actions différées (« triggers ») pour ufw (0.36.1-4ubuntu0.1) ...
Scanning processes...
Scanning linux images...

Running kernel seems to be up-to-date.

No services need to be restarted.

No containers need to be restarted.

No user sessions are running outdated binaries.

No VM guests are running outdated hypervisor (qemu) binaries on this host.
root@dc1:~# mv /etc/samba/smb.conf /etc/samba/smb.conf.original
root@dc1:~#
```



```
# This is /run/systemd/resolve/stub-resolv.conf managed by man:systemd-resolved(8).  
# Do not edit.  
#  
# This file might be symlinked as /etc/resolv.conf. If you're looking at  
# /etc/resolv.conf and seeing this text, you have followed the symlink.  
#  
# This is a dynamic resolv.conf file for connecting local clients to the  
# internal DNS stub resolver of systemd-resolved. This file lists all  
# configured search domains.  
#  
# Run "resolvectl status" to see details about the uplink DNS servers  
# currently in use.  
#  
# Third party programs should typically not access this file directly, but only  
# through the symlink at /etc/resolv.conf. To manage man:resolv.conf(s) in a  
# different way, replace this symlink by a static file or a different symlink.  
#  
# See man:systemd-resolved.service(8) for details about the supported modes of  
# operation for /etc/resolv.conf.  
  
nameserver 10.0.2.10  
options edns0 trust-ad  
search homenet.com
```

--- INSERTION ---

21, 21

```
root@dc1:~          x + ~
2:4.15.13+dfsg-0ubuntu1.5 [313 kB]
éception de :44 http://fr.archive.ubuntu.com/ubuntu jammy-updates/main amd64 samba-vfs-modules amd64
:4.15.13+dfsg-0ubuntu1.5 [419 kB]
1,2 Mo réceptionnés en 1s (17,2 Mo/s)
Extraction des modèles depuis les paquets : 100%
réconfiguration des paquets...
Sélection du paquet libtalloc2:amd64 précédemment désélectionné.
(Lecture de la base de données... 74261 fichiers et répertoires déjà installés.)
Préparation du dépaquetage de .../00-libtalloc2_2.3.3-2build1_amd64.deb ...
Dépaquetage de libtalloc2:amd64 (2.3.3-2build1) ...
Sélection du paquet libtevent0:amd64 précédemment désélectionné.
Préparation du dépaquetage de .../01-libtevent0_0.11.0-1build1_amd64.deb ...
Dépaquetage de libtevent0:amd64 (0.11.0-1build1) ...
Sélection du paquet libwbclient0:amd64 précédemment désélectionné.
Préparation du dépaquetage de .../02-libwbclient0_2%3a4.15.13+dfsg-0ubuntu1.5_amd64.deb ...
Dépaquetage de libwbclient0:amd64 (2:4.15.13+dfsg-0ubuntu1.5) ...
Sélection du paquet python3-dnspython précédemment désélectionné.
Préparation du dépaquetage de .../03-python3-dnspython_2.1.0-1ubuntu1_all.deb ...
Dépaquetage de python3-dnspython (2.1.0-1ubuntu1) ...
Sélection du paquet libtdb1:amd64 précédemment désélectionné.
Préparation du dépaquetage de .../04-libtdb1_1.4.5-2build1_amd64.deb ...
Dépaquetage de libtdb1:amd64 (1.4.5-2build1) ...
Sélection du paquet libldb2:amd64 précédemment désélectionné.
Préparation du dépaquetage de .../05-libldb2_2%3a2.4.4-0ubuntu.22.04.2_amd64.deb ...
Dépaquetage de libldb2:amd64 (2:2.4.4-0ubuntu.22.04.2) ...
Sélection du paquet python3-ldb précédemment désélectionné.
Préparation du dépaquetage de .../06-python3-ldb_2%3a2.4.4-0ubuntu.22.04.2_amd64.deb ...
Dépaquetage de python3-ldb (2:2.4.4-0ubuntu.22.04.2) ...
Sélection du paquet python3-tdb précédemment désélectionné.
Préparation du dépaquetage de .../07-python3-tdb_1.4.5-2build1_amd64.deb ...
Dépaquetage de python3-tdb (1.4.5-2build1) ...
Sélection du paquet libavahi-common-data:amd64 précédemment désélectionné.
Préparation du dépaquetage de .../08-libavahi-common-data_0.8-5ubuntu5.1_amd64.deb ...
Dépaquetage de libavahi-common-data:amd64 (0.8-5ubuntu5.1) ...
Sélection du paquet libavahi-common3:amd64 précédemment désélectionné.
Préparation du dépaquetage de .../09-libavahi-common3_0.8-5ubuntu5.1_amd64.deb ...
Dépaquetage de libavahi-common3:amd64 (0.8-5ubuntu5.1) ...
Sélection du paquet libavahi-client3:amd64 précédemment désélectionné.
Préparation du dépaquetage de .../10-libavahi-client3_0.8-5ubuntu5.1_amd64.deb ...
Dépaquetage de libavahi-client3:amd64 (0.8-5ubuntu5.1) ...
Sélection du paquet libcups2:amd64 précédemment désélectionné.
Préparation du dépaquetage de .../11-libcups2_2.4.10p1-1ubuntu4.7_amd64.deb ...
Dépaquetage de libcups2:amd64 (2.4.10p1-1ubuntu4.7) ...
Sélection du paquet python3-talloc:amd64 précédemment désélectionné.
Préparation du dépaquetage de .../12-python3-talloc_2.3.3-2build1_amd64.deb ...
Dépaquetage de python3-talloc:amd64 (2.3.3-2build1) ...
Sélection du paquet samba-libs:amd64 précédemment désélectionné.
Préparation du dépaquetage de .../13-samba-libs_2%3a4.15.13+dfsg-0ubuntu1.5_amd64.deb ...
Dépaquetage de samba-libs:amd64 (2:4.15.13+dfsg-0ubuntu1.5) ...
Progression : [ 15% ] [ ##### ###### . . . . . ]
```

```
root@dc1:~# ls /etc/krb5.conf
/etc/krb5.conf
root@dc1:~# vi /etc/resolv.conf
root@dc1:~# cat /etc/resolv.conf
# This is /run/systemd/resolve/stub-resolv.conf managed by man:systemd-resolved(8).
# Do not edit.
#
# This file might be symlinked as /etc/resolv.conf. If you're looking at
# /etc/resolv.conf and seeing this text, you have followed the symlink.
#
# This is a dynamic resolv.conf file for connecting local clients to the
# internal DNS stub resolver of systemd-resolved. This file lists all
# configured search domains.
#
# Run "resolvectl status" to see details about the uplink DNS servers
# currently in use.
#
# Third party programs should typically not access this file directly, but only
# through the symlink at /etc/resolv.conf. To manage man:resolv.conf(5) in a
# different way, replace this symlink by a static file or a different symlink.
#
# See man:systemd-resolved.service(8) for details about the supported modes of
# operation for /etc/resolv.conf.

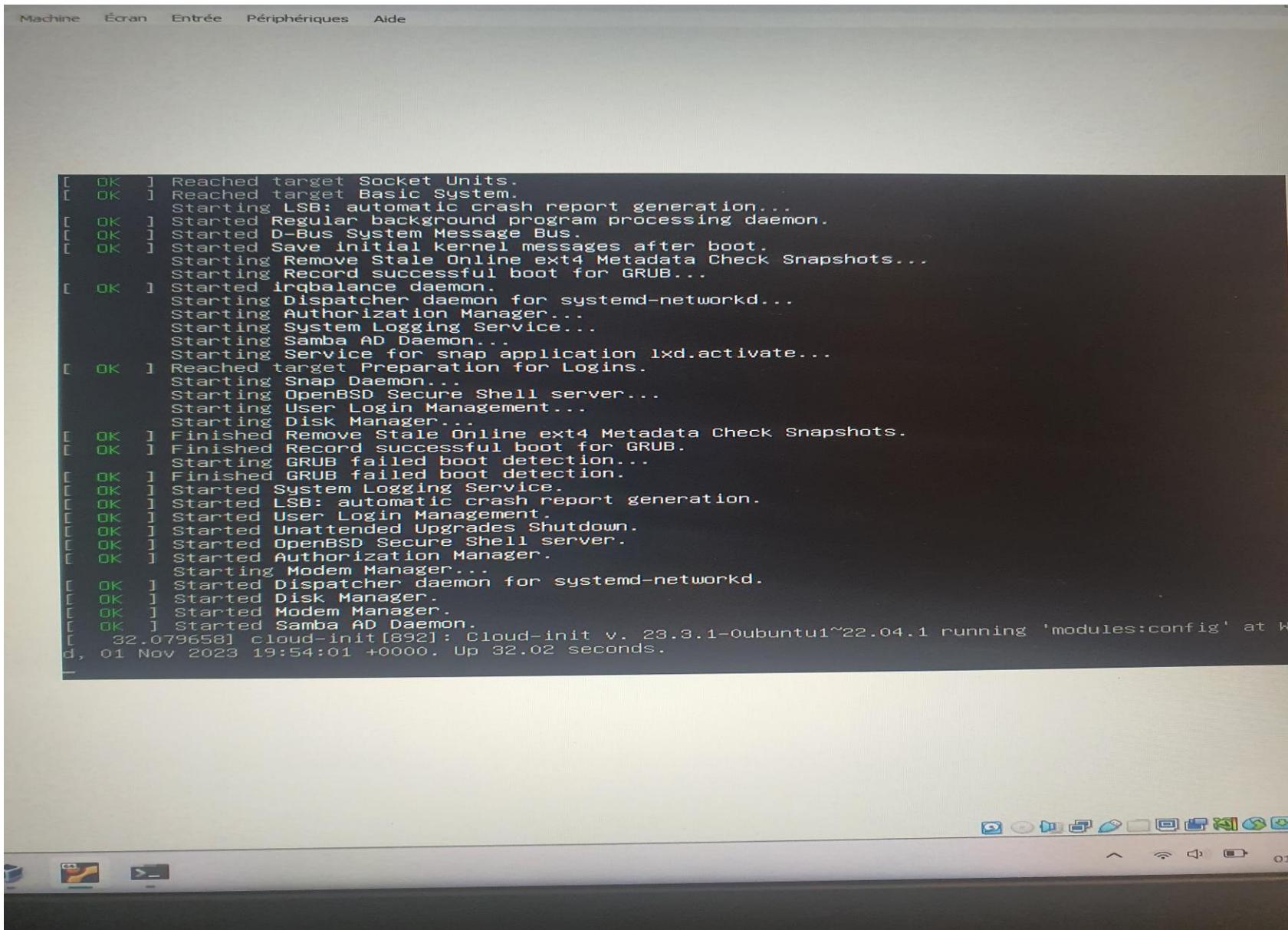
nameserver 10.0.2.10
options edns0 trust-ad
search homenet.com

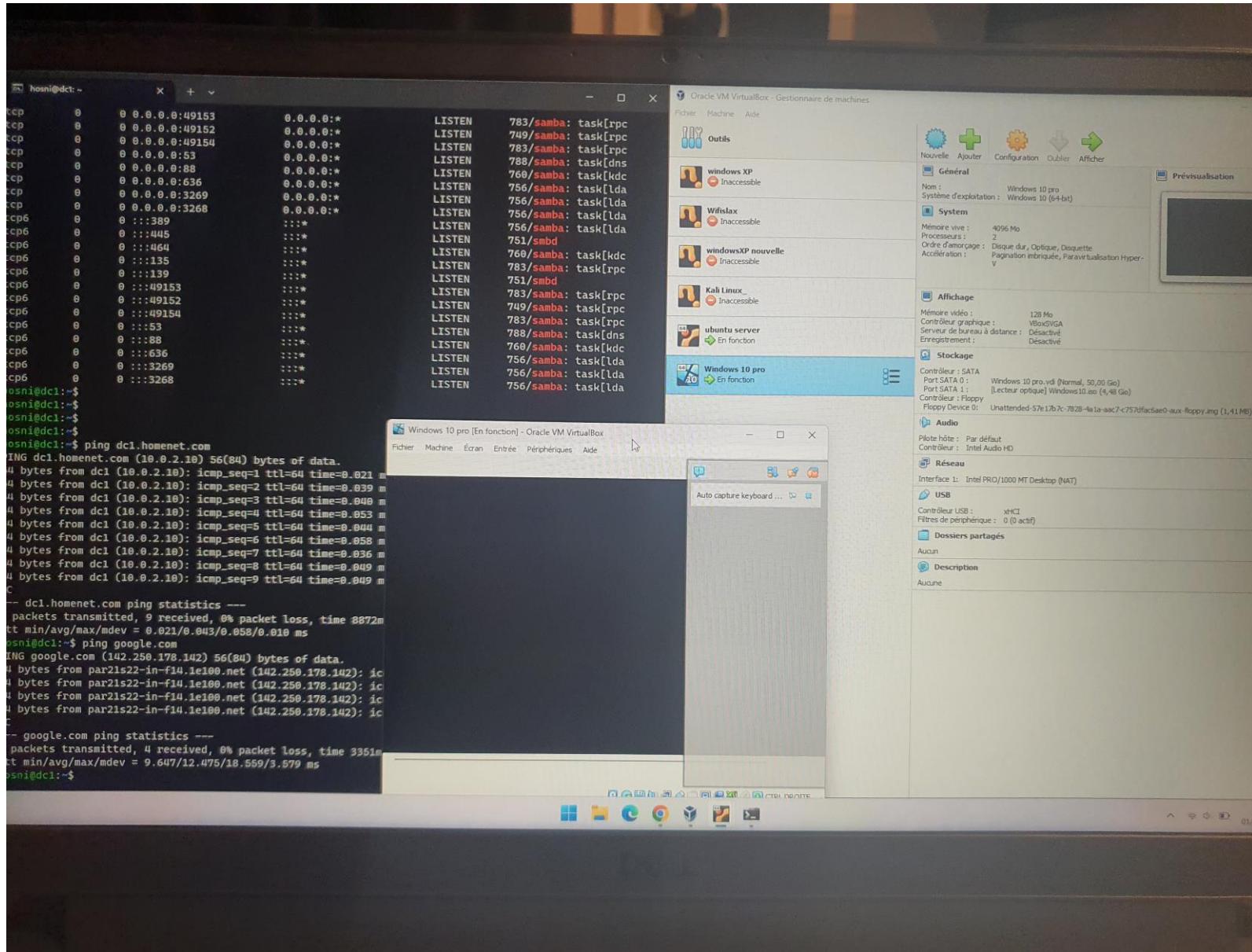
root@dc1:~# systemctl disable --now smbd nmbd winbind systemd-resolved.service
Failed to parse lines 'ow'
root@dc1:~# systemctl disable --now smbd nmbd winbind systemd-resolved.service
Failed to parse lines 'ow'
root@dc1:~# sudo systemctl disable smbd nmbd winbind systemd-resolved
Synchronizing state of smbd.service with SysV service script with /lib/systemd/systemd-sysv-install.
Executing: /lib/systemd/systemd-sysv-install disable smbd
Synchronizing state of nmbd.service with SysV service script with /lib/systemd/systemd-sysv-install.
Executing: /lib/systemd/systemd-sysv-install disable nmbd
Synchronizing state of winbind.service with SysV service script with /lib/systemd/systemd-sysv-install
.
Executing: /lib/systemd/systemd-sysv-install disable winbind
Removed /etc/systemd/system/multi-user.target.wants/winbind.service.
Removed /etc/systemd/system/multi-user.target.wants/smbd.service.
Removed /etc/systemd/system/multi-user.target.wants/nmbd.service.
Removed /etc/systemd/system/multi-user.target.wants/systemd-resolved.service.
Removed /etc/systemd/system/dbus-org.freedesktop.resolve1.service.
root@dc1:~#
root@dc1:~#
root@dc1:~# systemctl unmask samba-ad-dc.service
Removed /etc/systemd/system/samba-ad-dc.service.
root@dc1:~#
```

```
# Run "resolvectl status" to see details about the uplink DNS servers
# currently in use.
#
# Third party programs should typically not access this file directly, but only
# through the symlink at /etc/resolv.conf. To manage man:resolv.conf(5) in a
# different way, replace this symlink by a static file or a different symlink.
#
# See man:systemd-resolved.service(8) for details about the supported modes of
# operation for /etc/resolv.conf.

nameserver 10.0.2.10
options edns0 trust-ad
search homenet.com

root@dcl:~# systemctl disable -now smbd nmbd winbind systemd-resolved.service
Failed to parse lines 'ow'
root@dcl:~# systemctl disable -now smbd nmbd winbind systemd-resolved.service
Failed to parse lines 'ow'
root@dcl:~# sudo systemctl disable smbd nmbd winbind systemd-resolved
Synchronizing state of smbd.service with SysV service script with /lib/systemd/systemd-sysv-install.
Executing: /lib/systemd/systemd-sysv-install disable smbd
Synchronizing state of nmbd.service with SysV service script with /lib/systemd/systemd-sysv-install.
Executing: /lib/systemd/systemd-sysv-install disable nmbd
Synchronizing state of winbind.service with SysV service script with /lib/systemd/systemd-sysv-install
-
Executing: /lib/systemd/systemd-sysv-install disable winbind
Removed /etc/systemd/system/multi-user.target.wants/winbind.service.
Removed /etc/systemd/system/multi-user.target.wants/smbd.service.
Removed /etc/systemd/system/multi-user.target.wants/nmbd.service.
Removed /etc/systemd/system/multi-user.target.wants/systemd-resolved.service.
Removed /etc/systemd/system/dbus-org.freedesktop.resolve1.service.
root@dcl:~#
root@dcl:~#
root@dcl:~#
root@dcl:~# systemctl unmask samba-ad-dc.service
Removed /etc/systemd/system/samba-ad-dc.service.
root@dcl:~# systemctl enable -now samba-ad-dc.service
Failed to parse lines 'ow'
root@dcl:~# sudo systemctl enable samba-ad-dc.service
Synchronizing state of samba-ad-dc.service with SysV service script with /lib/systemd/systemd-sysv-install.
Executing: /lib/systemd/systemd-sysv-install enable samba-ad-dc
Created symlink /etc/systemd/system/multi-user.target.wants/samba-ad-dc.service → /lib/systemd/system/
samba-ad-dc.service.
root@dcl:~# netstat -antp | egrep 'smbd|samba'
      0      0 0.0.0.0:445      0.0.0.0:*      LISTEN      2173/smbd
      0      0 0.0.0.0:139      0.0.0.0:*      LISTEN      2173/smbd
tcp6   0      0 ::1:445       ::/*        LISTEN      2173/smbd
tcp6   0      0 ::1:139       ::/*        LISTEN      2173/smbd
root@dcl:~#
```





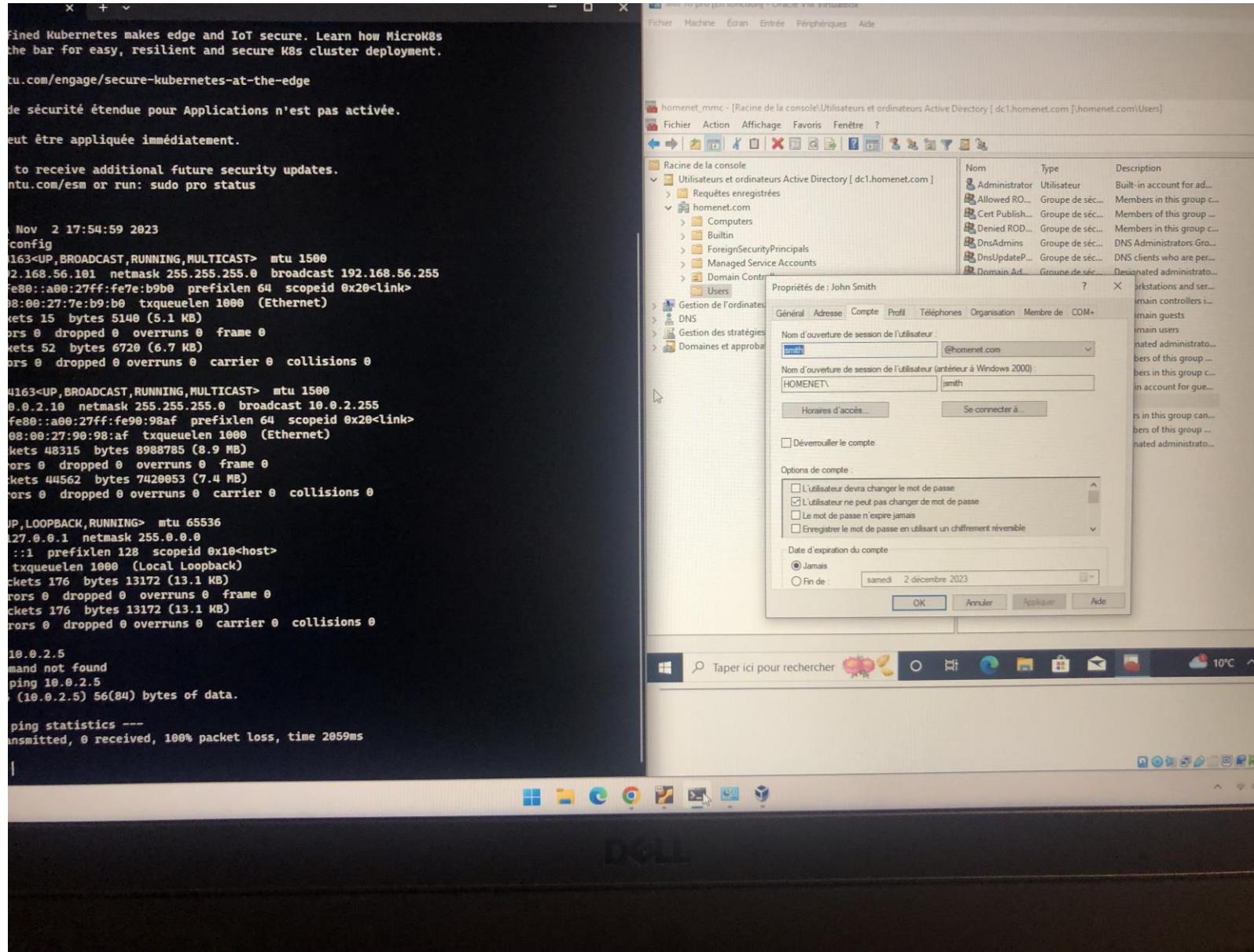
```
hosni@dcl: ~          X + ▾
0 mise à jour peut être appliquée immédiatement.

