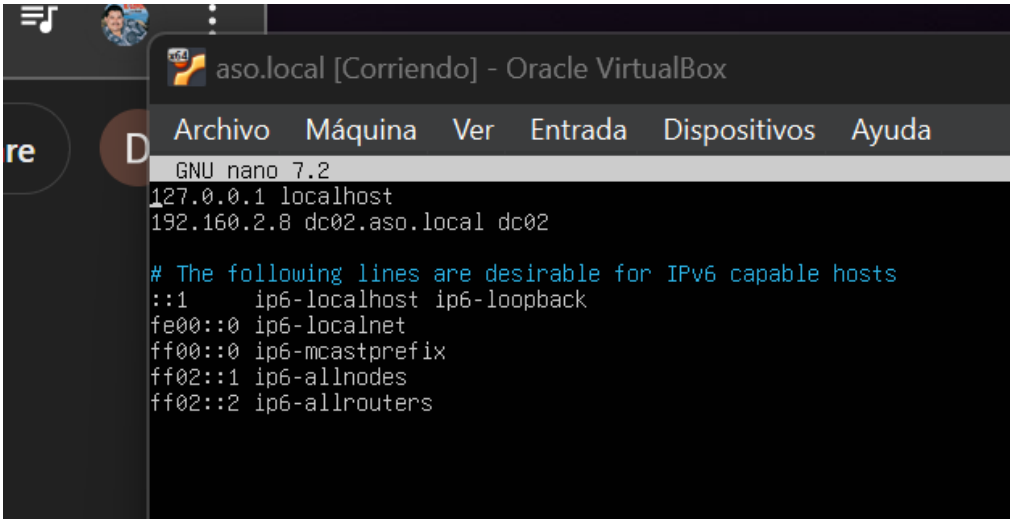
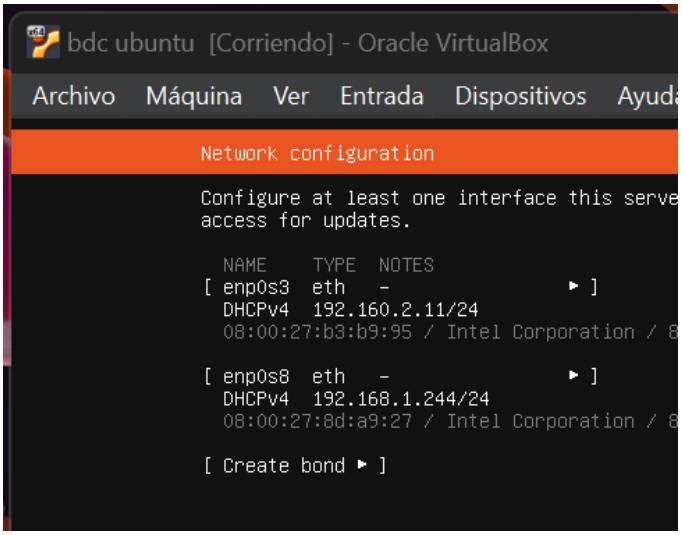
UD2-P02 ANEXO OPCIONAL

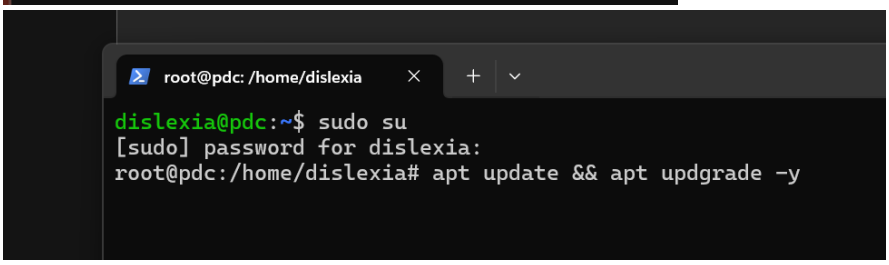
Instalación de un BDC (Backup Domain Controller) Ubuntu Server

