

**ASO**

# **ADMINISTRACIÓN DE SISTEMAS OPERATIVOS**

## **TEMA 4**

**Samba como controlador de dominio**

**2CFSH**

GERARDO CANO

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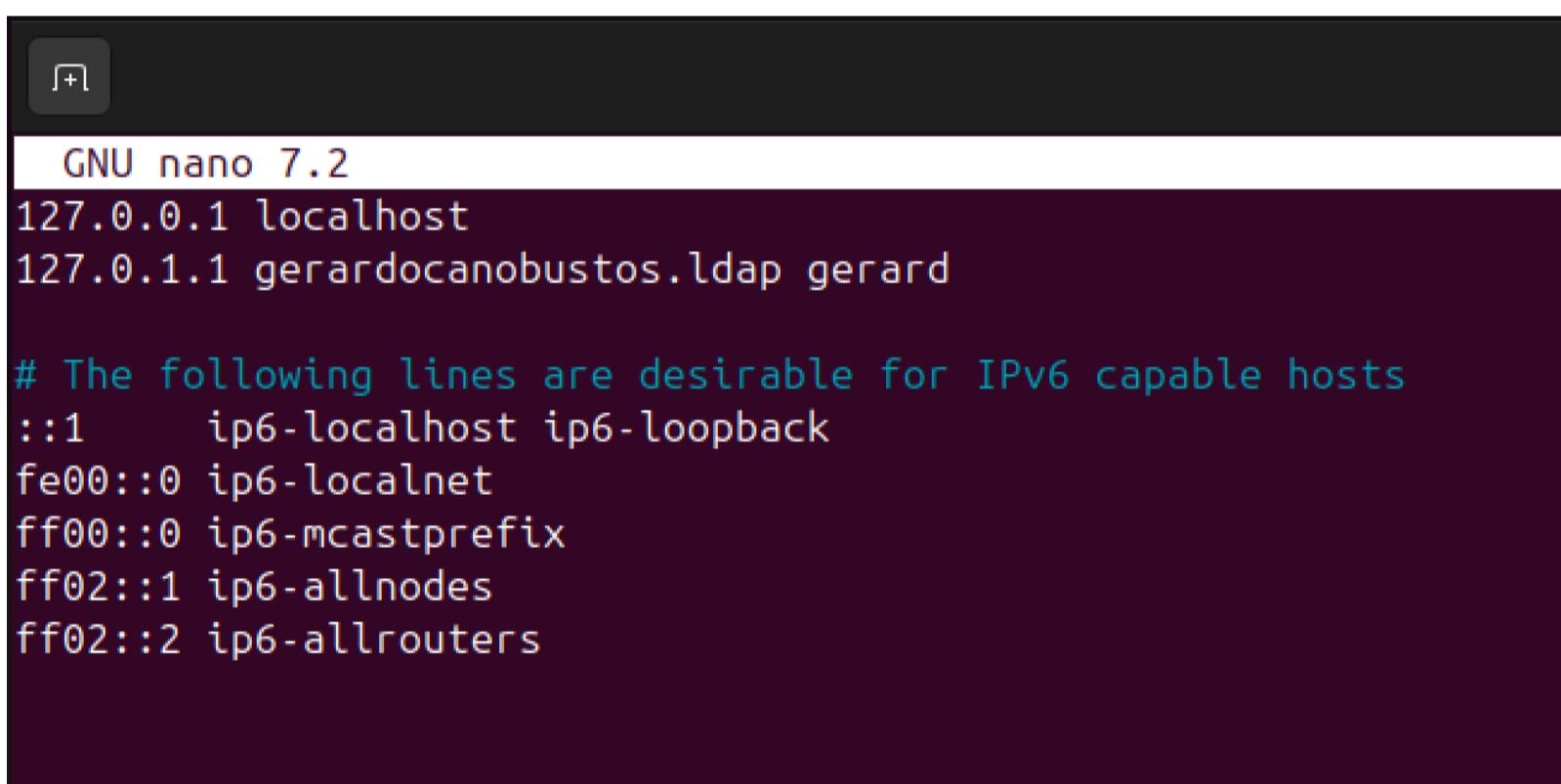
## PASO 1 – CAMBIO NOMBRE DEL SERVIDOR

```
admin01@Srvbnt:~$ hostnamectl set - hostname gerard
Unknown command verb 'set', did you mean 'set-chassis'?
admin01@Srvbnt:~$ hostnamectl set-hostname gerard
===== AUTHENTICATING FOR org.freedesktop.hostname1.set-static-hostname =====
Necesita autenticarse para establecer el nombre estático de equipo local, así como el nombre visible del equipo.
Multiple identities can be used for authentication:
 1. administrador
 2. ,,, (admin01)
Choose identity to authenticate as (1-2): 2
Password:
===== AUTHENTICATION COMPLETE =====
admin01@Srvbnt:~$ sudo nano /etc/hosts
[sudo] contraseña para admin01:
admin01@Srvbnt:~$ █
```