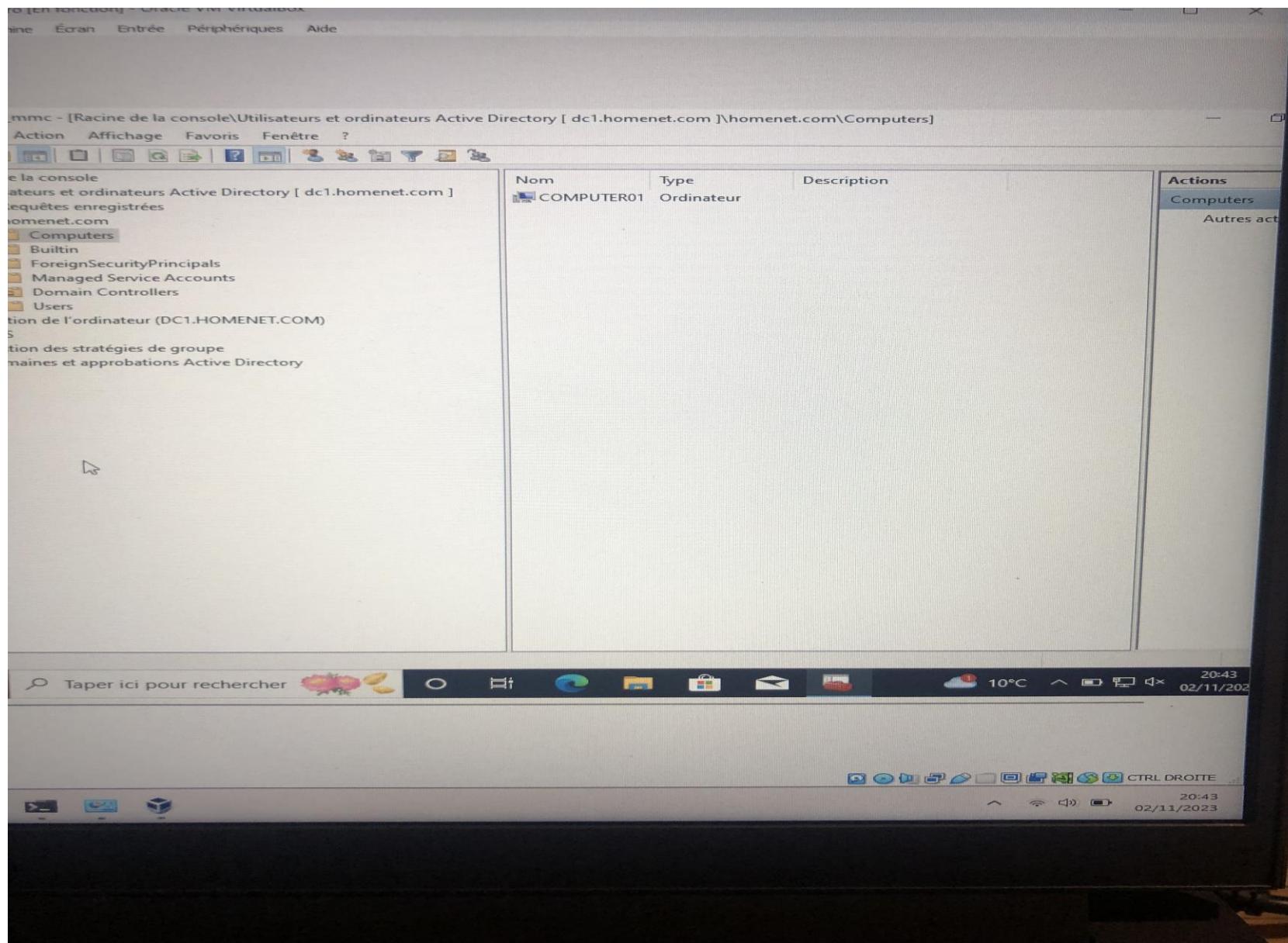
Enable ESM Apps to receive additional future security updates.
See https://ubuntu.com/esm or run: sudo pro status

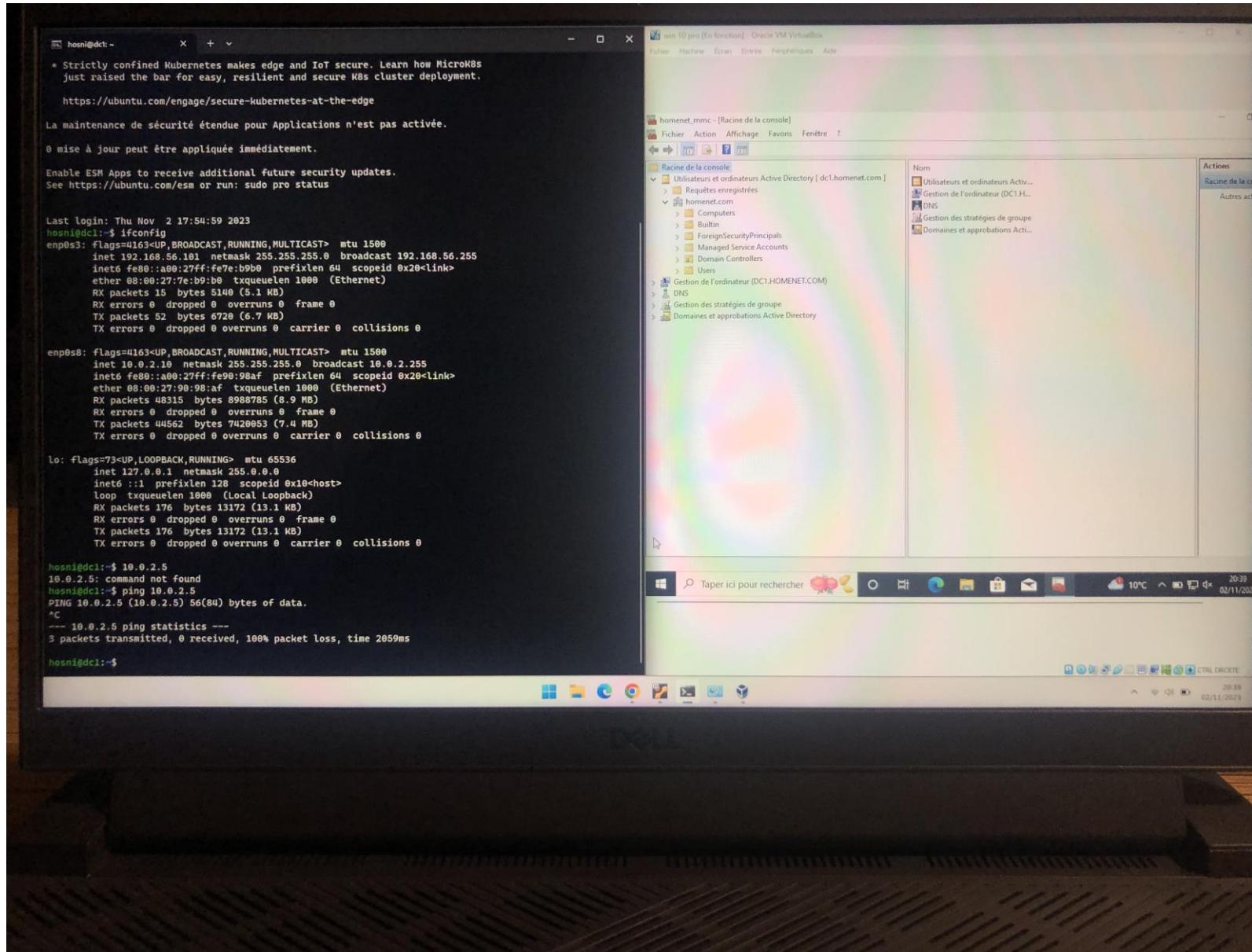
Last login: Wed Nov  1 19:57:49 2023
hosni@dcl:~$ su
Password:
root@dcl:/home/hosni# cd
root@dcl:~#
root@dcl:~#
root@dcl:~#
root@dcl:~#
root@dcl:~#
root@dcl:~#
root@dcl:~# samba
root@dcl:~#
root@dcl:~#
root@dcl:~# exit
exit
hosni@dcl:~$ 
hosni@dcl:~$ 
hosni@dcl:~$ sudo netstat -antp | egrep 'smbd|samba'
[sudo] password for hosni:
tcp      0      0.0.0.0:389           0.0.0.0:*          LISTEN      756/samba: task[lda
tcp      0      0.0.0.0:445           0.0.0.0:*          LISTEN      751/smbd
tcp      0      0.0.0.0:464           0.0.0.0:*          LISTEN      760/samba: task[kdc
tcp      0      0.0.0.0:135           0.0.0.0:*          LISTEN      783/samba: task[rpc
tcp      0      0.0.0.0:139           0.0.0.0:*          LISTEN      751/smbd
tcp      0      0.0.0.0:49153          0.0.0.0:*          LISTEN      783/samba: task[rpc
tcp      0      0.0.0.0:49152          0.0.0.0:*          LISTEN      749/samba: task[rpc
tcp      0      0.0.0.0:49154          0.0.0.0:*          LISTEN      783/samba: task[rpc
tcp      0      0.0.0.0:53            0.0.0.0:*          LISTEN      788/samba: task[dns
tcp      0      0.0.0.0:88            0.0.0.0:*          LISTEN      760/samba: task[kdc
tcp      0      0.0.0.0:636           0.0.0.0:*          LISTEN      756/samba: task[lda
tcp      0      0.0.0.0:3269          0.0.0.0:*          LISTEN      756/samba: task[lda
tcp      0      0.0.0.0:3268          0.0.0.0:*          LISTEN      756/samba: task[lda
tcp6     0      :::389             ::::*               LISTEN      751/smbd
tcp6     0      ::::445            ::::*               LISTEN      760/samba: task[kdc
tcp6     0      ::::464            ::::*               LISTEN      783/samba: task[rpc
tcp6     0      ::::135            ::::*               LISTEN      751/smbd
tcp6     0      ::::139            ::::*               LISTEN      783/samba: task[rpc
tcp6     0      ::::49153          ::::*               LISTEN      783/samba: task[rpc
tcp6     0      ::::49152          ::::*               LISTEN      749/samba: task[rpc
tcp6     0      ::::49154          ::::*               LISTEN      783/samba: task[rpc
tcp6     0      ::::53             ::::*               LISTEN      788/samba: task[dns
tcp6     0      ::::88             ::::*               LISTEN      760/samba: task[kdc
tcp6     0      ::::636            ::::*               LISTEN      756/samba: task[lda
tcp6     0      ::::3269           ::::*               LISTEN      756/samba: task[lda
tcp6     0      ::::3268           ::::*               LISTEN      756/samba: task[lda
hosni@dcl:~$ |
```

```
o      o  0.0.0.0:484 LISTEN
o      o  0.0.0.0:135 LISTEN
o      o  0.0.0.0:139 LISTEN
o      o  0.0.0.0:49153 LISTEN
o      o  0.0.0.0:49152 LISTEN
o      o  0.0.0.0:49154 LISTEN
o      o  0.0.0.0:53  LISTEN
o      o  0.0.0.0:88  LISTEN
o      o  0.0.0.0:636 LISTEN
o      o  0.0.0.0:3269 LISTEN
o      o  0.0.0.0:3268 LISTEN
tcp6  o  ::::389   LISTEN
tcp6  o  ::::445   LISTEN
tcp6  o  ::::464   LISTEN
tcp6  o  ::::135   LISTEN
tcp6  o  ::::139   LISTEN
tcp6  o  ::::49153 LISTEN
tcp6  o  ::::49152 LISTEN
tcp6  o  ::::49154 LISTEN
tcp6  o  ::::53    LISTEN
tcp6  o  ::::88    LISTEN
tcp6  o  ::::636   LISTEN
tcp6  o  ::::3269 LISTEN
tcp6  o  ::::3268 LISTEN
hosni@dc1:~$ ping dc1.homenet.com
PING dc1.homenet.com (10.0.2.10) 56(84) bytes of data.
64 bytes from dc1 (10.0.2.10): icmp_seq=1 ttl=64 time=0.021 ms
64 bytes from dc1 (10.0.2.10): icmp_seq=2 ttl=64 time=0.039 ms
64 bytes from dc1 (10.0.2.10): icmp_seq=3 ttl=64 time=0.040 ms
64 bytes from dc1 (10.0.2.10): icmp_seq=4 ttl=64 time=0.053 ms
64 bytes from dc1 (10.0.2.10): icmp_seq=5 ttl=64 time=0.044 ms
64 bytes from dc1 (10.0.2.10): icmp_seq=6 ttl=64 time=0.058 ms
64 bytes from dc1 (10.0.2.10): icmp_seq=7 ttl=64 time=0.036 ms
```

```
tcp        0      0 0.0.0.0:49154          0.0.0.0:*          LISTEN      788/samba: 
tcp        0      0 0.0.0.0:53           0.0.0.0:*          LISTEN      760/samba: 
tcp        0      0 0.0.0.0:88           0.0.0.0:*          LISTEN      756/samba: 
tcp        0      0 0.0.0.0:636          0.0.0.0:*          LISTEN      756/samba: 
tcp        0      0 0.0.0.0:3269          0.0.0.0:*          LISTEN      756/samba: 
tcp        0      0 0.0.0.0:3268          0.0.0.0:*          LISTEN      756/samba: 
tcp6       0      0 ::1:389             ::1:*              LISTEN      751/smbd 
tcp6       0      0 ::1:445             ::1:*              LISTEN      760/samba: 
tcp6       0      0 ::1:464             ::1:*              LISTEN      783/samba: 
tcp6       0      0 ::1:135             ::1:*              LISTEN      751/smbd 
tcp6       0      0 ::1:139             ::1:*              LISTEN      783/samba: 
tcp6       0      0 ::1:49153            ::1:*              LISTEN      749/samba: 
tcp6       0      0 ::1:49152            ::1:*              LISTEN      783/samba: 
tcp6       0      0 ::1:49154            ::1:*              LISTEN      788/samba: 
tcp6       0      0 ::1:53              ::1:*              LISTEN      760/samba: 
tcp6       0      0 ::1:88              ::1:*              LISTEN      756/samba: 
tcp6       0      0 ::1:636              ::1:*              LISTEN      756/samba: 
tcp6       0      0 ::1:3269             ::1:*              LISTEN      756/samba: 
tcp6       0      0 ::1:3268             ::1:*              LISTEN      756/samba: 
hosni@dcl:~$ 
hosni@dcl:~$ 
hosni@dcl:~$ 
hosni@dcl:~$ 
hosni@dcl:~$ ping dcl.homenet.com
PING dcl.homenet.com (10.0.2.10) 56(84) bytes of data.
64 bytes from dcl (10.0.2.10): icmp_seq=1 ttl=64 time=0.021 ms
64 bytes from dcl (10.0.2.10): icmp_seq=2 ttl=64 time=0.039 ms
64 bytes from dcl (10.0.2.10): icmp_seq=3 ttl=64 time=0.040 ms
64 bytes from dcl (10.0.2.10): icmp_seq=4 ttl=64 time=0.053 ms
64 bytes from dcl (10.0.2.10): icmp_seq=5 ttl=64 time=0.044 ms
64 bytes from dcl (10.0.2.10): icmp_seq=6 ttl=64 time=0.058 ms
64 bytes from dcl (10.0.2.10): icmp_seq=7 ttl=64 time=0.036 ms
64 bytes from dcl (10.0.2.10): icmp_seq=8 ttl=64 time=0.049 ms
64 bytes from dcl (10.0.2.10): icmp_seq=9 ttl=64 time=0.049 ms
^C
--- dcl.homenet.com ping statistics ---
9 packets transmitted, 9 received, 0% packet loss, time 8872ms
rtt min/avg/max/mdev = 0.021/0.043/0.058/0.010 ms
hosni@dcl:~$ ping google.com
PING google.com (142.250.178.142) 56(84) bytes of data.
64 bytes from par21s22-in-f14.1e100.net (142.250.178.142): icmp_seq=1 ttl=115 time=9.65 ms
64 bytes from par21s22-in-f14.1e100.net (142.250.178.142): icmp_seq=2 ttl=115 time=10.2 ms
64 bytes from par21s22-in-f14.1e100.net (142.250.178.142): icmp_seq=3 ttl=115 time=18.6 ms
64 bytes from par21s22-in-f14.1e100.net (142.250.178.142): icmp_seq=4 ttl=115 time=11.5 ms
^C
--- google.com ping statistics ---
4 packets transmitted, 4 received, 0% packet loss, time 3351ms
rtt min/avg/max/mdev = 9.647/12.475/18.559/3.579 ms
hosni@dcl:~$ |
```

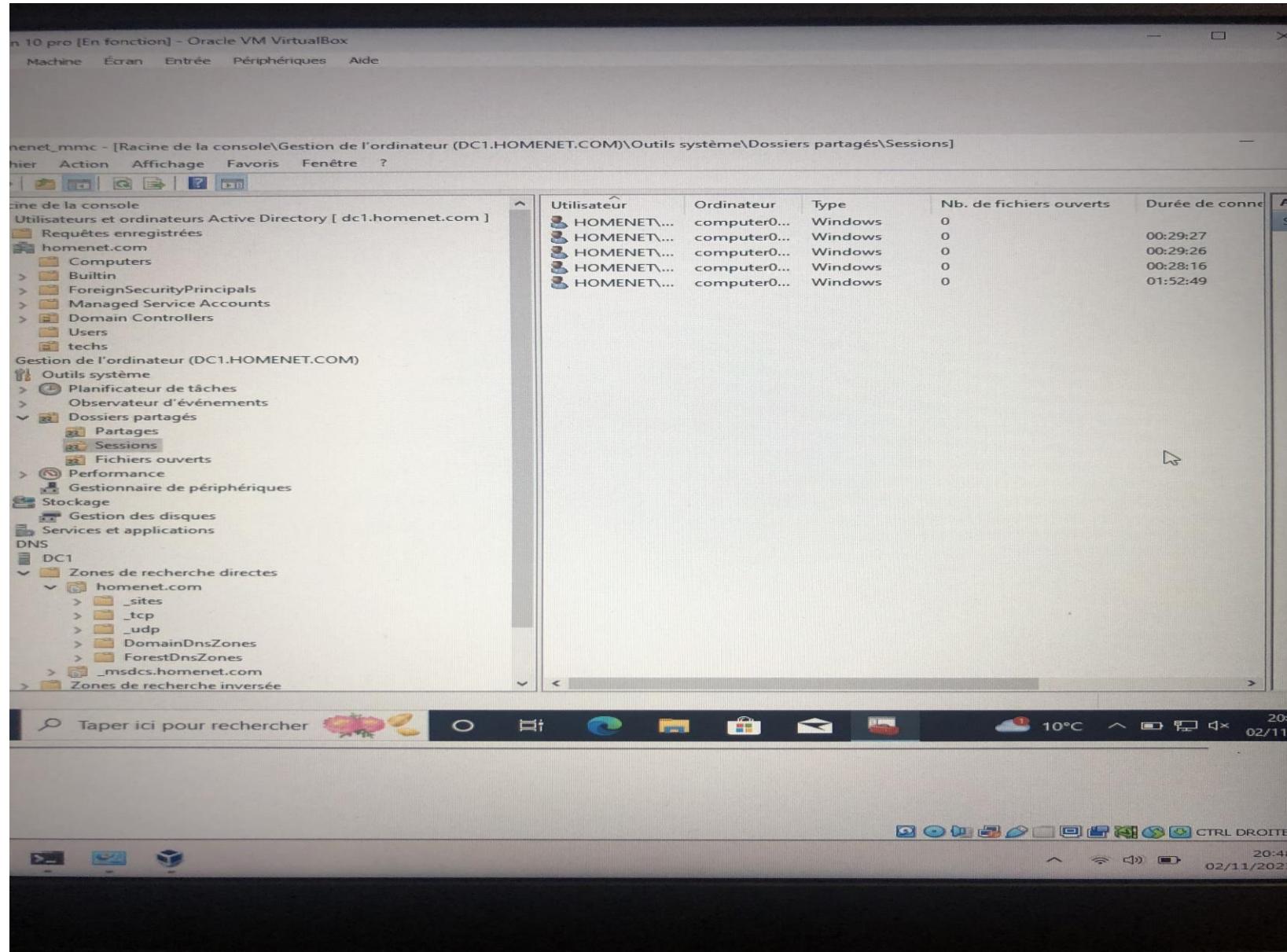