1. Asegurarnos de la direccion de nuestro controlador de dominio original:

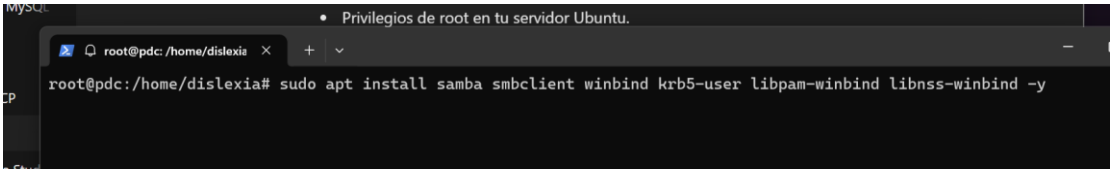


2. Nos aseguraremos las ips del nuevo server destinado a ser bdc y lo actualizaremos.

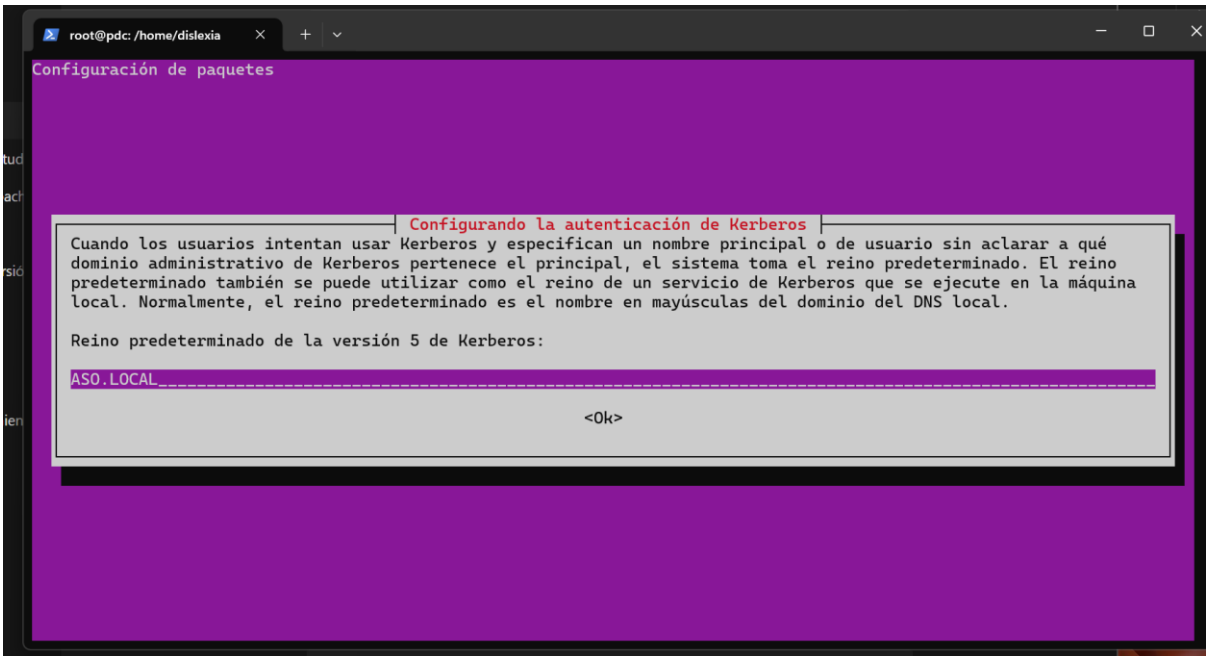


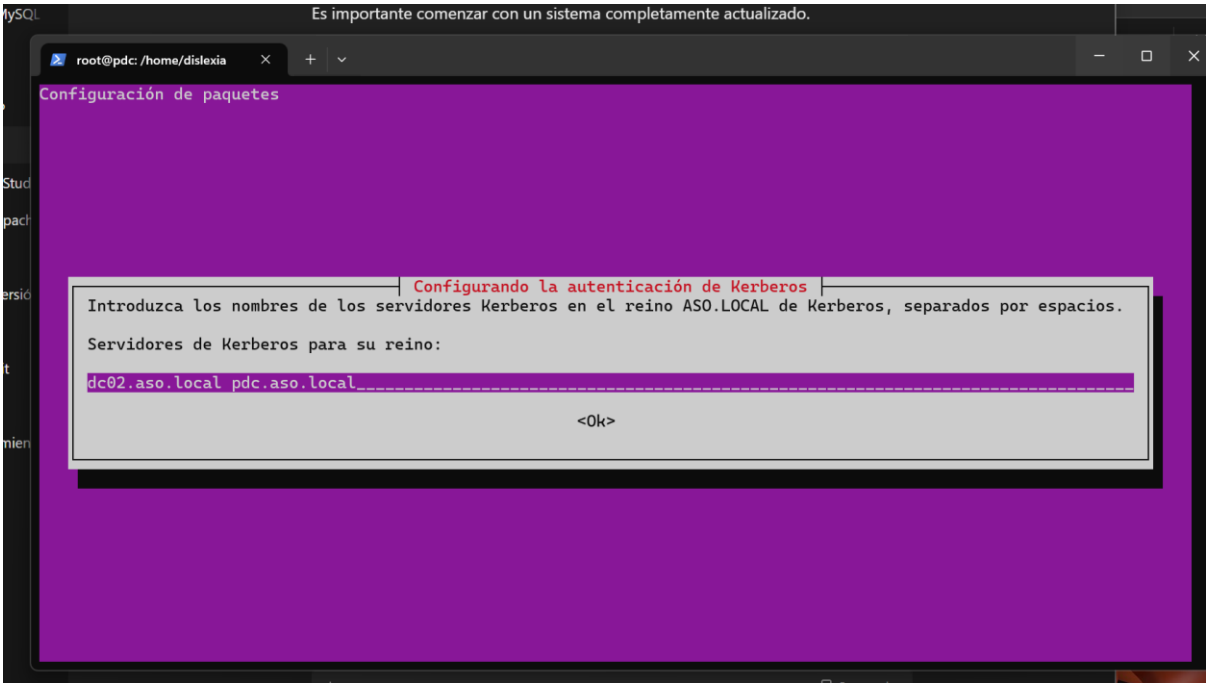


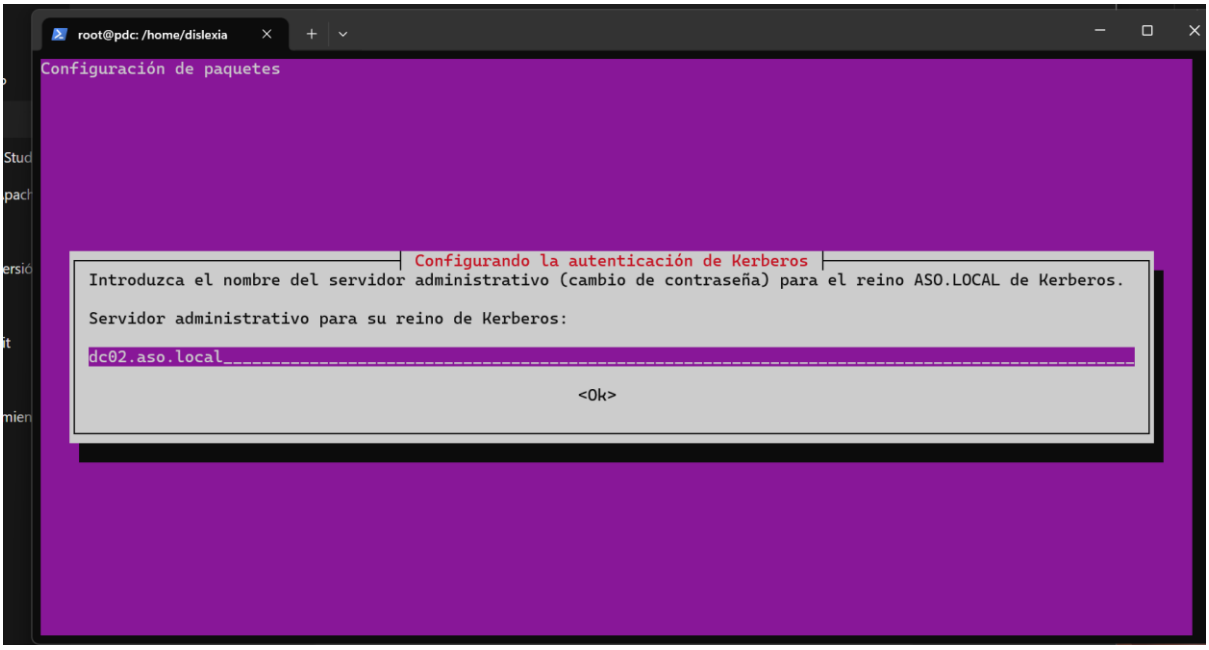
3. Instalar Samba y kerberos que es lo que nos permite crear un paquete BDC:

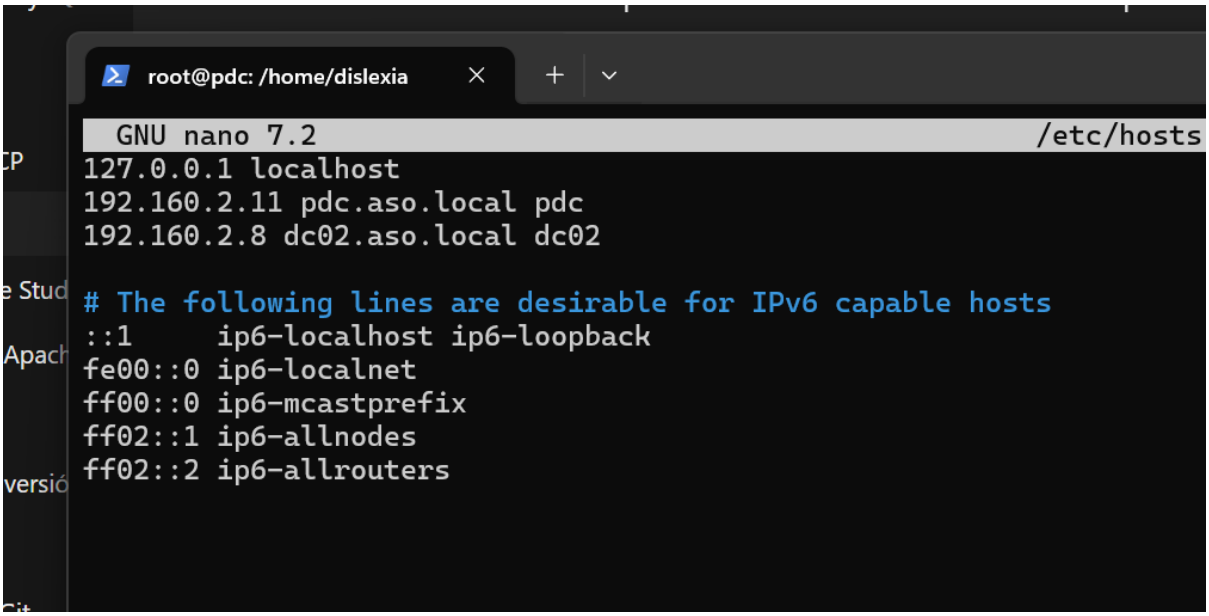


4. Ahora configuraremos kerberos y nuestro /etc/hosts:

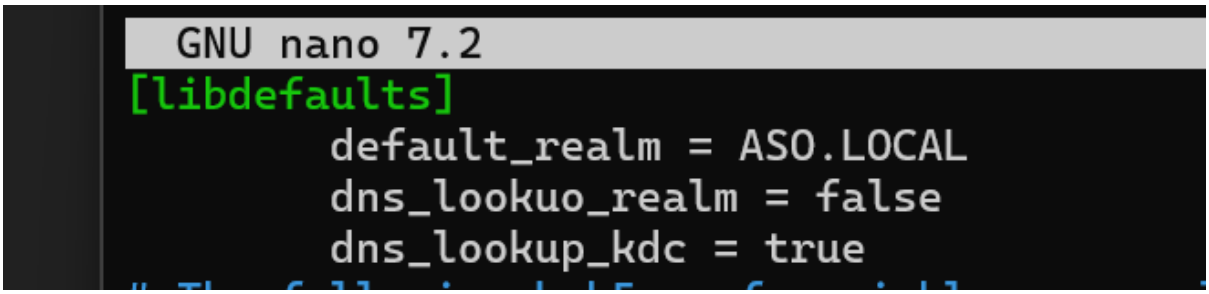








5. Ahora configuraremos el archivo de kerberos:



```
[realms]
        ASO.LOCAL = {
                kdc = dc02.aso.local
                admin_server = dc02.aso.local
        }
```

```
[domain_realm]
        .mit.edu = ATHENA.MIT.EDU
        mit.edu = ATHENA.MIT.EDU
        .media.mit.edu = MEDIA-LAB.MIT.EDU
        media.mit.edu = MEDIA-LAB.MIT.EDU
        .csail.mit.edu = CSAIL.MIT.EDU
        csail.mit.edu = CSAIL.MIT.EDU
        .whoi.edu = ATHENA.MIT.EDU
        whoi.edu = ATHENA.MIT.EDU
        .stanford.edu = stanford.edu
        .slac.stanford.edu = SLAC.STANFORD.EDU
        .toronto.edu = UTORONTO.CA
        .utoronto.ca = UTORONTO.CA