## PASO 2 – BACKUP /ETC/HOSTS

```
admin01@Srvbnt:~$ sudo cp /etc/hosts /etc/hosts.old
admin01@Srvbnt:~$ █
```

## PASO 3 – CONFIGURACIÓN /ETC/HOSTS



```
GNU nano 7.2
127.0.0.1 localhost
127.0.1.1 gerardocanobustos.ldap gerard

# The following lines are desirable for IPv6 capable hosts
::1      ip6-localhost ip6-loopback
fe00::0 ip6-localnet
ff00::0 ip6-mcastprefix
ff02::1 ip6-allnodes
ff02::2 ip6-allrouters
```

## PASO 4 - VERIFICACIÓN HOSTNAME Y FQDN

```
admin01@gerard:~$ hostname -f
gerardocanobustos.ldap
admin01@gerard:~$ ping gerardocanobustos.ldap
PING gerardocanobustos.ldap (127.0.1.1) 56(84) bytes of data.
64 bytes from gerardocanobustos.ldap (127.0.1.1): icmp_seq=1 ttl=64 time=0.035 ms
64 bytes from gerardocanobustos.ldap (127.0.1.1): icmp_seq=2 ttl=64 time=0.040 ms
64 bytes from gerardocanobustos.ldap (127.0.1.1): icmp_seq=3 ttl=64 time=0.035 ms
^C
--- gerardocanobustos.ldap ping statistics ---
3 packets transmitted, 3 received, 0% packet loss, time 2010ms
rtt min/avg/max/mdev = 0.035/0.036/0.040/0.002 ms
admin01@gerard:~$ █
```

## PASO 5 - CONFIGURACIÓN ESTÁTICA

```
admin01@gerard:~$ ip a
1: lo: <LOOPBACK,UP,LOWER_UP> mtu 65536 qdisc noqueue state UNKNOWN group default qlen 1000
    link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00:00
    Papelera 127.0.0.1/8 scope host lo
        valid_lft forever preferred_lft forever
    inet6 ::1/128 scope host noprefixroute
        valid_lft forever preferred_lft forever
2: enp0s3: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc fq_codel state UP group default qlen 1000
    link/ether 08:00:27:23:aa:8c brd ff:ff:ff:ff:ff:ff
    inet 192.168.1.106/24 brd 192.168.1.255 scope global noprefixroute enp0s3
        valid_lft forever preferred_lft forever
admin01@gerard:~$ cd /etc/netplan/
admin01@gerard:/etc/netplan$ ls -l
total 8
-rw----- 1 root root 561 dic 27 11:12 90-NM-1ee7e45-3b9d-3043-bee3-fc5925c90273.yaml
-rw----- 1 root root 561 dic 27 17:43 90-NM-1ee7e45-3b9d-3043-bee3-fc5925c90273.yaml.old
admin01@gerard:/etc/netplan$ sudo nano 90-NM-1ee7e45-3b9d-3043-bee3-fc5925c90273.yaml
[sudo] contraseña para admin01:
admin01@gerard:/etc/netplan$
```

```
root@gerard:~# nano /etc/netplan/90-NM-1ee7e45-3b9d-3043-bee3-fc5925c90273.yaml
network:
  version: 2
  ethernets:
    enp0s3:
      dhcp4: no
      addresses: [192.168.1.106/24]
      routes:
        - to: default
          via: 192.168.1.1
    nameservers:
      addresses: [127.0.0.1, 8.8.8.8]
      search: [gerardocano.ldap]
```