```
hosni@dc1:~$ ifconfig  
TX packets 52 bytes 6720 (6.7 KB)  
TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0  
  
enp0s8: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500  
inet 10.0.2.10 netmask 255.255.255.0 broadcast 10.0.2.255  
inet6 fe80::a00:27ff:fe90:98af prefixlen 64 scopeid 0x20<link>  
ether 08:00:27:90:98:af txqueuelen 1000 (Ethernet)  
RX packets 48315 bytes 8988785 (8.9 MB)  
RX errors 0 dropped 0 overruns 0 frame 0  
TX packets 44562 bytes 7428053 (7.4 MB)  
TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0  
  
lo: flags=73<UP,LOOPBACK,RUNNING> mtu 65536  
inet 127.0.0.1 netmask 255.0.0.0  
inet6 ::1 prefixlen 128 scopeid 0x10<host>  
loop txqueuelen 1000 (Local Loopback)  
RX packets 176 bytes 13172 (13.1 KB)  
RX errors 0 dropped 0 overruns 0 frame 0  
TX packets 176 bytes 13172 (13.1 KB)  
TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0  
  
hosni@dc1:~$ 10.0.2.5  
10.0.2.5: command not found  
hosni@dc1:~$ ping 10.0.2.5  
PING 10.0.2.5 (10.0.2.5) 56(84) bytes of data.  
^C  
--- 10.0.2.5 ping statistics ---  
3 packets transmitted, 0 received, 100% packet loss, time 2059ms  
  
hosni@dc1:~$ cat /etc/samba/smb.conf  
# Global parameters  
[global]  
dns forwarder = 8.8.8.8  
netbios name = DC1  
realm = HOMENET.COM  
server role = active directory domain controller  
workgroup = HOMENET  
idmap_ldb:use rfc2387 = yes  
  
[sysvol]  
path = /var/lib/samba/sysvol  
read only = No  
  
[netlogon]  
path = /var/lib/samba/sysvol/homenet.com/scripts  
read only = No  
hosni@dc1:~$ |
```





la console\DNS\DC1\Zones de recherche directes\homenet.com]

Favoris Fenêtre ?

Connexion Active Directory [ dc1.homenet.com ]

Principaux : Accounts : Groupe

[DC1.HOMENET.COM]

Zones de recherche directes

Zone inversée

éditionnels

Le groupe

Connexion Active Directory

Nom	Type	Données	Actions
_sites	Source de nom (SOA)	[1], dc1.homenet.com.	homene
_tcp	Serveur de noms (NS)	dc1.homenet.com.	Aut
_udp	Hôte (A)	10.0.2.10	
DomainDnsZones	Hôte (A)	10.0.2.20	
ForestDnsZones	Hôte (A)	10.0.2.10	
(identique au dossier parent)			
(identique au dossier parent)			
(identique au dossier parent)			
computer01			
dc1			

Sur chercher 10°C 20/10 02/11

CTRL DROITE 20:45

```
lo: flags=73<UP,LOOPBACK,RUNNING> mtu 65536
    inet 127.0.0.1 netmask 255.0.0.0
        inetc :::1 prefixlen 128 scopeid 0x10<host>
        loop txqueuelen 1000 (Local Loopback)
            RX packets 176 bytes 13172 (13.1 KB)
            RX errors 0 dropped 0 overruns 0 frame 0
            TX packets 176 bytes 13172 (13.1 KB)
            TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

hosni@dc1:~$ 10.0.2.5
10.0.2.5: command not found
hosni@dc1:~$ ping 10.0.2.5
PING 10.0.2.5 (10.0.2.5) 56(84) bytes of data.
^C
--- 10.0.2.5 ping statistics ---
3 packets transmitted, 0 received, 100% packet loss, time 2059ms

hosni@dc1:~$ cat /etc/samba/smb.conf
# Global parameters
[global]
    dns forwarder = 8.8.8.8
    netbios name = DC1
    realm = HOMENET.COM
    server role = active directory domain controller
    workgroup = HOMENET
    idmap_ldb:use rfc2307 = yes

[sysvol]
    path = /var/lib/samba/sysvol
    read only = No

[netlogon]
    path = /var/lib/samba/sysvol/homenet.com/scripts
    read only = No
hosni@dc1:~$ 
hosni@dc1:~$ 
hosni@dc1:~$ 
hosni@dc1:~$ sudo smbclient -L localhost -N
[sudo] password for hosni:
Anonymous login successful

      Sharename          Type          Comment
      -----          ----          -----
      sysvol           Disk
      netlogon         Disk
      IPC$             IPC          IPC Service (Samba 4.15.13-Ubuntu)
SMB1 disabled -- no workgroup available
hosni@dc1:~$
```



```
# Global parameters
[global]
    dns forwarder = 8.8.8.8
    netbios name = DC1
    realm = HOMENET.COM
    server role = active directory domain controller
    workgroup = HOMENET
    idmap_ldap:use rfc2387 = yes

[sysvol]
    path = /var/lib/samba/sysvol
    read only = No

[netlogon]
    path = /var/lib/samba/sysvol/homenet.com/scripts
    read only = No

[apps]
    path = /var/lib/samba/sysvol/homenet.com/apps
    read only = yes

[data]
    path = /var/lib/samba/sysvol/homenet.com/data
    read only = no |
```

```
hosni@dc1:~$ cat /etc/samba/smb.conf
# Global parameters
[global]
    dns forwarder = 8.8.8.8
    netbios name = DC1
    realm = HOMENET.COM
    server role = active directory domain controller
    workgroup = HOMENET
    idmap_ldap:use rfc2307 = yes

[sysvol]
    path = /var/lib/samba/sysvol
    read only = No

[netlogon]
    path = /var/lib/samba/sysvol/homenet.com/scripts
    read only = No
hosni@dc1:~$ 
hosni@dc1:~$ 
hosni@dc1:~$ 
hosni@dc1:~$ sudo smbclient -L localhost -N
[sudo] password for hosni:
Anonymous login successful

      Sharename          Type      Comment
      ----              ----
      sysvol            Disk
      netlogon          Disk
      IPC$              IPC       IPC Service (Samba 4.15.13-Ubuntu)
SMB1 disabled -- no workgroup available
hosni@dc1:~$ cat /etc/samba/smb.conf
# Global parameters
[global]
    dns forwarder = 8.8.8.8
    netbios name = DC1
    realm = HOMENET.COM
    server role = active directory domain controller
    workgroup = HOMENET
    idmap_ldap:use rfc2307 = yes

[sysvol]
    path = /var/lib/samba/sysvol
    read only = No

[netlogon]
    path = /var/lib/samba/sysvol/homenet.com/scripts
    read only = No
hosni@dc1:~$ sudo mkdir -p /var/lib/samba/sysvol/homenet.com/apps
hosni@dc1:~$ sudo mkdir -p /var/lib/samba/sysvol/homenet.com/data
hosni@dc1:~$
```

```
hosni@dc1:~$ 
hosni@dc1:~$ 
hosni@dc1:~$ 
hosni@dc1:~$ sudo smbclient -L localhost -N
[sudo] password for hosni:
Anonymous login successful

      Sharename          Type        Comment
      ----              ----
      sysvol            Disk
      netlogon          Disk
      IPC$              IPC Service (Samba 4.15.13-Ubuntu)
SMB1 disabled -- no workgroup available
hosni@dc1:~$ cat /etc/samba/smb.conf
# Global parameters
[global]
dns forwarder = 8.8.8.8
netbios name = DC1
realm = HOMENET.COM
server role = active directory domain controller
workgroup = HOMENET
idmap_ldb:use rfc2387 = yes

[sysvol]
path = /var/lib/samba/sysvol
read only = No

[netlogon]
path = /var/lib/samba/sysvol/homenet.com/scripts
read only = No
hosni@dc1:~$ sudo mkdir -p /var/lib/samba/sysvol/homenet.com/apps
hosni@dc1:~$ sudo mkdir -p /var/lib/samba/sysvol/homenet.com/data
hosni@dc1:~$ sudo vi /etc/samba/smb.conf
hosni@dc1:~$ 
hosni@dc1:~$ sudo vi /etc/samba/smb.conf
hosni@dc1:~$ 
hosni@dc1:~$ 
hosni@dc1:~$ 
hosni@dc1:~$ sudo smbclient -L localhost -N
Anonymous login successful

      Sharename          Type        Comment
      ----              ----
      sysvol            Disk
      netlogon          Disk
      apps              Disk
      data              Disk
      IPC$              IPC Service (Samba 4.15.13-Ubuntu)
SMB1 disabled -- no workgroup available
hosni@dc1:~$ |
```

```
hosni@dc1: ~
```

sysvol	Disk	
netlogon	Disk	
IPC\$	IPC	IPC Service (Samba 4.15.13-Ubuntu)

```
SMB1 disabled -- no workgroup available
hosni@dc1:~$ cat /etc/samba/smb.conf
# Global parameters
[global]
dns forwarder = 8.8.8.8
netbios name = DC1
realm = HOMENET.COM
server role = active directory domain controller
workgroup = HOMENET
idmap_ldb:use rfc2307 = yes

[sysvol]
path = /var/lib/samba/sysvol
read only = No

[netlogon]
path = /var/lib/samba/sysvol/homenet.com/scripts
read only = No
hosni@dc1:~$ sudo mkdir -p /var/lib/samba/sysvol/homenet.com/apps
hosni@dc1:~$ sudo mkdir -p /var/lib/samba/sysvol/homenet.com/data
hosni@dc1:~$ sudo vi /etc/samba/smb.conf
hosni@dc1:~$ hosni@dc1:~$ 
hosni@dc1:~$ 
hosni@dc1:~$ sudo vi /etc/samba/smb.conf
hosni@dc1:~$ 
hosni@dc1:~$ 
hosni@dc1:~$ 
hosni@dc1:~$ sudo smbclient -L localhost -N
Anonymous login successful

Sharename          Type      Comment
-----            ----
sysvol            Disk
netlogon          Disk
apps              Disk
data              Disk
IPC$              IPC      IPC Service (Samba 4.15.13-Ubuntu)
SMB1 disabled -- no workgroup available
hosni@dc1:~$ ls -l /var/lib/samba/sysvol/homenet.com/
ls: cannot access '/var/lib/samba/sysvol/homenet.com/': Permission denied
hosni@dc1:~$ sudo ls -l /var/lib/samba/sysvol/homenet.com/
total 32
drwxrwx---+ 2 root root    4096 nov.   2 19:51 apps
drwxrwx---+ 2 root root    4096 nov.   2 19:52 data
drwxrwx---+ 4 root root 3000000 4096 nov.   1 19:39 Policies
drwxrwx---+ 2 root root 3000000 4096 nov.   1 19:39 scripts
hosni@dc1:~$ |
```

```
[sysvol]
  path = /var/lib/samba/sysvol
  read only = No

[netlogon]
  path = /var/lib/samba/sysvol/homenet.com/scripts
  read only = No
hosni@dc1:~$ 
hosni@dc1:~$ 
hosni@dc1:~$ 
hosni@dc1:~$ sudo smbclient -L localhost -N
[sudo] password for hosni:
Anonymous login successful

      Sharename          Type      Comment
-----  -----
  sysvol            Disk
  netlogon          Disk
  IPC$              IPC       IPC Service (Samba 4.15.13-Ubuntu)
SMB1 disabled -- no workgroup available
hosni@dc1:~$ cat /etc/samba/smb.conf
# Global parameters
[global]
  dns forwarder = 8.8.8.8
  netbios name = DC1
  realm = HOMENET.COM
  server role = active directory domain controller
  workgroup = HOMENET
  idmap_ldap:use rfc2307 = yes

[sysvol]
  path = /var/lib/samba/sysvol
  read only = No

[netlogon]
  path = /var/lib/samba/sysvol/homenet.com/scripts
  read only = No
hosni@dc1:~$ sudo mkdir -p /var/lib/samba/sysvol/homenet.com/apps
hosni@dc1:~$ sudo mkdir -p /var/lib/samba/sysvol/homenet.com/data
hosni@dc1:~$ sudo vi /etc/samba/smb.conf
hosni@dc1:~$ hosni@dc1:~$ 
hosni@dc1:~$ 
hosni@dc1:~$ sudo vi /etc/samba/smb.conf
hosni@dc1:~$ 
hosni@dc1:~$ 
hosni@dc1:~$ 
hosni@dc1:~$ |
```



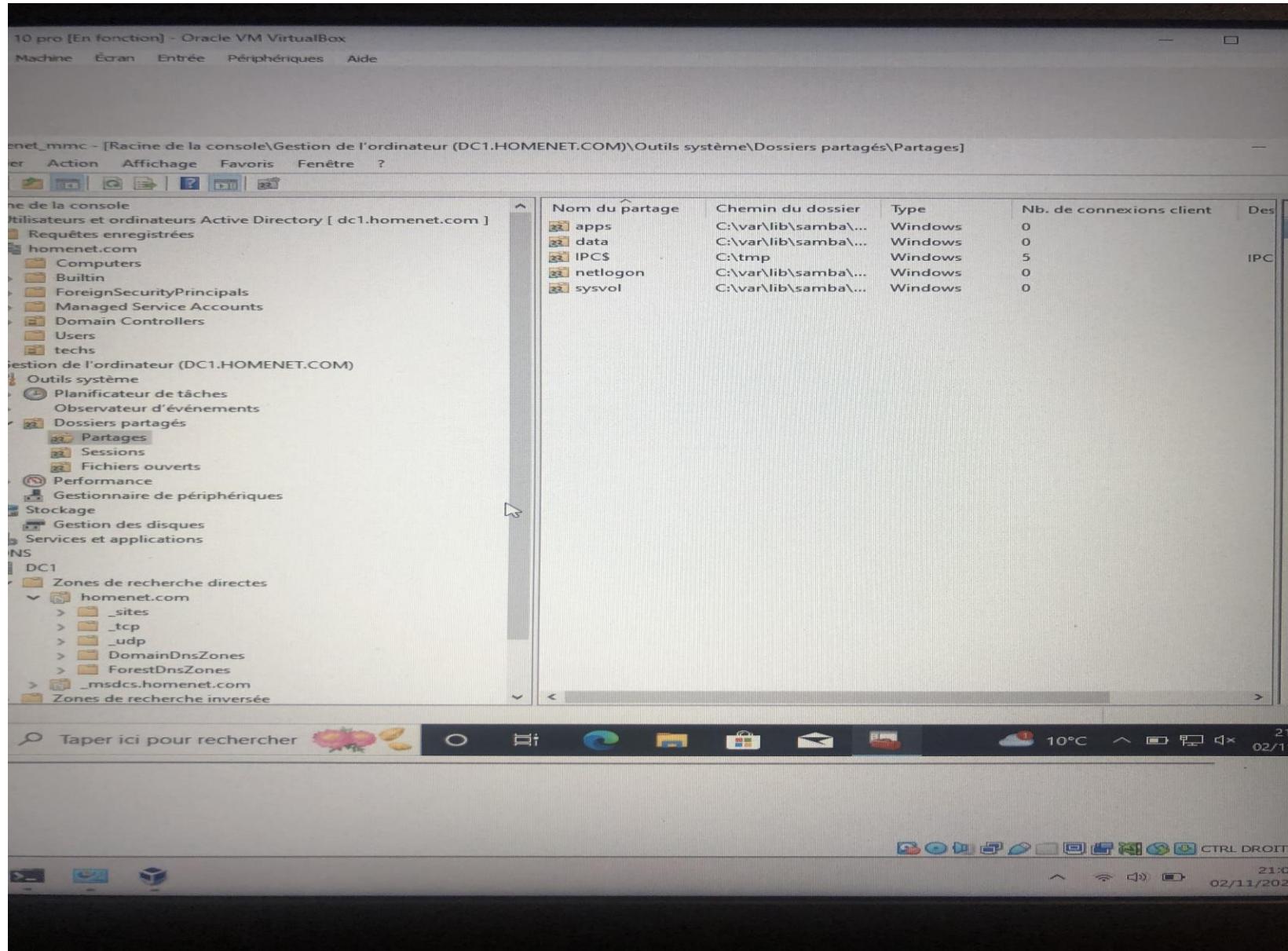
```
        idmap_ldap:use rfc2387 = yes

[sysvol]
    path = /var/lib/samba/sysvol
    read only = No

[netlogon]
    path = /var/lib/samba/sysvol/homenet.com/scripts
    read only = No
hosni@dc1:~$ sudo mkdir -p /var/lib/samba/sysvol/homenet.com/apps
hosni@dc1:~$ sudo mkdir -p /var/lib/samba/sysvol/homenet.com/data
hosni@dc1:~$ sudo vi /etc/samba/smb.conf
hosni@dc1:~$ hosni@dc1:~$
hosni@dc1:~$ sudo vi /etc/samba/smb.conf
hosni@dc1:~$ hosni@dc1:~$
hosni@dc1:~$ hosni@dc1:~$ sudo smbclient -L localhost -N
Anonymous login successful

      Sharename          Type          Comment
-----  -----  -----
sysvol            Disk
netlogon          Disk
apps              Disk
data               Disk
IPC$              IPC          IPC Service (Samba 4.15.13-Ubuntu)
SMB1 disabled -- no workgroup available
hosni@dc1:~$ ls -l /var/lib/samba/sysvol/homenet.com/
ls: cannot access '/var/lib/samba/sysvol/homenet.com/': Permission denied
hosni@dc1:~$ sudo ls -l /var/lib/samba/sysvol/homenet.com/
total 32
drwxrwx---+ 2 root root    4096 nov.   2 19:51 apps
drwxrwx---+ 2 root root    4096 nov.   2 19:52 data
drwxrwx---+ 4 root 3000000 4096 nov.   1 19:39 Policies
drwxrwx---+ 2 root 3000000 4096 nov.   1 19:39 scripts
hosni@dc1:~$ sudo chmod 775 /var/lib/samba/sysvol/homenet.com/apps
hosni@dc1:~$ sudo chmod 775 /var/lib/samba/sysvol/homenet.com/data
hosni@dc1:~$ hosni@dc1:~$ hosni@dc1:~$ hosni@dc1:~$ hosni@dc1:~$ hosni@dc1:~$ sudo ls -l /var/lib/samba/sysvol/homenet.com
total 32
drwxrwxr-x+ 2 root root    4096 nov.   2 19:51 apps
drwxrwxr-x+ 2 root root    4096 nov.   2 19:52 data
drwxrwx---+ 4 root 3000000 4096 nov.   1 19:39 Policies
drwxrwx---+ 2 root 3000000 4096 nov.   1 19:39 scripts
hosni@dc1:~$ |
```





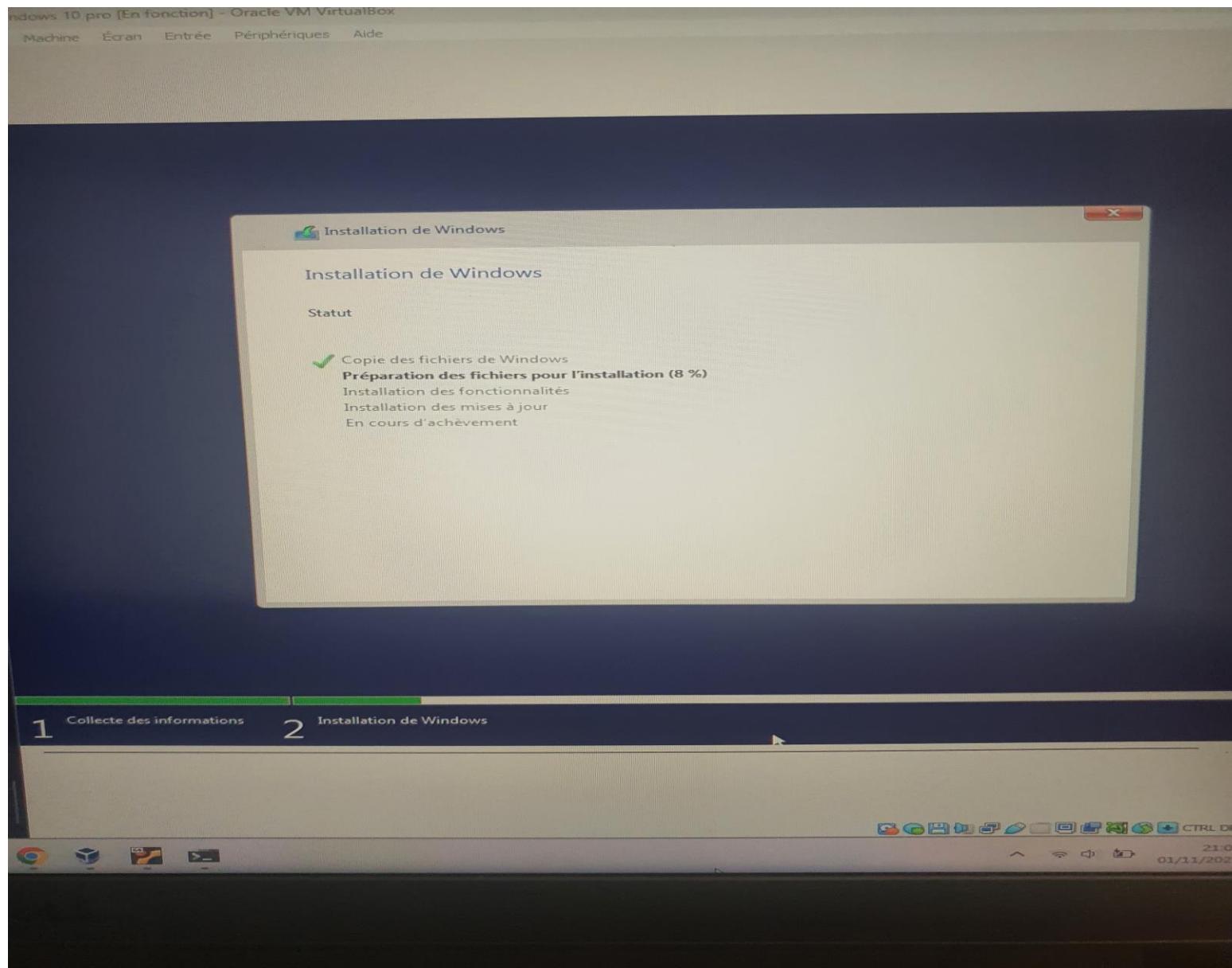
```
[global]
    dns forwarder = 8.8.8.8
    netbios name = DC1
    realm = HOMENET.COM
    server role = active directory domain controller
    workgroup = HOMENET
    idmap_ldb:use rfc2307 = yes