        .aso.local = ASO.LOCAL
        aso.local = ASO.LOCAL
```

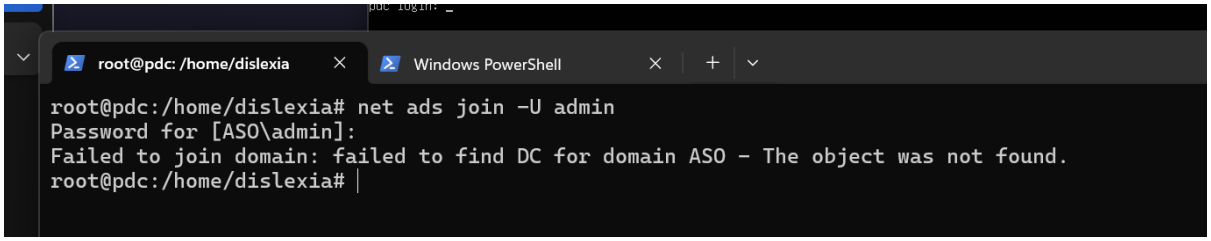
6. Ahora configuraremos los archivos Samba:

```
[global]
    workgroup = ASO
    security = ads
    realm = ASO.LOCAL
    password server = dc02.aso.local
    domain master = no
    local master = no
    preferred master = no
    server role = active directory domain controller
    idmap config * : backend = tdb
    winbind use default domain = true
    winbind offline logon = true
    winbind nss info = rfc2307
    template shell = /bin/bash
    template homedir = /home/%D/%U
```

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

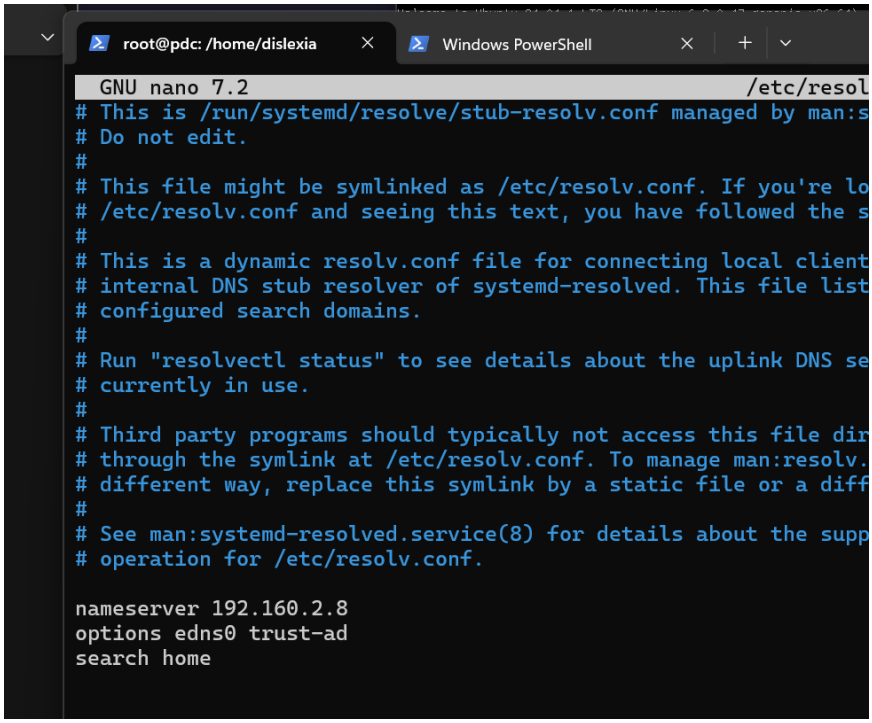
```
[netlogon]
    path = /var/lib/samba/sysvol/aso.local/scripts
    read only = no
```