No me funciona poniendo las addresses del ejercicio. Supongo que es porque Samba está escuchando su propio servidor primero.

## PASO 6 – DESACTIVAMOS DNS Y QUITAMOS ENLACE RESOLV.CONF

```
admin01@gerard:/etc/netplan$ sudo su
root@gerard:/etc/netplan# sudo systemctl disable --now systemd-resolved
root@gerard:/etc/netplan# sudo unlink /etc/resolv.conf
root@gerard:/etc/netplan# sudo nano /etc/resolv.conf
```

## PASO 7- NUEVO RESOLV.CONF

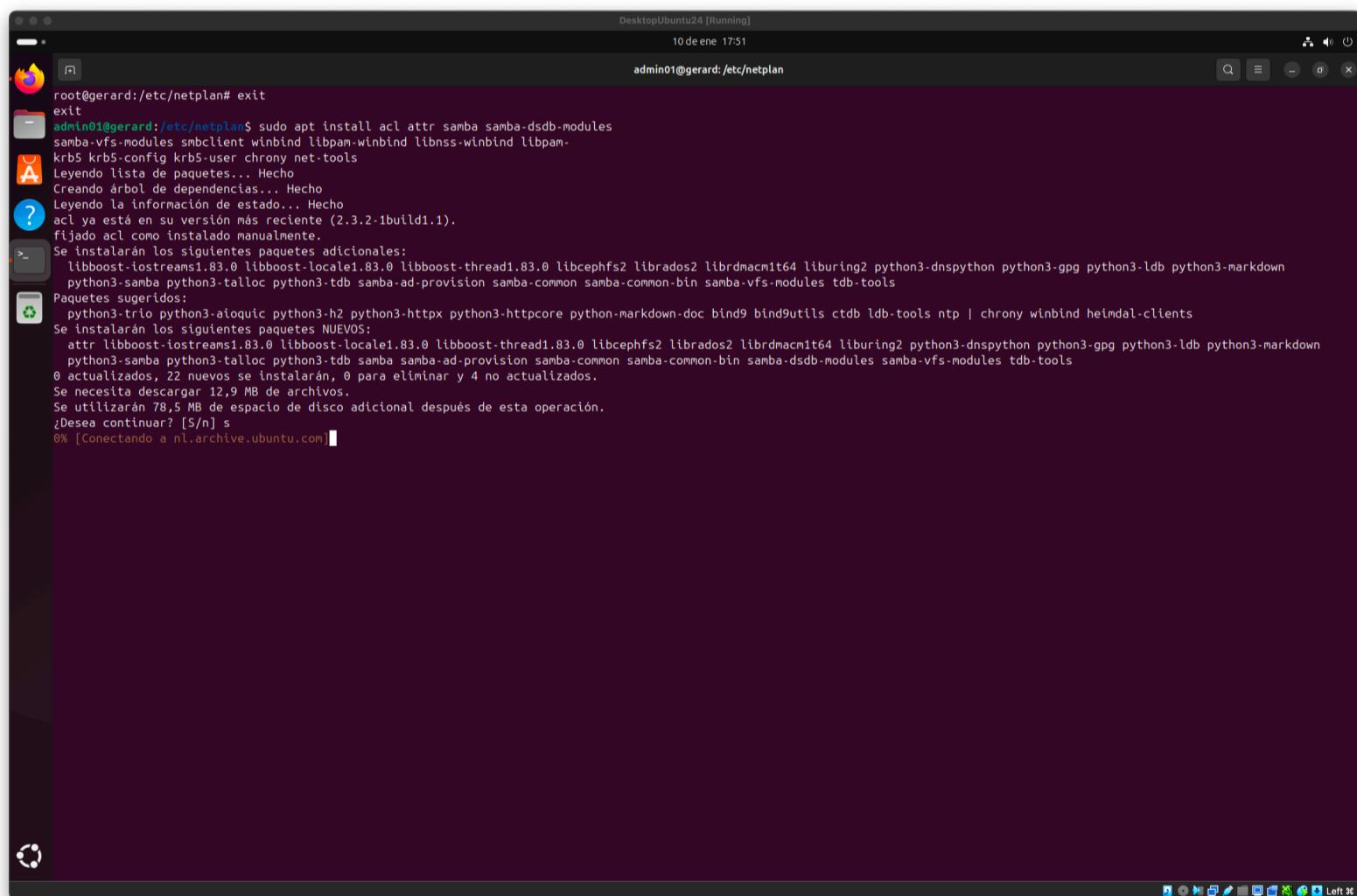
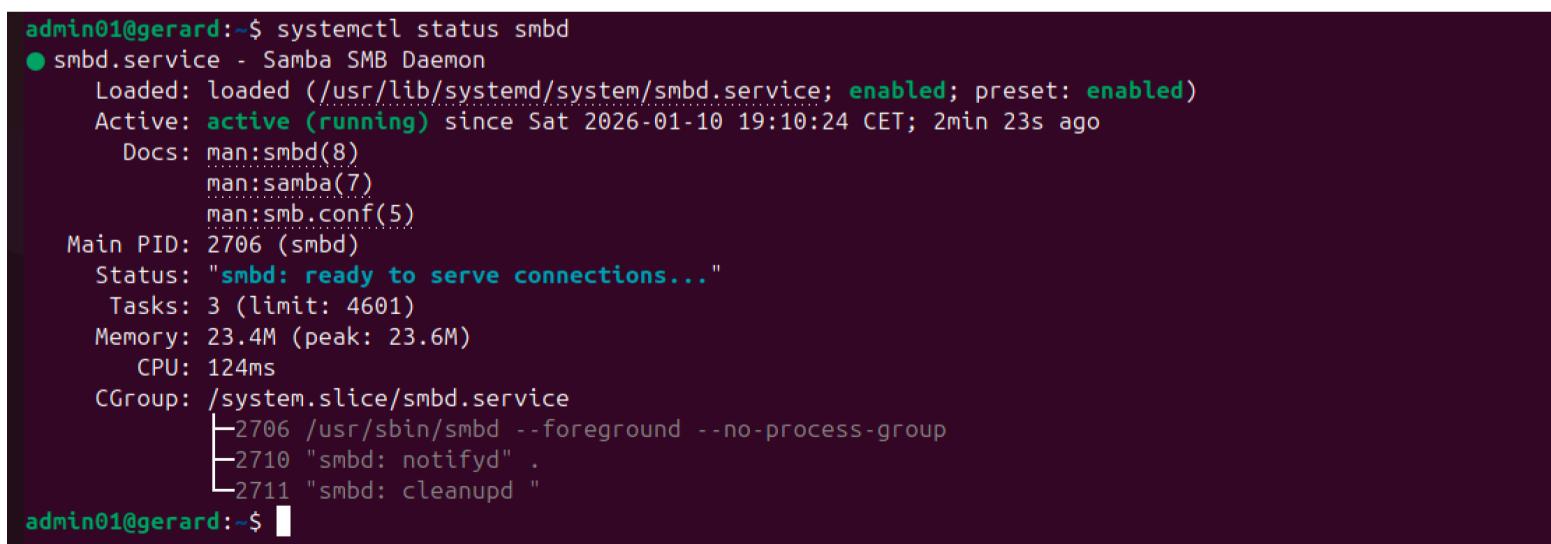


```
admin01@gerard:/etc/netplan
GNU nano 7.2
nameserver 192.168.1.106
nameserver 10.239.3.7
search gerardocanobustos.ldap
```