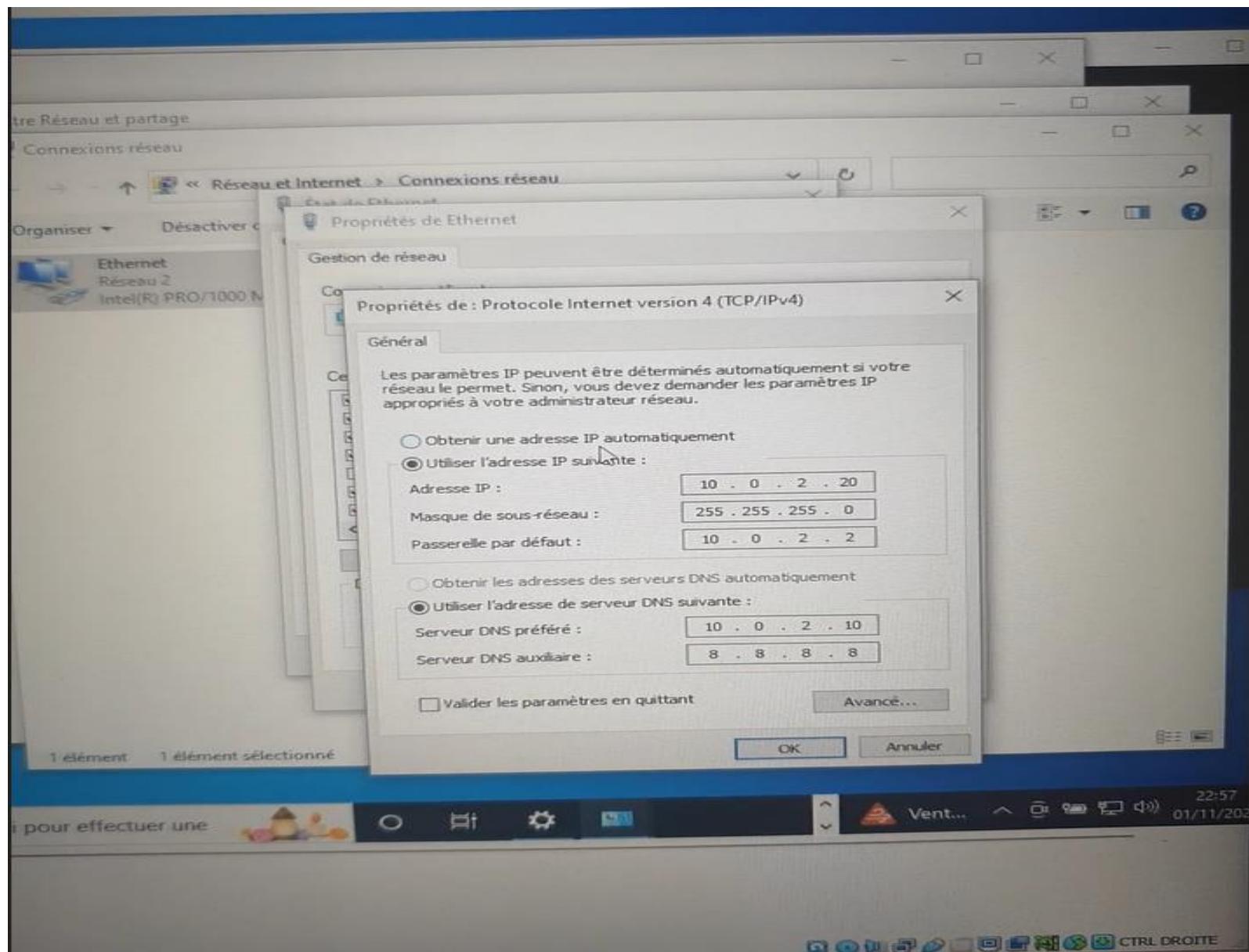
[sysvol]
    path = /var/lib/samba/sysvol
    read only = No

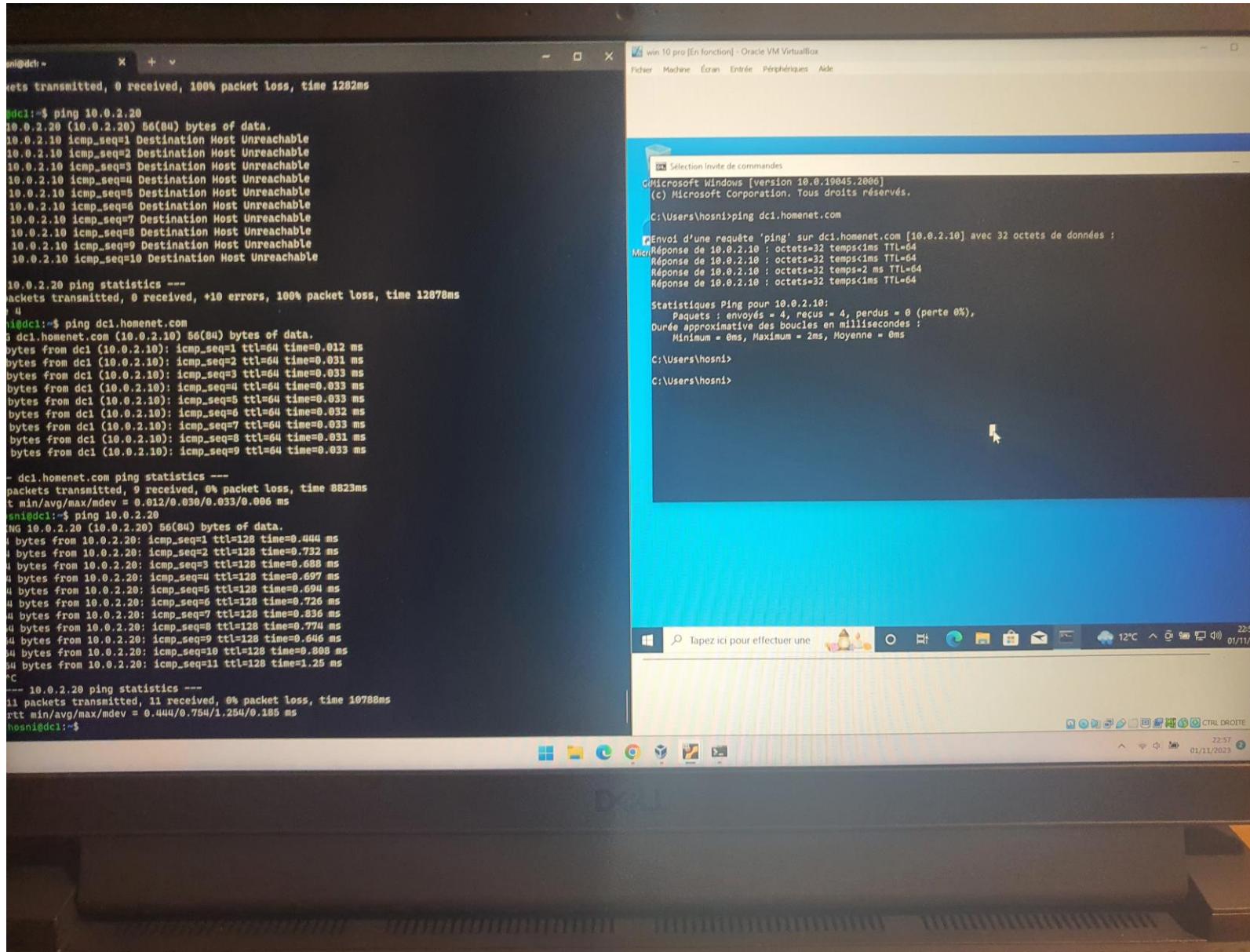
[netlogon]
    path = /var/lib/samba/sysvol/homenet.com/scripts
    read only = No
hosni@dc1:~$ sudo mkdir -p /var/lib/samba/sysvol/homenet.com/apps
hosni@dc1:~$ sudo mkdir -p /var/lib/samba/sysvol/homenet.com/data
hosni@dc1:~$ sudo vi /etc/samba/smb.conf
hosni@dc1:~$ hosni@dc1:~$
hosni@dc1:~$ hosni@dc1:~$ sudo vi /etc/samba/smb.conf
hosni@dc1:~$ hosni@dc1:~$ sudo smbclient -L localhost -N
Anonymous login successful