A partir de aqui he tenido problemas en la practica nose porque no podia comunicar con el servidor a pesar de ejecutar el comando **net ads join -U admin:**



Se ha vereficado el archivo y cambiado a la ip del server resolv.conf, tenemos ping a dc02.aso.local y a la ip propia del controlador de dominio.

Por falta de tiempo no puedo solucionarlo:



```
root@pdc:/home/dislexia# nslookup dc02.aso.local
Server:         127.0.0.53
Address:        127.0.0.53#53

Name:   dc02.aso.local
Address: 192.160.2.8

root@pdc:/home/dislexia#
```

```
;; no servers could be reached


root@pdc:/home/dislexia# ping dc02.aso.local
PING dc02.aso.local (192.160.2.8) 56(84) bytes of data.
64 bytes from dc02.aso.local (192.160.2.8): icmp_seq=1 ttl=64 time=0.476 ms
64 bytes from dc02.aso.local (192.160.2.8): icmp_seq=2 ttl=64 time=0.332 ms
64 bytes from dc02.aso.local (192.160.2.8): icmp_seq=3 ttl=64 time=0.334 ms
```

```
root@pdc:/home/dislexia# ping 192.160.2.8
PING 192.160.2.8 (192.160.2.8) 56(84) bytes of data.
64 bytes from 192.160.2.8: icmp_seq=1 ttl=64 time=0.246 ms
64 bytes from 192.160.2.8: icmp_seq=2 ttl=64 time=0.299 ms
64 bytes from 192.160.2.8: icmp_seq=3 ttl=64 time=0.306 ms
64 bytes from 192.160.2.8: icmp_seq=4 ttl=64 time=0.352 ms
```

En teoria una vez unido deberias configurar el archivo **nsswitch.conf :**

root@pdc: /home/dislexia | Windows PowerShell

```
 GNU nano 7.2                                    /etc/nsswitch.conf
# /etc/nsswitch.conf
#
# Example configuration of GNU Name Service Switch functionality.
# If you have the `glibc-doc-reference' and `info' packages installed, try:
# `info libc "Name Service Switch"' for information about this file.

passwd:         compat winbind
group:          compat winbind
shadow:         compat systemd
gshadow:        files systemd

hosts:          files dns
networks:       files

protocols:      db files
services:       db files
ethers:         db files
rpc:            db files

netgroup:       nis
```

```
root@pdc:/home/dislexia# net ads join -U dislexia
Password for [ASO\dislexia]:
Failed to join domain: failed to find DC for domain ASO - The object was not found.
root@pdc:/home/dislexia# net ads join -U Administrador
Password for [ASO\Administrador]:
Failed to join domain: failed to find DC for domain ASO - The object was not found.
root@pdc:/home/dislexia#
```

Si tienes scripts o políticas en la carpeta Sysvol del PDC, puedes sincronizarlos con el BDC:

rsync -XAavz root@pdc:/var/lib/samba/sysvol /var/lib/samba/sysvol

```
root@pdc:/home/dislexia# rsync -XAavz root@pdc:/var/lib/samba/sysvol /var/lib/samba/sysvol
The authenticity of host 'pdc (192.160.2.11)' can't be established.
ED25519 key fingerprint is SHA256:BFCCaodTyB6Rj7uk5z7FrhfQp09uGMJT0GXKVEbwyyk.
This key is not known by any other names.
Are you sure you want to continue connecting (yes/no/[fingerprint])? YEs
Warning: Permanently added 'pdc' (ED25519) to the list of known hosts.
root@pdc's password:
Permission denied, please try again.
root@pdc's password:
Permission denied, please try again.
root@pdc's password:
rsync error: received SIGINT, SIGTERM, or SIGHUP (code 20) at rsync.c(713) [Receiver=3.2.7]
```