## PASO 8 - INMUTABILIDAD /ETC/RESOLV.CONF

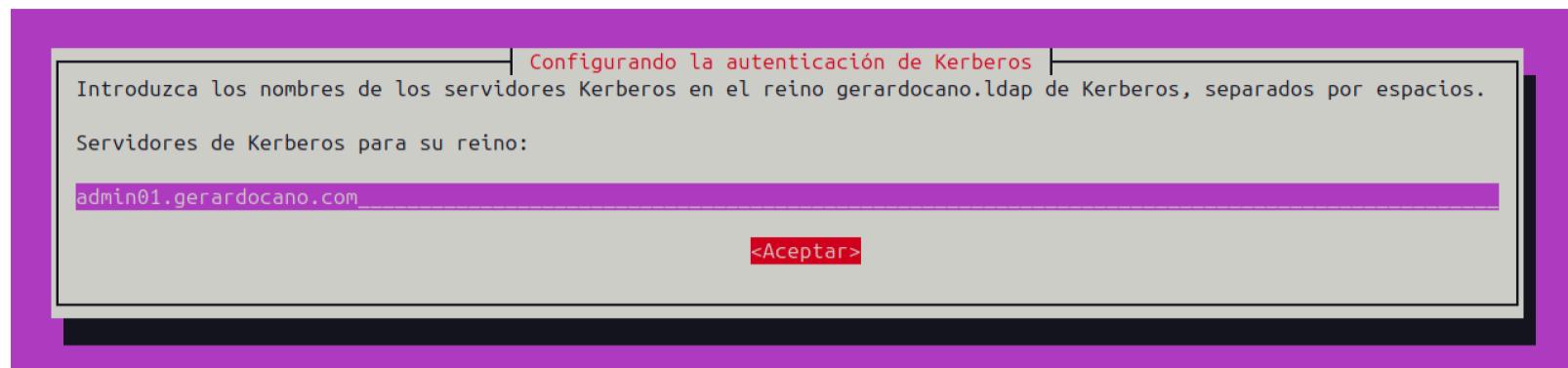
```
root@gerard:/etc/netplan# sudo nano /etc/resolv.conf
root@gerard:/etc/netplan# sudo chattr +i /etc/resolv.conf
root@gerard:/etc/netplan#
```

## PASO 9 - INSTALACIÓN PAQUETES NECESARIOS

```
admin01@gerard:~$ systemctl status smbd
● smbd.service - Samba SMB Daemon
  Loaded: loaded (/usr/lib/systemd/system/smbd.service; enabled; preset: enabled)
  Active: active (running) since Sat 2026-01-10 19:10:24 CET; 2min 23s ago
    Docs: man:smbd(8)
          man:samba(7)
          man:smb.conf(5)
   Main PID: 2706 (smbd)
     Status: "smbd: ready to serve connections..."
      Tasks: 3 (limit: 4601)
     Memory: 23.4M (peak: 23.6M)
        CPU: 124ms
      CGroup: /system.slice/smbd.service
              └─2706 /usr/sbin/smbd --foreground --no-process-group
                  ├─2710 "smbd: notifyd" .
                  ├─2711 "smbd: cleanupd"
                  └─2712 "smbd: authd" .
```