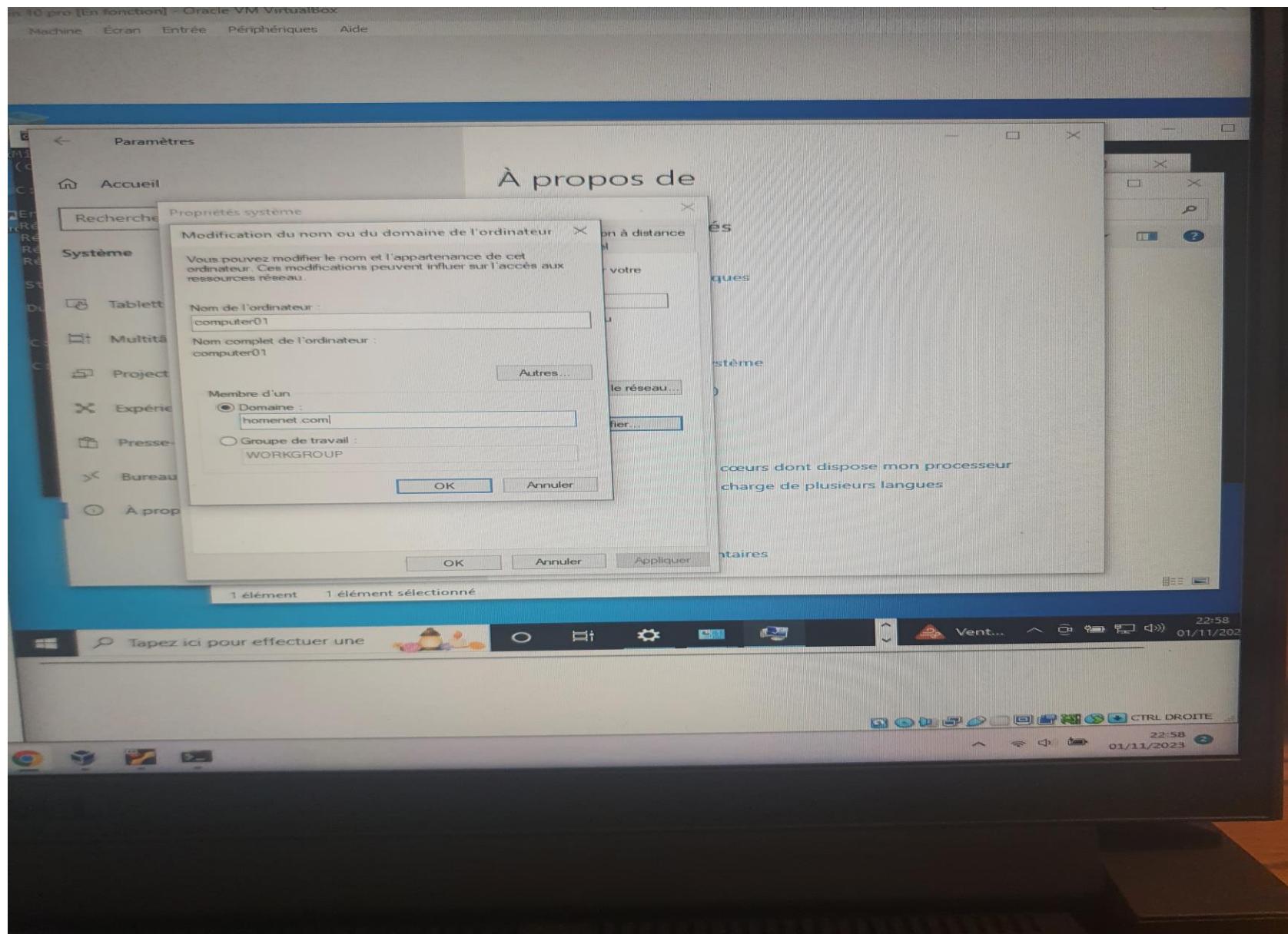
      Sharename          Type        Comment
-----  -----
      sysvol            Disk
      netlogon          Disk
      apps              Disk
      data              Disk
      IPC$              IPC Service (Samba 4.15.13-Ubuntu)
SMB1 disabled -- no workgroup available
hosni@dc1:~$ ls -l /var/lib/samba/sysvol/homenet.com/
ls: cannot access '/var/lib/samba/sysvol/homenet.com/': Permission denied
hosni@dc1:~$ sudo ls -l /var/lib/samba/sysvol/homenet.com/
total 32
drwxrwx---+ 2 root root   4096 nov.  2 19:51 apps
drwxrwx---+ 2 root root   4096 nov.  2 19:52 data
drwxrwx---+ 4 root 3000000 4096 nov.  1 19:39 Policies
drwxrwx---+ 2 root 3000000 4096 nov.  1 19:39 scripts
hosni@dc1:~$ sudo chmod 775 /var/lib/samba/sysvol/homenet.com/apps
hosni@dc1:~$ sudo chmod 775 /var/lib/samba/sysvol/homenet.com/data
hosni@dc1:~$ hosni@dc1:~$ hosni@dc1:~$ hosni@dc1:~$ hosni@dc1:~$ hosni@dc1:~$ |
```

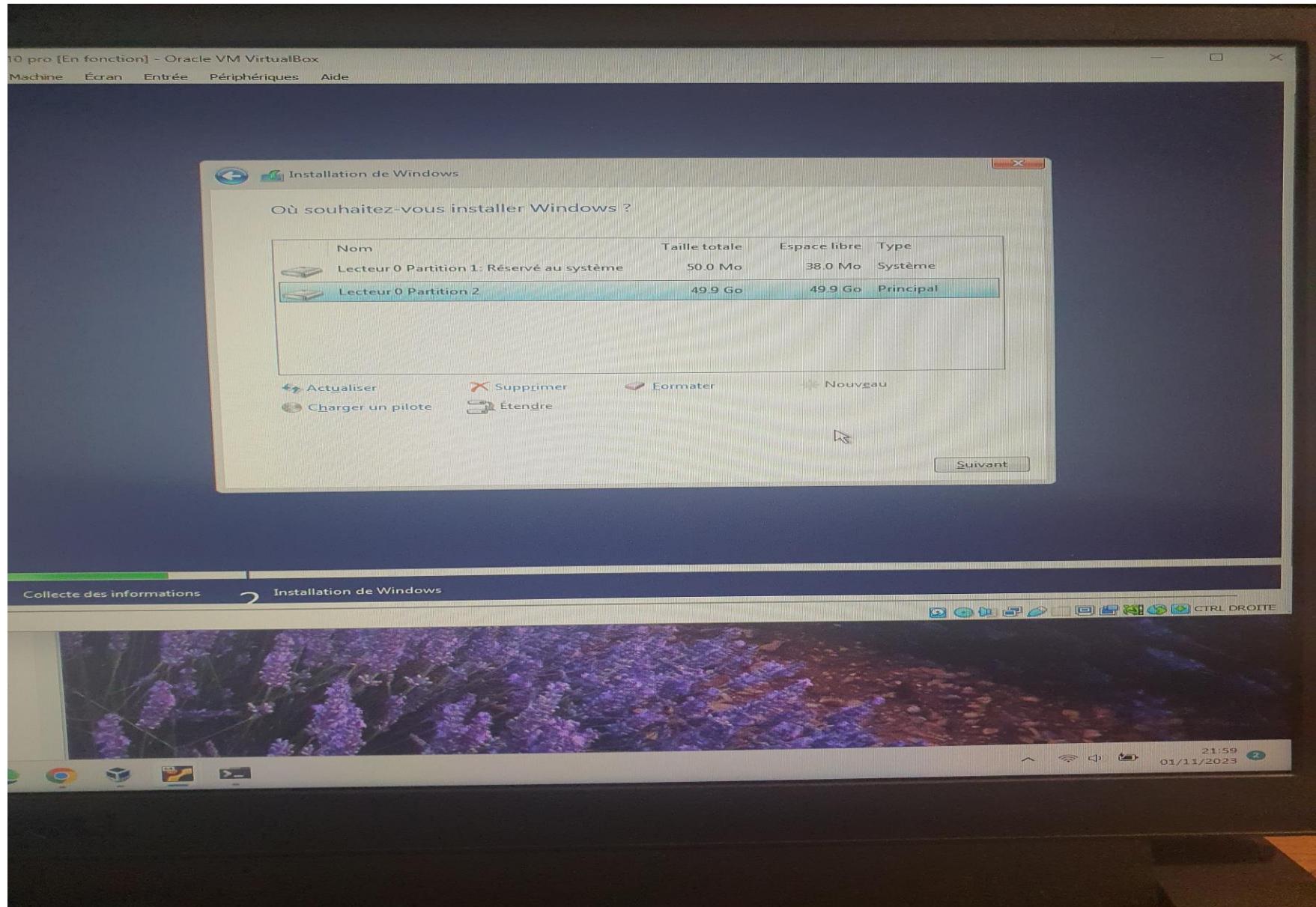


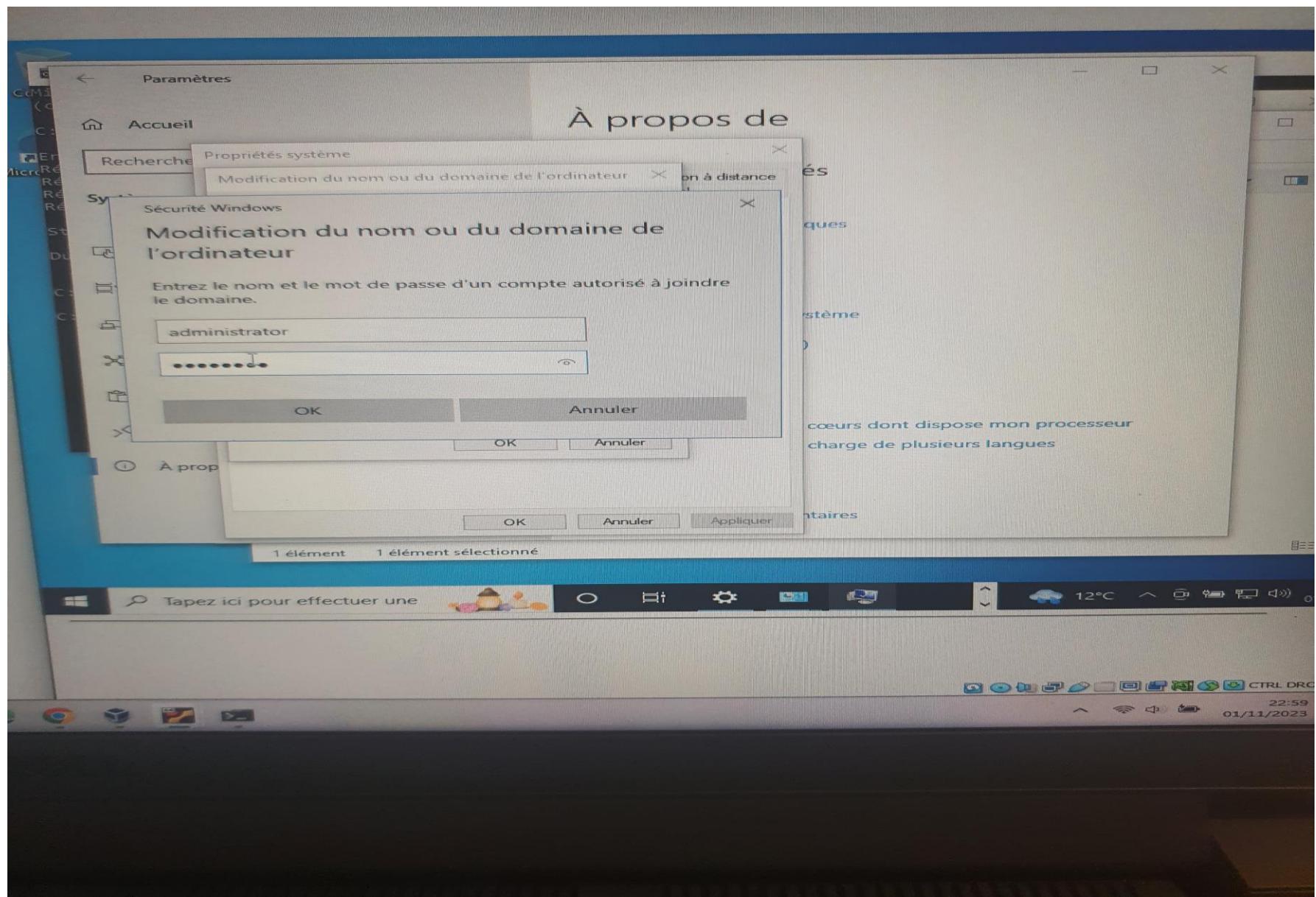


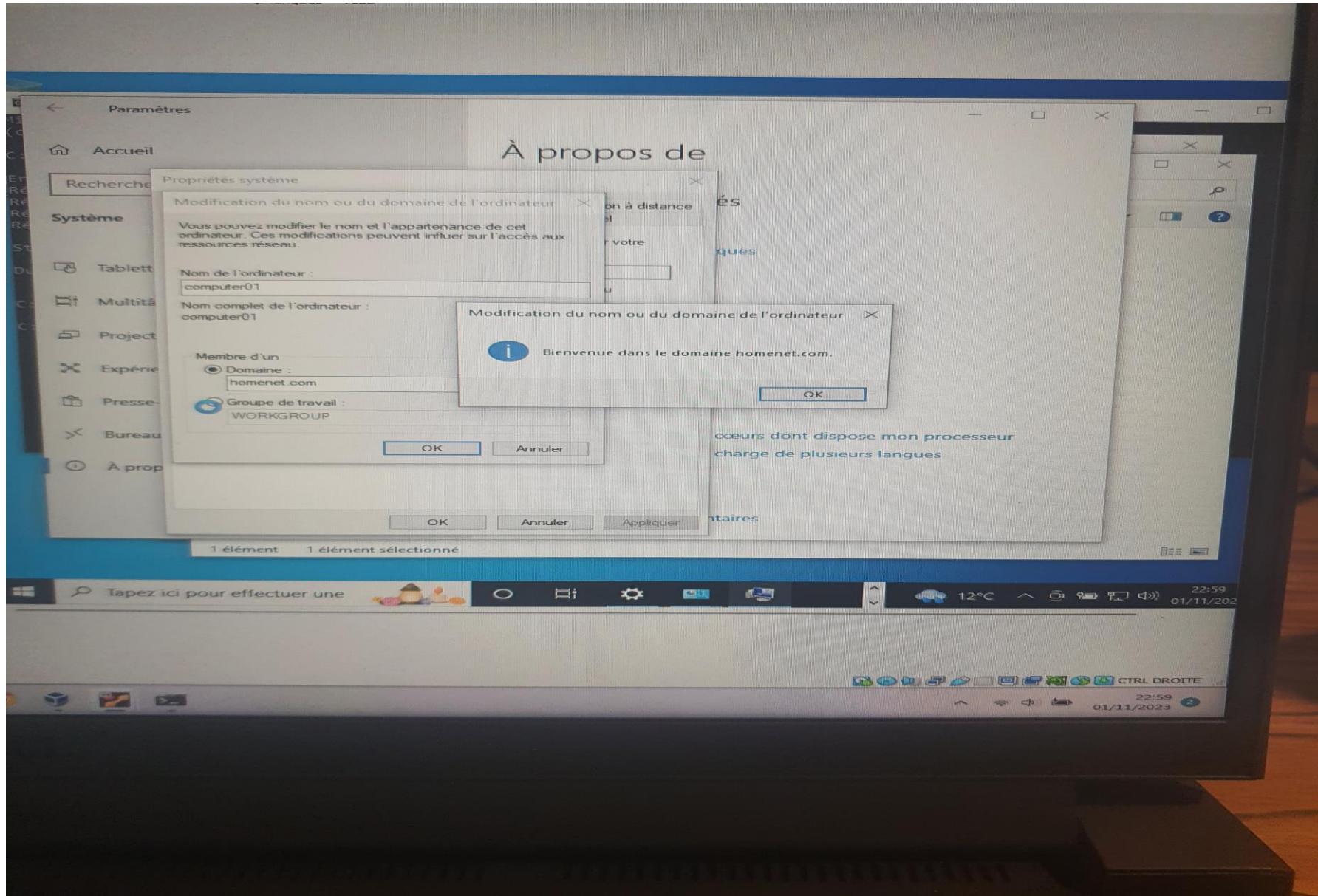












Corbeille

## DÉMARRER

### Productivité



Office



Microsoft Edge



Microsoft Store

Modifier les paramètres de compte

Verrouiller

Se déconnecter

Changer d'utilisateur

administrator

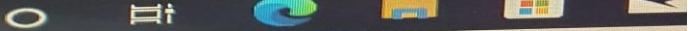
Documents

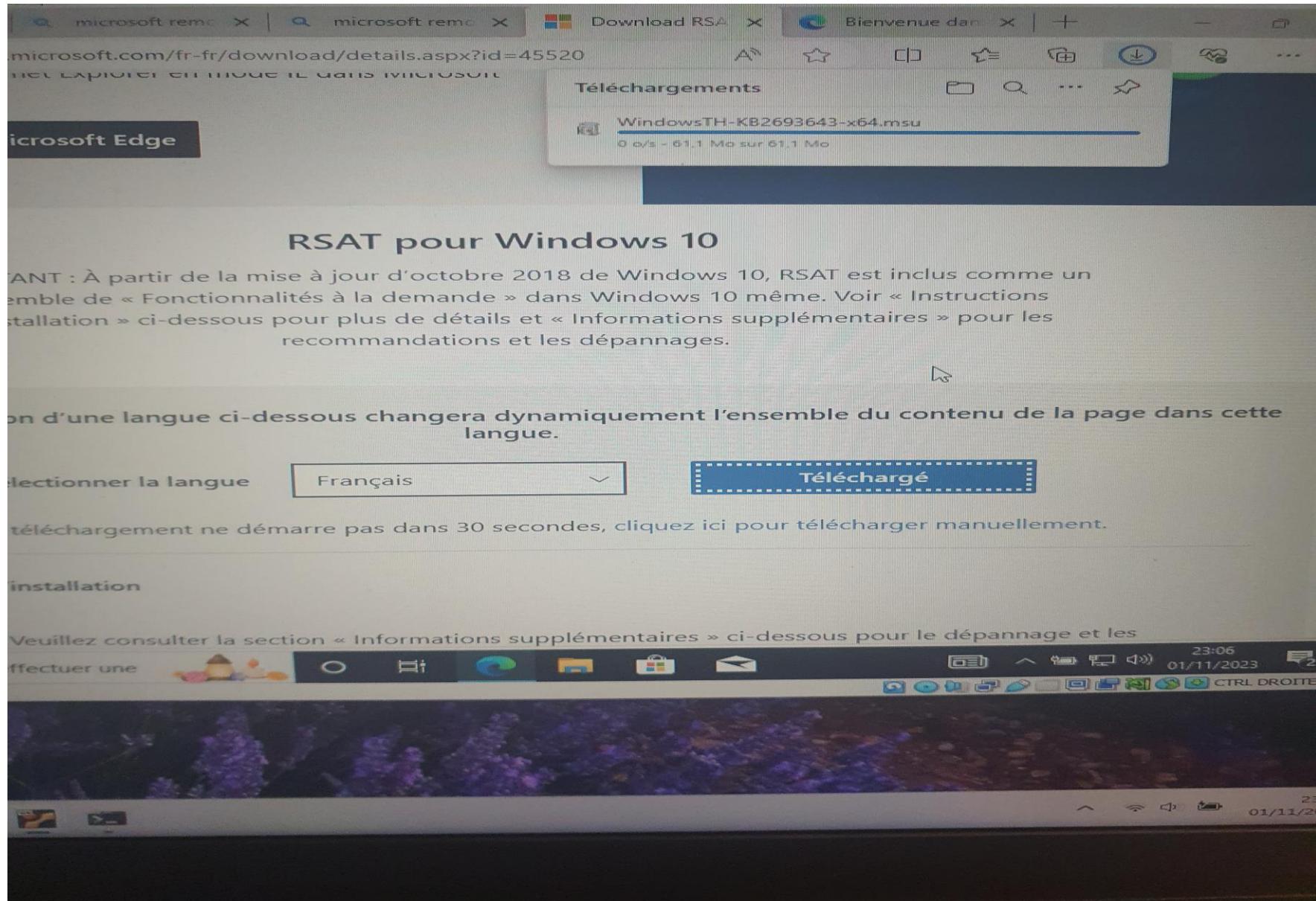
Images