## PASO 10 - CONFIGURACIÓN INSTALACIÓN



```

root@gerard:~# Desempaquetando krb5-user (1.20.1-6ubuntu2.6) ...
root@gerard:~# Seleccionando el paquete python3-gpg previamente no seleccionado.
root@gerard:~# Preparando para desempaquetar .../16-python3-gpg_1.18.0-4.1ubuntu4_amd64.deb ...
root@gerard:~# Desempaquetando python3-gpg (1.18.0-4.1ubuntu4) ...
root@gerard:~# Seleccionando el paquete samba-ad-provision previamente no seleccionado.
root@gerard:~# Preparando para desempaquetar .../17-samba-ad-provision_2%3a4.19.5+dfsg-4ubuntu9.4_all.deb ...
root@gerard:~# Desempaquetando samba-ad-provision (2:4.19.5+dfsg-4ubuntu9.4) ...
root@gerard:~# Configurando python3-talloc:amd64 (2.4.2-1build2) ...
root@gerard:~# Configurando samba-common (2:4.19.5+dfsg-4ubuntu9.4) ...
root@gerard:~# Creating config file /etc/samba/smb.conf with new version
root@gerard:~# Configurando python3-tdb (1.4.10-1build1) ...
root@gerard:~# Configurando python3-gpg (1.18.0-4.1ubuntu4) ...
root@gerard:~# Configurando libgsrpc4t64:amd64 (1.20.1-6ubuntu2.6) ...
root@gerard:~# Configurando krb5-config (2.7) ...
root@gerard:~# Configurando tdb-tools (2:4.10-1build1) ...
root@gerard:~# update-alternatives: utilizando /usr/bin/tdbbackup.tdbtools para proveer /usr/bin/tdbbackup (tdbbackup) en modo automático
root@gerard:~# Configurando python3-ldb (2:2.8.0+samba4.19.5+dfsg-4ubuntu9.4) ...
root@gerard:~# Configurando python3-markdown (3.5.2-1) ...
root@gerard:~# Configurando python3-dnspython (2.6.1-1ubuntu1) ...
root@gerard:~# Configurando samba-ad-provision (2:4.19.5+dfsg-4ubuntu9.4) ...
root@gerard:~# Configurando python3-samba (2:4.19.5+dfsg-4ubuntu9.4) ...
root@gerard:~# Configurando libkadm5clnt-mit12:amd64 (1.20.1-6ubuntu2.6) ...
root@gerard:~# Configurando libkdb5-10t64:amd64 (1.20.1-6ubuntu2.6) ...
root@gerard:~# Configurando samba-common-bin (2:4.19.5+dfsg-4ubuntu9.4) ...
root@gerard:~# Configurando libkadm5srv-mit12:amd64 (1.20.1-6ubuntu2.6) ...
root@gerard:~# Configurando samba (2:4.19.5+dfsg-4ubuntu9.4) ...
root@gerard:~# Created symlink /etc/systemd/system/smb.service → /usr/lib/systemd/system/smbd.service.
root@gerard:~# Created symlink /etc/systemd/system/multi-user.target.wants/smbd.service → /usr/lib/systemd/system/smbd.service.
root@gerard:~# Created symlink /etc/systemd/system/mrb.service → /usr/lib/systemd/system/nmbd.service.
root@gerard:~# Created symlink /etc/systemd/system/multi-user.target.wants/nmbd.service → /usr/lib/systemd/system/nmbd.service.
root@gerard:~# Created symlink /etc/systemd/system/samba.service → /usr/lib/systemd/system/samba-ad-dc.service.
root@gerard:~# Created symlink /etc/systemd/system/multi-user.target.wants/samba-ad-dc.service → /usr/lib/systemd/system/samba-ad-dc.service.
root@gerard:~# Configurando krb5-user (1.20.1-6ubuntu2.6) ...
root@gerard:~# update-alternatives: utilizando /usr/bin/kinit.mit para proveer /usr/bin/kinit (kinit) en modo automático
root@gerard:~# update-alternatives: utilizando /usr/bin/klist.mit para proveer /usr/bin/klist (klist) en modo automático
root@gerard:~# update-alternatives: utilizando /usr/bin/kswitch.mit para proveer /usr/bin/kswitch (kswitch) en modo automático
root@gerard:~# update-alternatives: utilizando /usr/bin/ksu.mit para proveer /usr/bin/ksu (ksu) en modo automático
root@gerard:~# update-alternatives: utilizando /usr/bin/kpasswd.mit para proveer /usr/bin/kpasswd (kpasswd) en modo automático
root@gerard:~# update-alternatives: utilizando /usr/bin/kdestroy.mit para proveer /usr/bin/kdestroy (kdestroy) en modo automático
root@gerard:~# update-alternatives: utilizando /usr/bin/kadmind.mit para proveer /usr/bin/kadmind (kadmind) en modo automático
root@gerard:~# update-alternatives: utilizando /usr/bin/ktutil.mit para proveer /usr/bin/ktutil (ktutil) en modo automático
root@gerard:~# Procesando disparadores para ufw (0.36.2-6) ...
root@gerard:~# Se han actualizado las reglas para el perfil «Samba»
root@gerard:~# Se omite la recarga del cortafuegos
root@gerard:~# Procesando disparadores para man-db (2.12.0-4build2) ...
root@gerard:~# Procesando disparadores para libc-bin (2.39-0ubuntu8.6) ...
root@gerard:~# admin01@gerard:~$ %