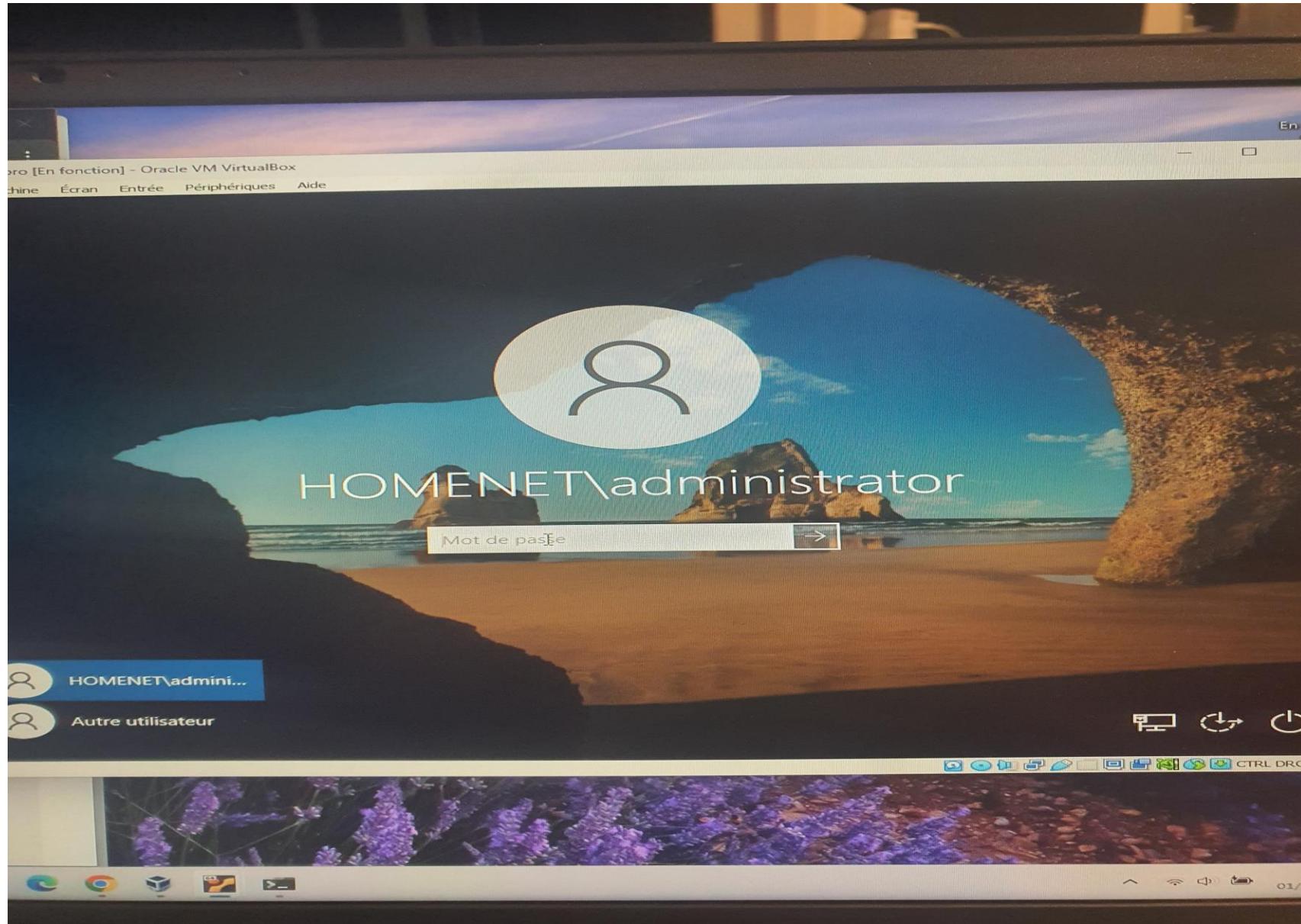
Paramètres

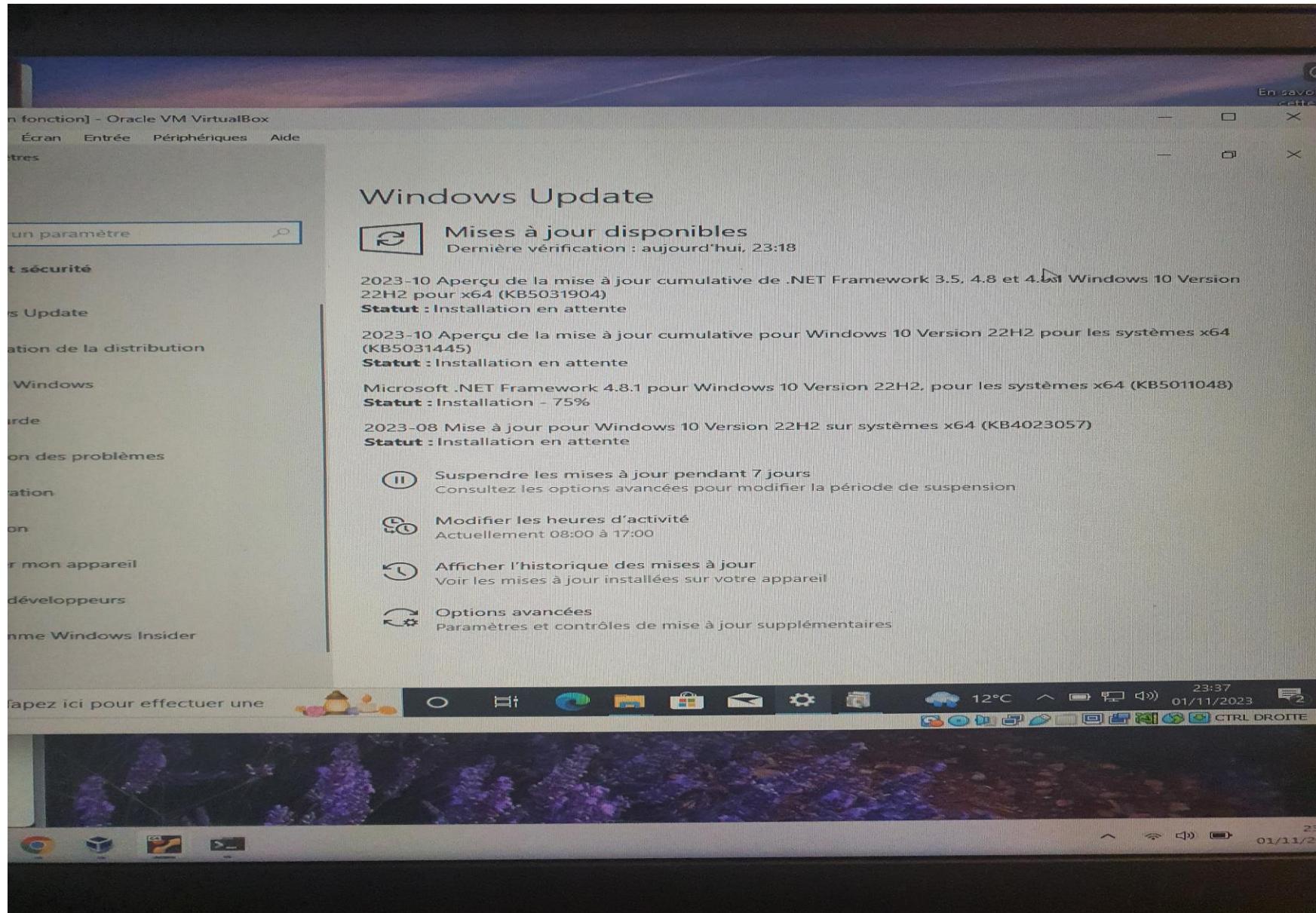
Marche/Arrêt

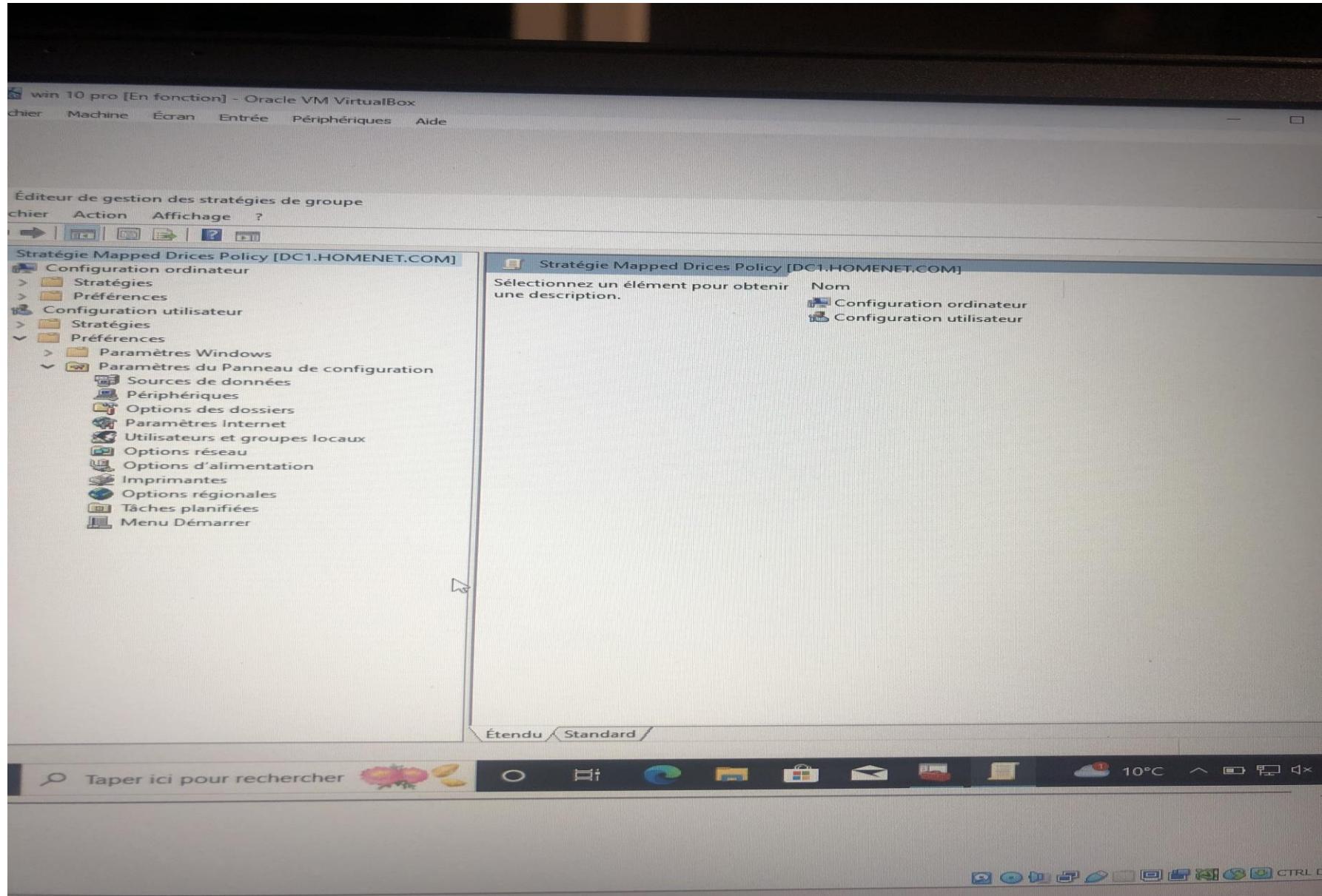
Tapez ici pour effectuer une

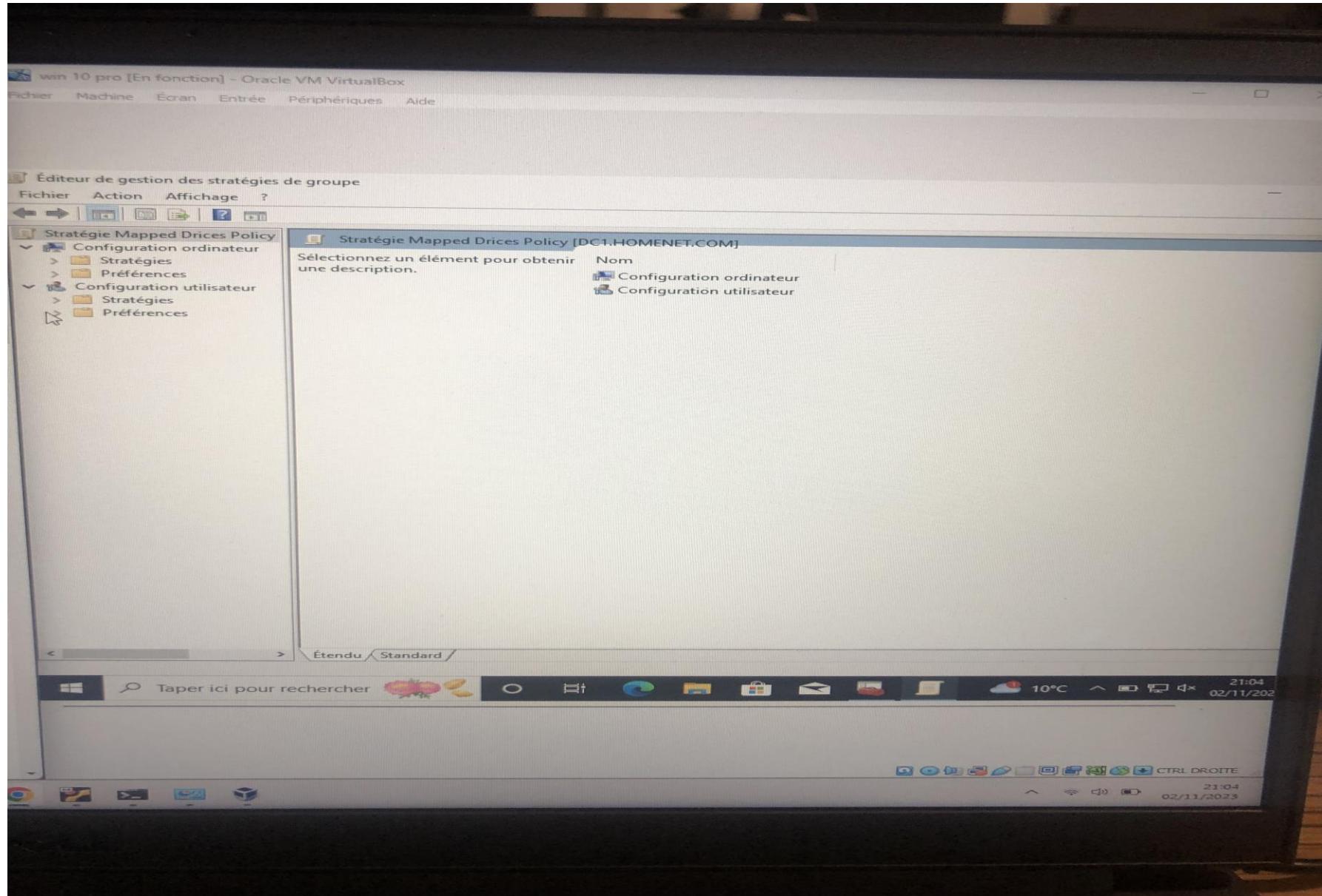


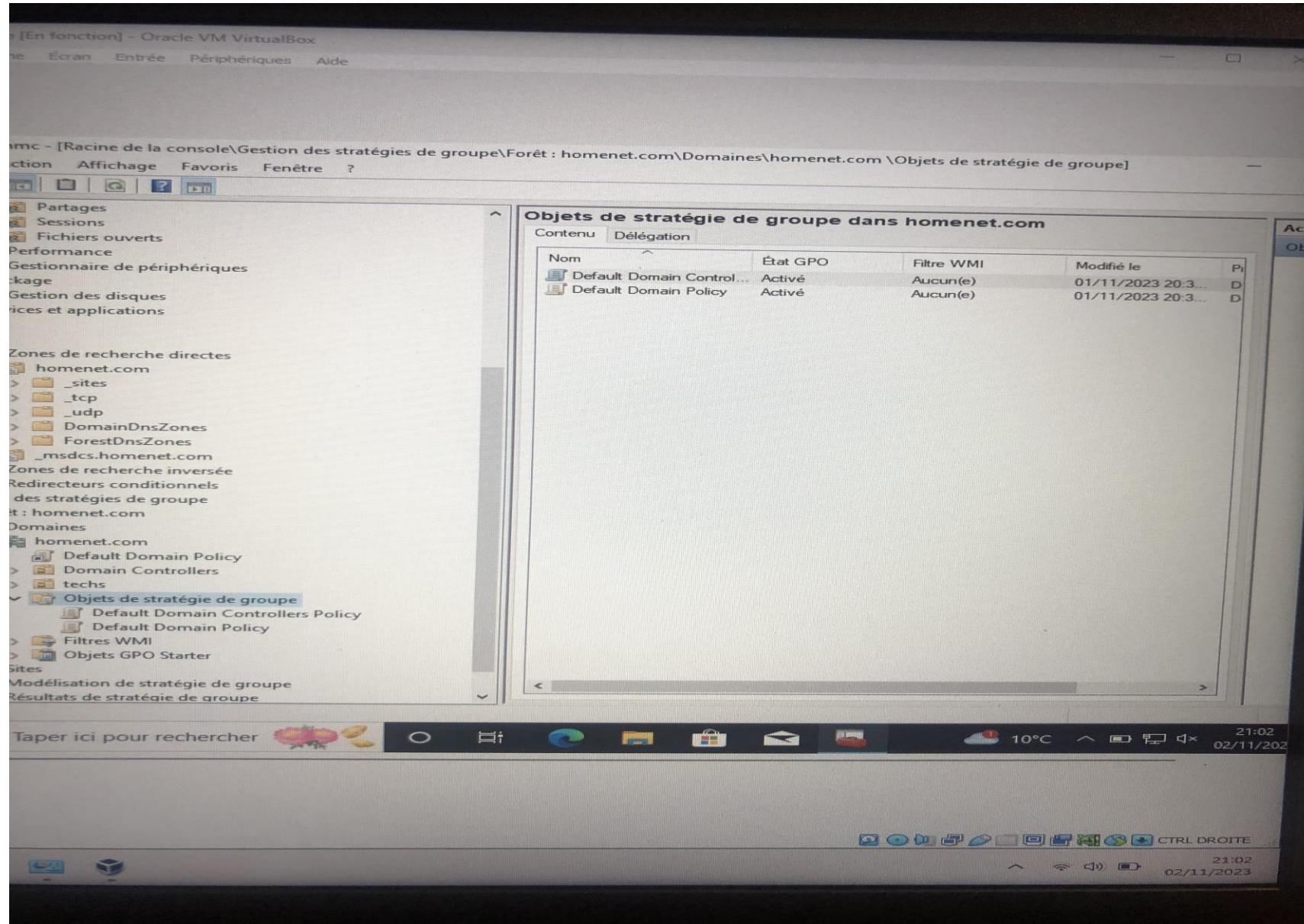


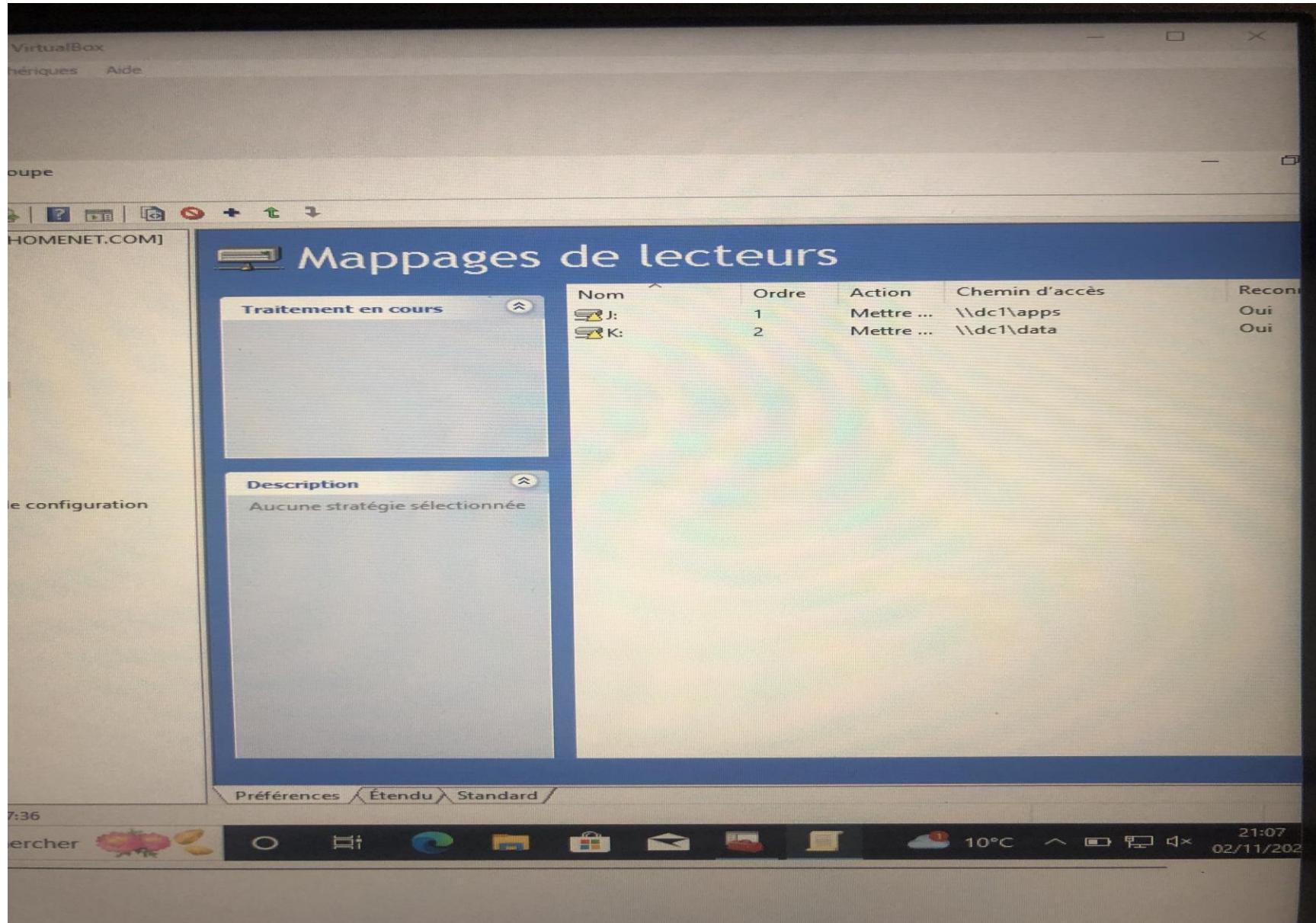


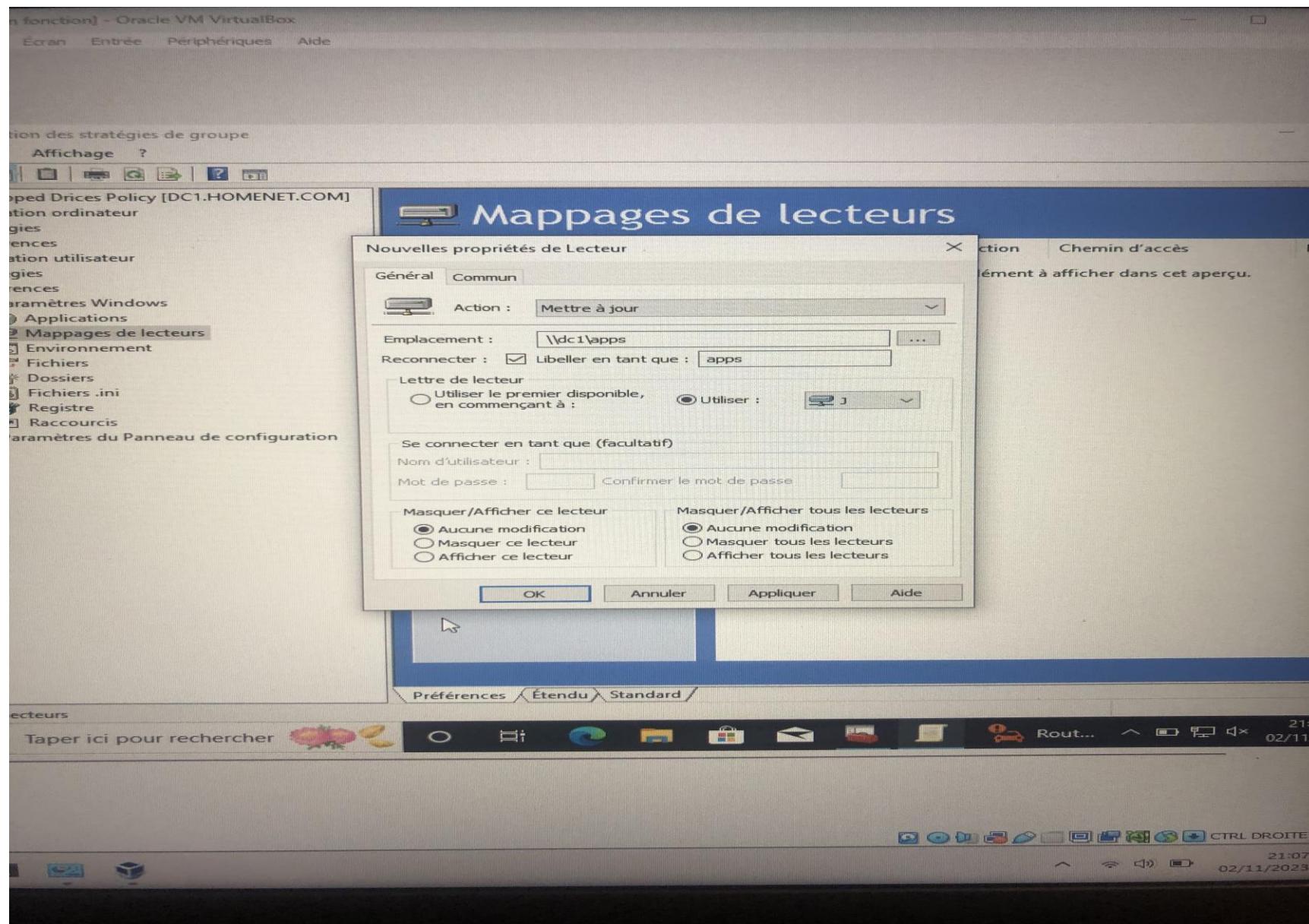


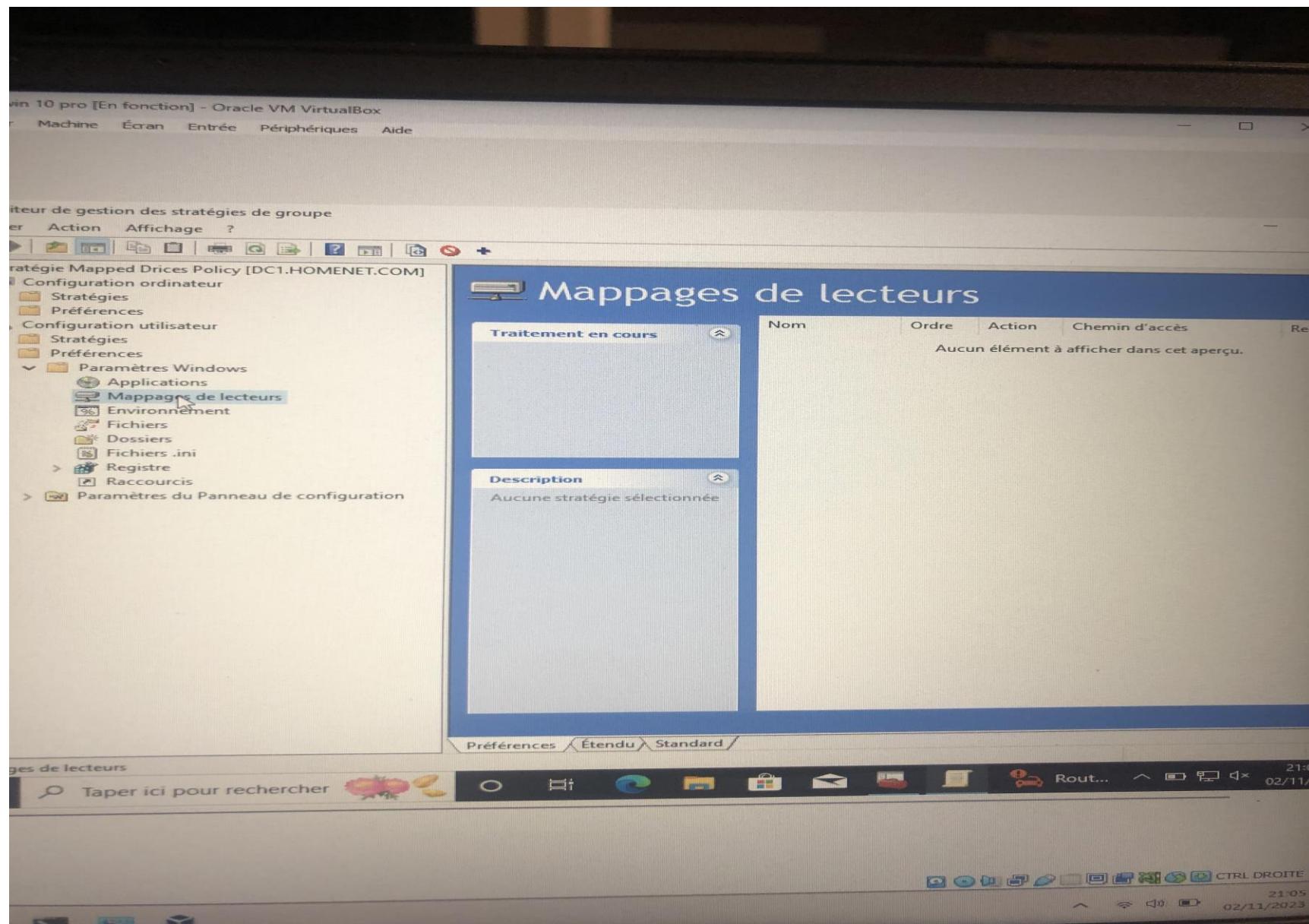


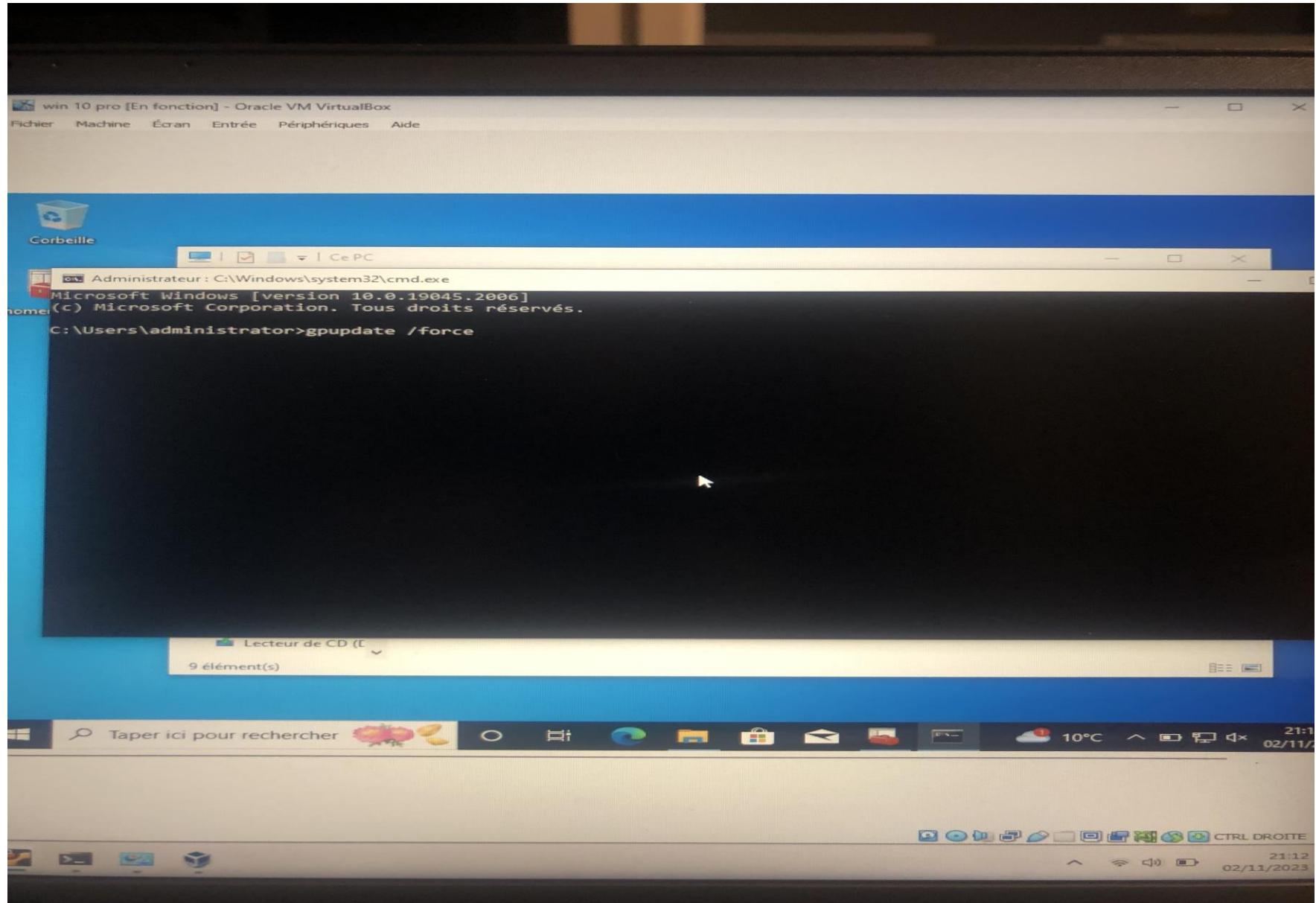


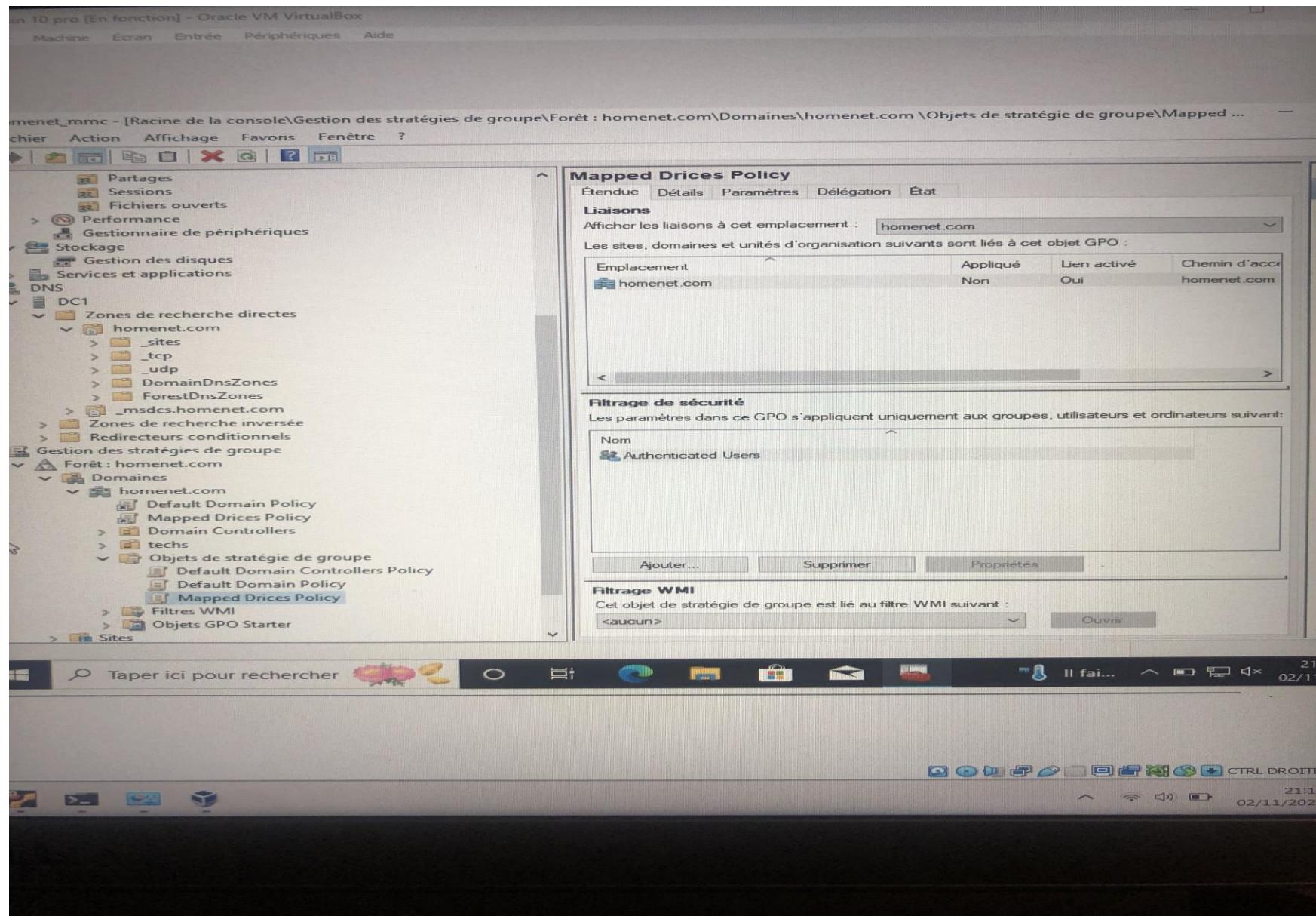


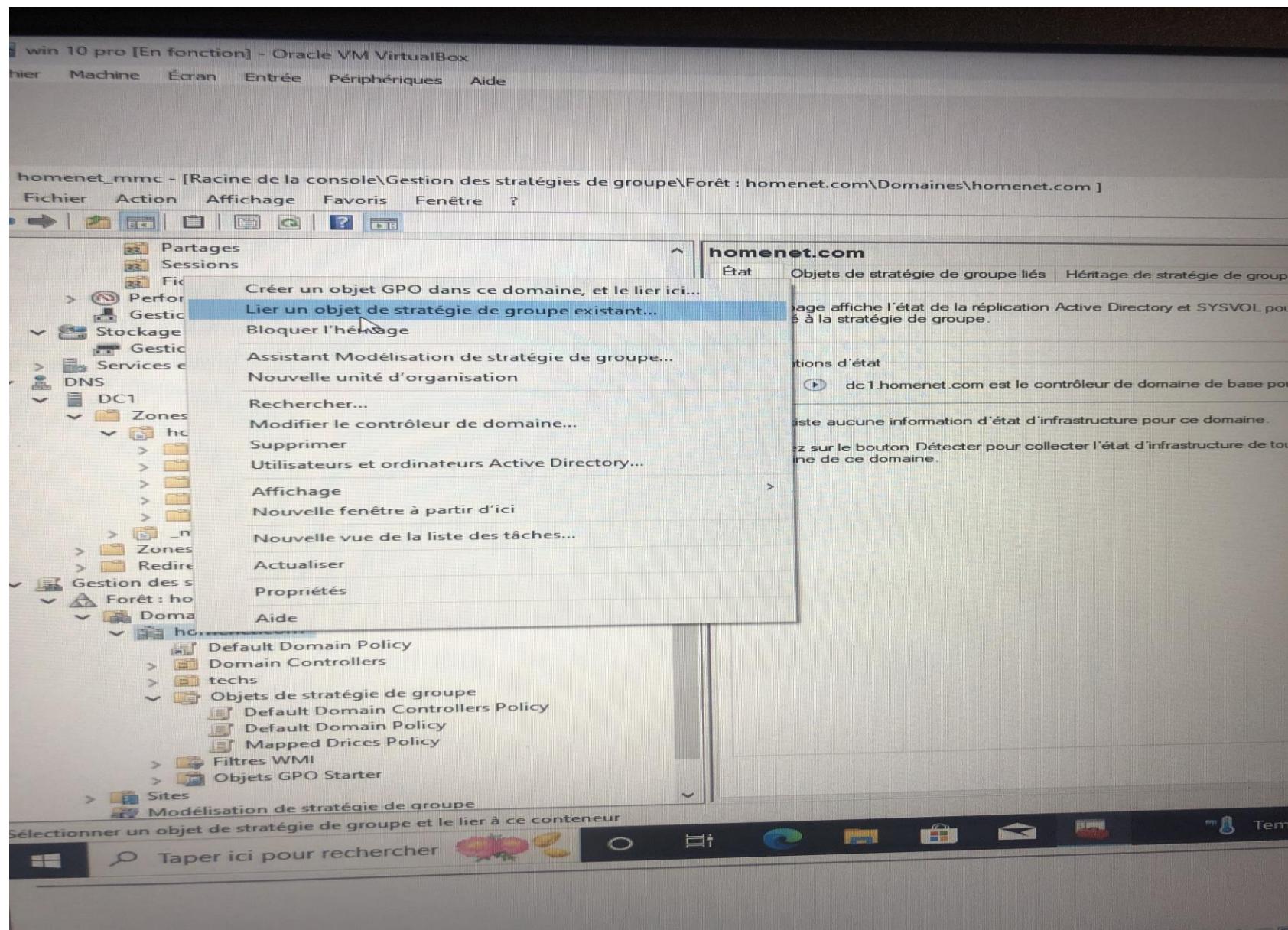


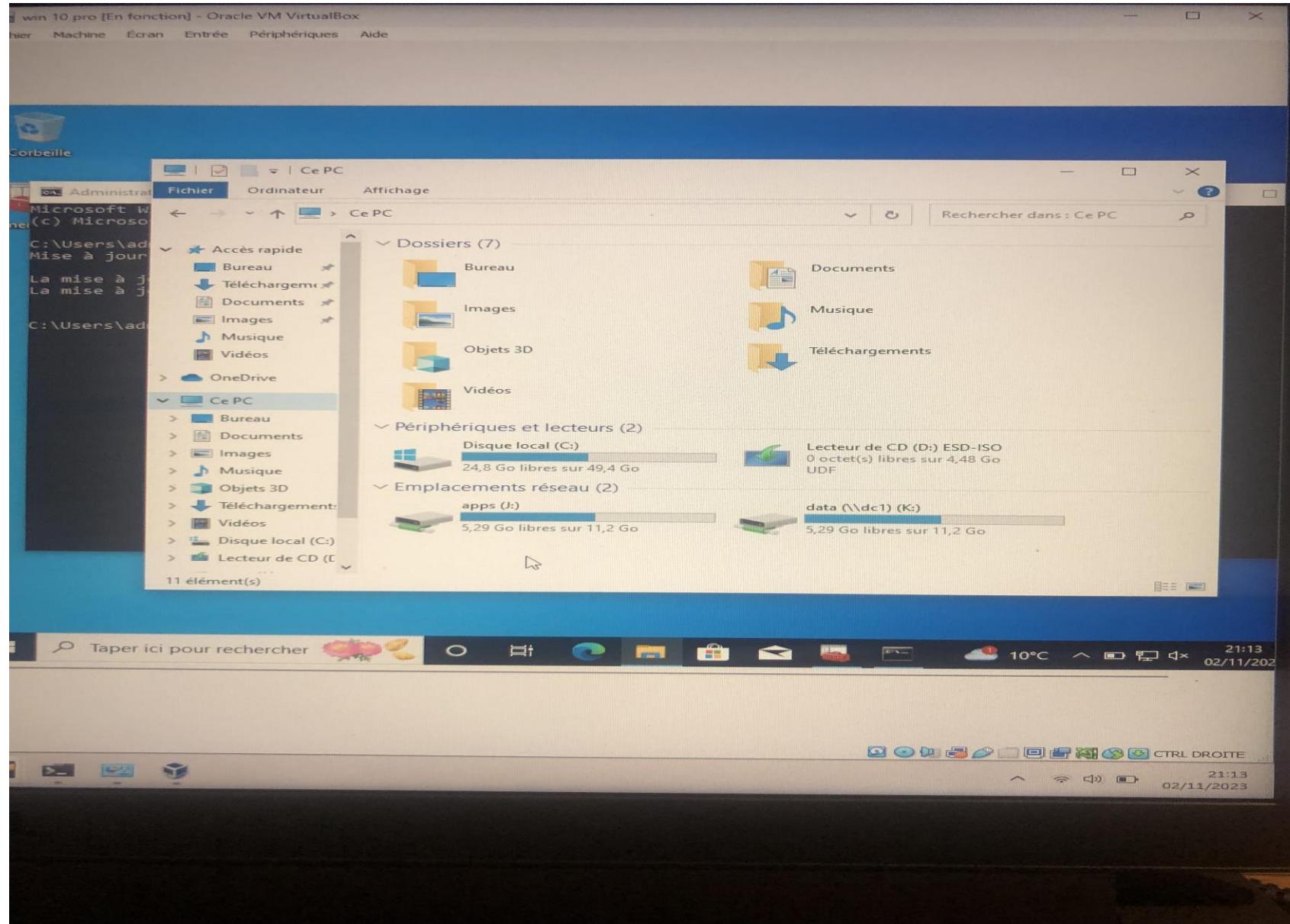


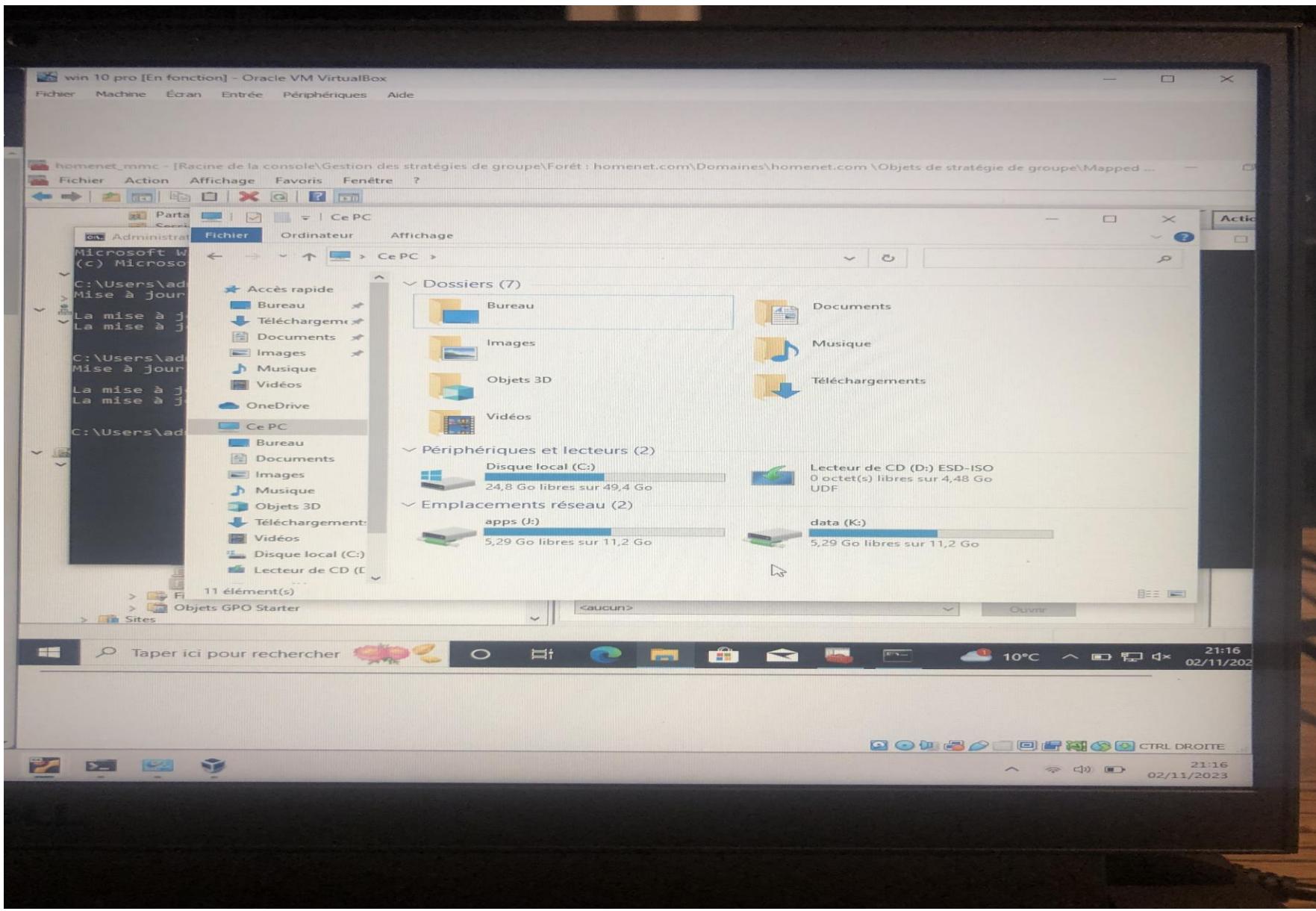


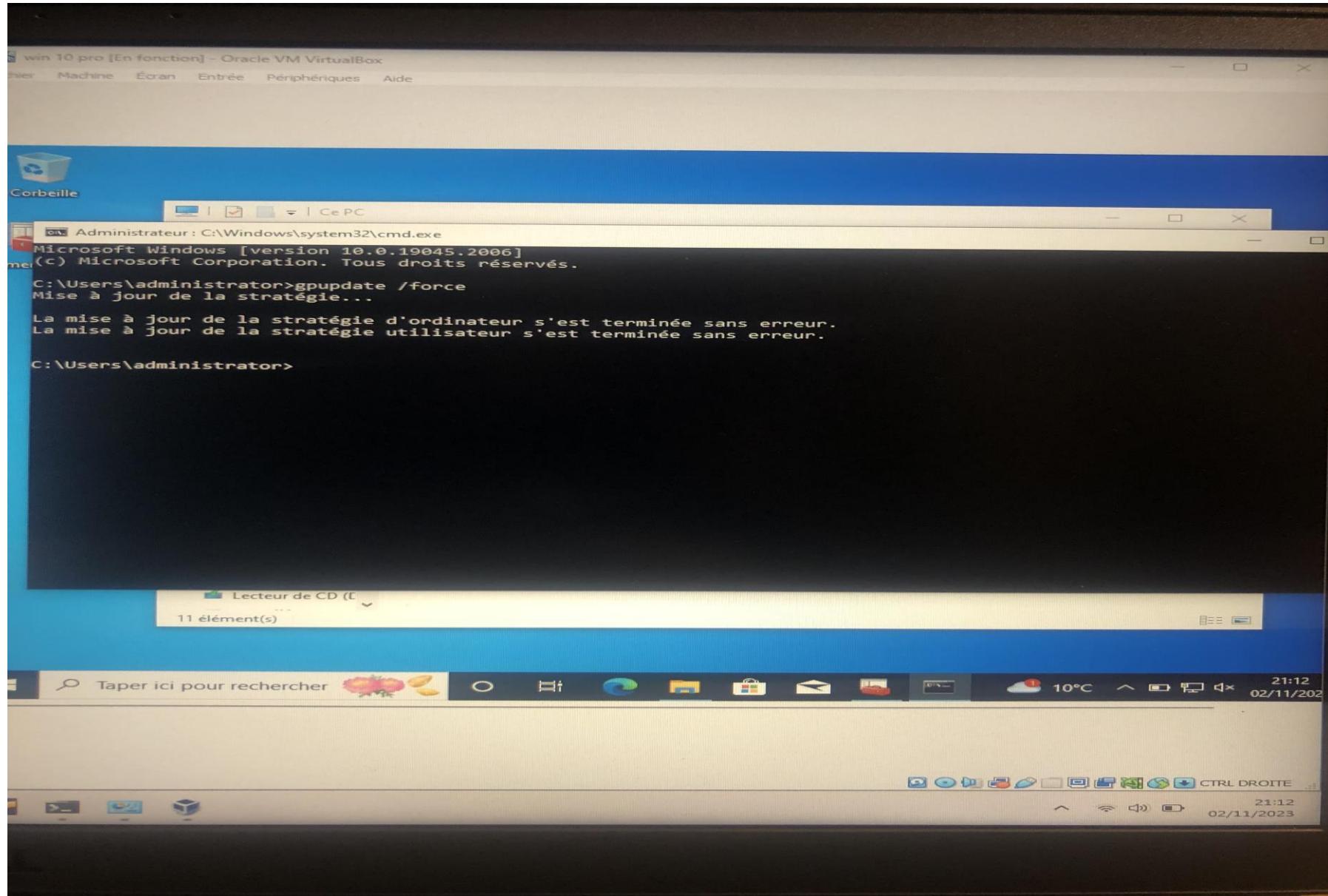


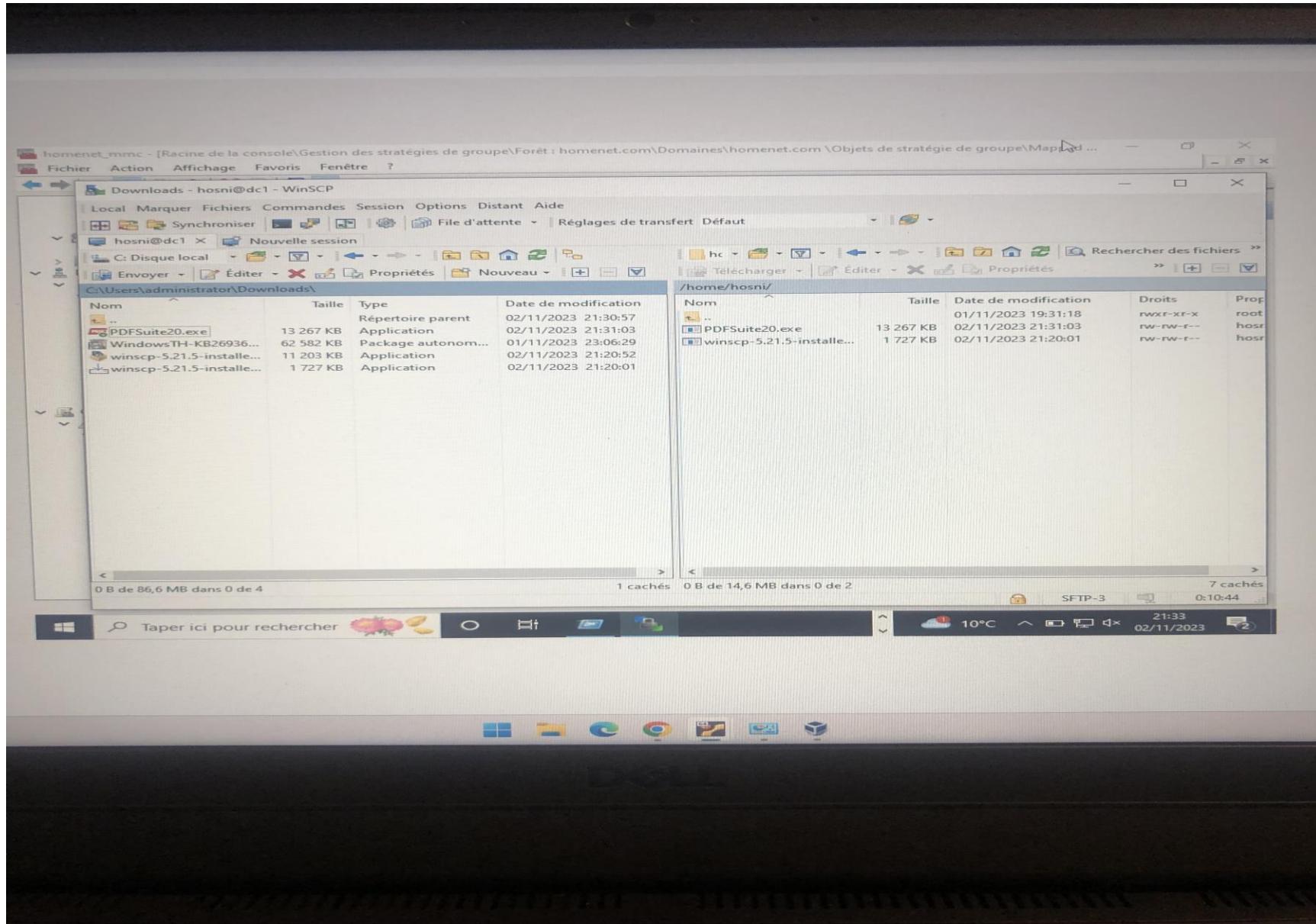