```

## PASO 11 - DETENCIÓN SERVICIOS Y

## PASO 12 – DESENMASCARARIÁN E HABILITACIÓN SERVICIO

```

root@gerard:/home/admin01# sudo systemctl disable --now smbd nmbd winbind
Synchronizing state of smbd.service with SysV service script with /usr/lib/systemd/systemd-sysv-install.
Executing: /usr/lib/systemd/systemd-sysv-install disable smbd
Synchronizing state of nmbd.service with SysV service script with /usr/lib/systemd/systemd-sysv-install.
Executing: /usr/lib/systemd/systemd-sysv-install disable nmbd
Synchronizing state of winbind.service with SysV service script with /usr/lib/systemd/systemd-sysv-install.
Executing: /usr/lib/systemd/systemd-sysv-install disable winbind
Removed "/etc/systemd/system/smb.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/winbind.service".
Removed "/etc/systemd/system/nmb.service".
root@gerard:/home/admin01# systemctl unmask samba-ad-dc
root@gerard:/home/admin01# systemctl enable samba-ad-dc
Synchronizing state of samba-ad-dc.service with SysV service script with /usr/lib/systemd/systemd-sysv-install.
Executing: /usr/lib/systemd/systemd-sysv-install enable samba-ad-dc
root@gerard:/home/admin01#

```

## PASO 13 – COPIAS SEGURIDAD SAMBA

```
root@gerard:/home/admin01# mv /etc/samba/smb.conf /etc/samba/smb.conf.bak  
root@gerard:/home/admin01#
```

## PASO 14 - CONFIGURACIÓN CONTROLADOR DOMINIO DE SAMBA

```
Applied Domain Update 89: a0c238ba-9e30-4ee6-80a6-43f731e9a5cd  
INFO 2026-01-10 22:24:35,896 pid:19285 /usr/lib/python3/dist-packages/samba/provision/__init__.py #  
2432: A Kerberos configuration suitable for Samba AD has been generated at /var/lib/samba/private/k  
rb5.conf  
INFO 2026-01-10 22:24:35,897 pid:19285 /usr/lib/python3/dist-packages/samba/provision/__init__.py #  
2434: Merge the contents of this file with your system krb5.conf or replace it with this one. Do no  
t create a symlink!  
INFO 2026-01-10 22:24:36,013 pid:19285 /usr/lib/python3/dist-packages/samba/provision/__init__.py #  
2102: Setting up fake yp server settings  
INFO 2026-01-10 22:24:36,127 pid:19285 /usr/lib/python3/dist-packages/samba/provision/__init__.py #  
493: Once the above files are installed, your Samba AD server will be ready to use  
INFO 2026-01-10 22:24:36,128 pid:19285 /usr/lib/python3/dist-packages/samba/provision/__init__.py #  
498: Server Role: active directory domain controller  
INFO 2026-01-10 22:24:36,128 pid:19285 /usr/lib/python3/dist-packages/samba/provision/__init__.py #  
499: Hostname: gerard  
INFO 2026-01-10 22:24:36,128 pid:19285 /usr/lib/python3/dist-packages/samba/provision/__init__.py #  
500: NetBIOS Domain: GERARDOCANO  
INFO 2026-01-10 22:24:36,128 pid:19285 /usr/lib/python3/dist-packages/samba/provision/__init__.py #  
501: DNS Domain: gerardocano.ldap  
INFO 2026-01-10 22:24:36,128 pid:19285 /usr/lib/python3/dist-packages/samba/provision/__init__.py #  
502: DOMAIN SID: S-1-5-21-1846146461-1636443286-1875276547  
root@gerard:/home/admin01#
```