```
hosni@dct:~      X + | v
C:\Users\hosni>ssh hosni@localhost
hosni@localhost's password:
Welcome to Ubuntu 22.04.3 LTS (GNU/Linux 5.15.0-88-generic x86_64)

 * Documentation:  https://help.ubuntu.com
 * Management:    https://landscape.canonical.com
 * Support:       https://ubuntu.com/advantage

System information as of jeu. 02 nov. 2023 20:33:42 UTC

System load: 0.28955078125 Processes: 178
Usage of /: 47.6% of 11.21GB Users logged in: 1
Memory usage: 14% IPv4 address for enp0s3: 192.168.56.101
Swap usage: 0% IPv4 address for enp0s8: 10.0.2.10

* Strictly confined Kubernetes makes edge and IoT secure. Learn how MicroK8s
just raised the bar for easy, resilient and secure K8s cluster deployment.
https://ubuntu.com/engage/secure-kubernetes-at-the-edge

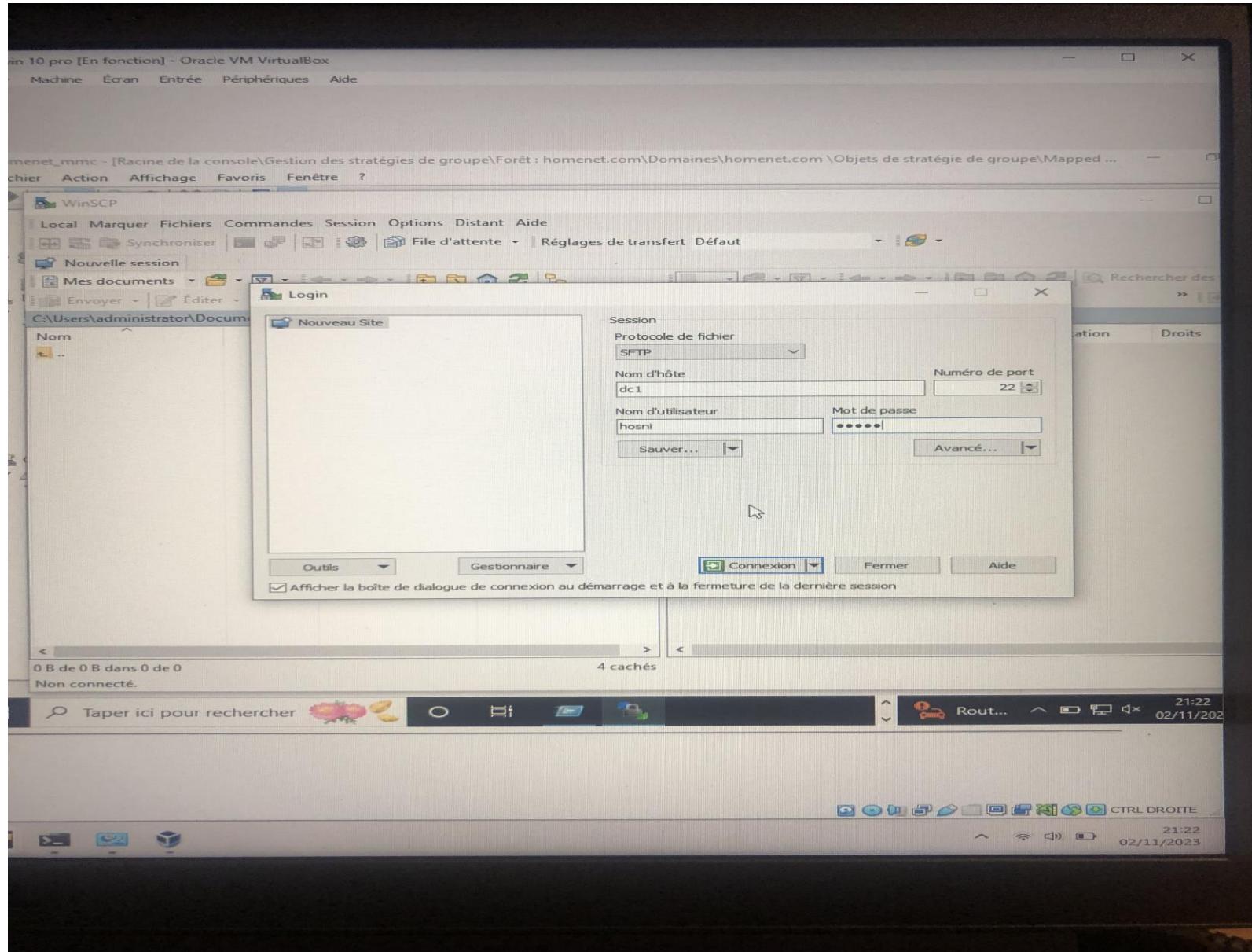
La maintenance de sécurité étendue pour Applications n'est pas activée.

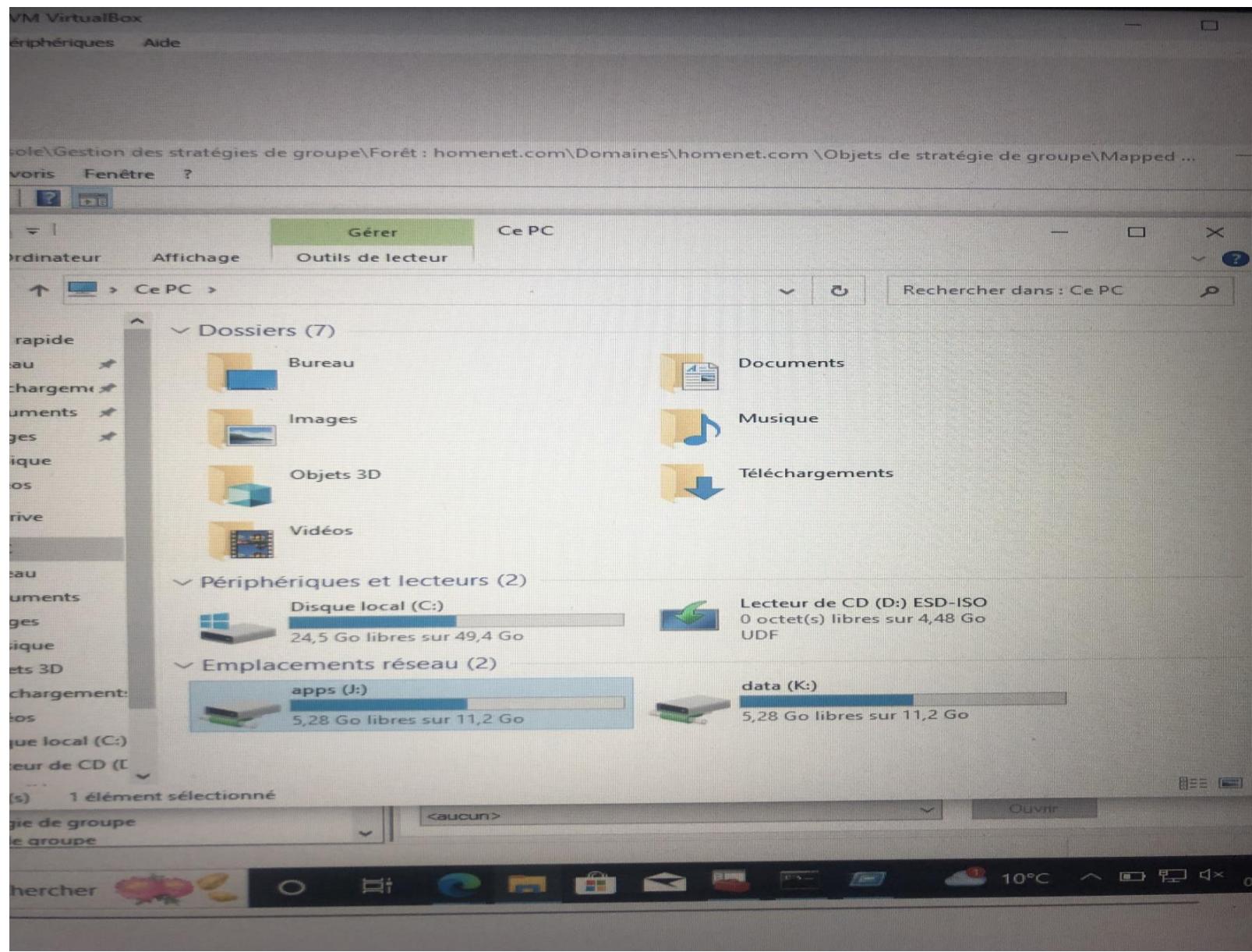
0 mise à jour peut être appliquée immédiatement.

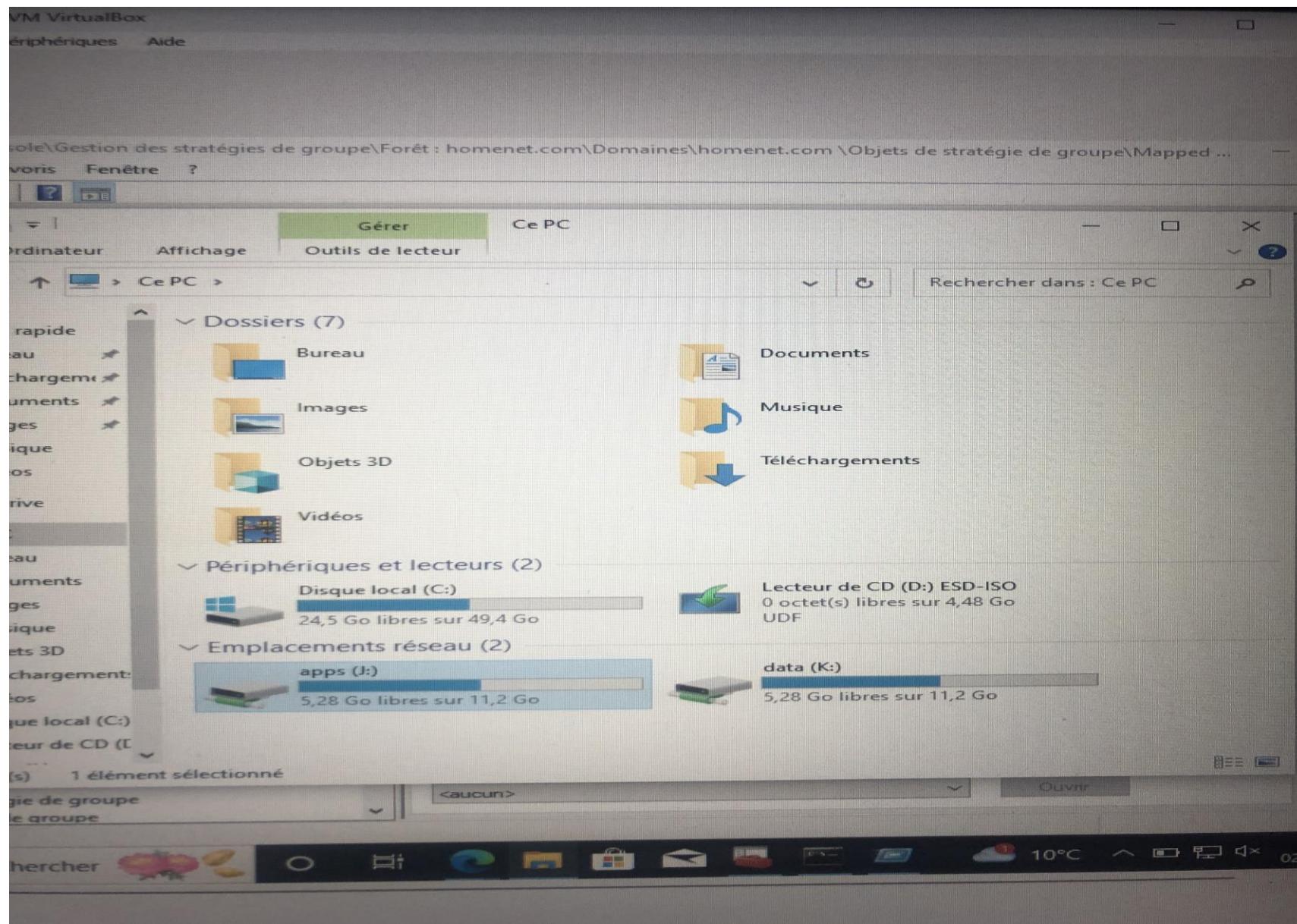
Enable ESM Apps to receive additional future security updates.
See https://ubuntu.com/esm or run: sudo pro status

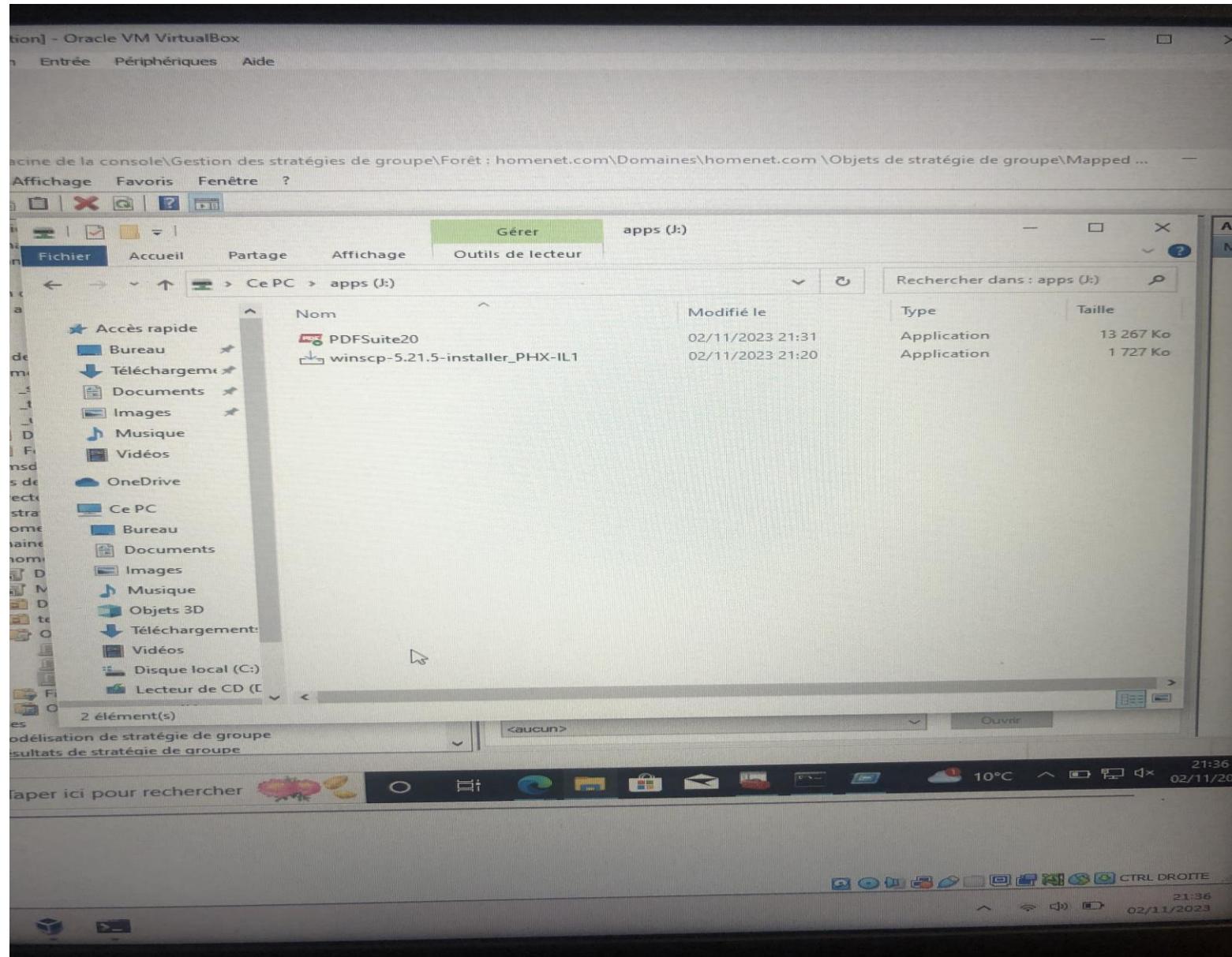
Last login: Thu Nov  2 17:55:11 2023 from 10.0.2.2
hosni@dct:~$ sudo ls -l /var/lib/samba/sysvol/homenet.com/apps
[sudo] password for hosni:
total 0
hosni@dct:~$ ls -l
total 14996
-rw-rw-r-- 1 hosni hosni 13585408 nov.   2 20:31 PDFSuite20.exe
-rw-rw-r-- 1 hosni hosni 1768280 nov.   2 20:28 winscp-5.21.5-installer_PHX-LL1.exe
hosni@dct:~|
```











```
hosni@dc1:~
```

```
C:\Users\hosni>ssh hosni@localhost
hosni@localhost's password:
Welcome to Ubuntu 22.04.3 LTS (GNU/Linux 5.15.0-88-generic x86_64)

 * Documentation:  https://help.ubuntu.com
 * Management:    https://landscape.canonical.com
 * Support:       https://ubuntu.com/advantage

 System information as of jeu. 02 nov. 2023 20:33:42 UTC

 System load: 0.28955078125      Processes:          178
 Usage of /:   47.6% of 11.21GB   Users logged in:     1
 Memory usage: 14%                IPv4 address for enp0s3: 192.168.56.101
 Swap usage:   0%                 IPv4 address for enp0s8: 10.0.2.10

 * Strictly confined Kubernetes makes edge and IoT secure. Learn how MicroK8s
 just raised the bar for easy, resilient and secure K8s cluster deployment.
 https://ubuntu.com/engage/secure-kubernetes-at-the-edge

.a maintenance de sécurité étendue pour Applications n'est pas activée.

.mise à jour peut être appliquée immédiatement.

nable ESM Apps to receive additional future security updates.
ee https://ubuntu.com/esm or run: sudo pro status

ast login: Thu Nov  2 17:55:11 2023 from 10.0.2.2
hosni@dc1:~$ sudo ls -l /var/lib/samba/sysvol/homenet.com/apps
[sudo] password for hosni:
total 0
hosni@dc1:~$ ls -l
total 14996
-rw-rw-r-- 1 hosni hosni 13585408 nov.  2 20:31 PDFSuite20.exe
-rw-rw-r-- 1 hosni hosni 1768280 nov.  2 20:20 winscp-5.21.5-installer_PHX-LL1.exe
hosni@dc1:~$ sudo mv *.exe /var/lib/samba/sysvol/homenet.com/apps
hosni@dc1:~$ sudo ls -l /var/lib/samba/sysvol/homenet.com/apps
total 14996
-rw-rw-r-- 1 hosni hosni 13585408 nov.  2 20:31 PDFSuite20.exe
-rw-rw-r-- 1 hosni hosni 1768280 nov.  2 20:20 winscp-5.21.5-installer_PHX-LL1.exe
hosni@dc1:~$ |
```