## PASO 15 - COMPROBACIÓN SMB.CONF

```
root@gerard:/home/admin01# cat /etc/samba/smb.conf  
# Global parameters  
[global]  
    dns forwarder = 10.239.3.7  
    netbios name = GERARD  
    realm = GERARDOCANO.LDAP  
    server role = active directory domain controller  
    workgroup = GERARDOCANO  
    idmap_ldb:use rfc2307 = yes  
  
[sysvol]  
    path = /var/lib/samba/sysvol  
    read only = No  
  
[netlogon]  
    path = /var/lib/samba/sysvol/gerardocano.ldap/scripts  
    read only = No  
root@gerard:/home/admin01#
```

## PASO 16 – COPIA SEGURIDAD KRB5.CONF Y SOBREESCRIBIR

```
root@gerard:/home/admin01# sudo mv /etc/krb5.conf /etc/krb5.conf.bak
root@gerard:/home/admin01# sudo cp /var/lib/samba/private/krb5.conf /etc/krb5.conf
root@gerard:/home/admin01#
```

## PASO 17 – INICIAMOS SERVICIO SAMBA-AD-DC

```
root@gerard:/home/admin01# systemctl status samba-ad-dc
● samba-ad-dc.service - Samba AD Daemon
   Loaded: loaded (/usr/lib/systemd/system/samba-ad-dc.service; enabled; preset: enabled)
   Active: failed (Result: exit-code) since Sat 2026-01-10 22:30:52 CET; 1min 1s ago
     Duration: 3.322s
       Docs: man:samba(8)
               man:samba(7)
               man:smb.conf(5)
   Process: 19310 ExecCondition=/usr/share/samba/is-configured samba (code=exited, status=0/SUCCESS)
   Process: 19312 ExecStart=/usr/sbin/samba --foreground --no-process-group $SAMBAOPTIONS (code=exited, status=1/FAILURE)
 Main PID: 19312 (code=exited, status=1/FAILURE)
    Status: "samba: ready to serve connections..."
      CPU: 5.462s

ene 10 22:30:41 gerard samba[19325]: add_socket: ldapsrv failed to bind to 0.0.0.0:389 - NT_STATUS_ADDRESS_ALREADY_ASSOCIATED
ene 10 22:30:41 gerard samba[19325]: [2026/01/10 22:30:41.988116, 0] source4/samba/service_task.c:36(task_server_terminate)
ene 10 22:30:41 gerard samba[19325]: task_server_terminate: task_server_terminate: [Failed to startup ldap server task]
ene 10 22:30:41 gerard samba[19312]: [2026/01/10 22:30:41.990888, 0] source4/samba/server.c:403(samba_terminate)
ene 10 22:30:41 gerard samba[19312]: samba_terminate: samba_terminate of samba 19312: Failed to startup ldap server task
ene 10 22:30:42 gerard systemd[1]: samba-ad-dc.service: Main process exited, code=exited, status=1/FAILURE
ene 10 22:30:42 gerard winbindd[19368]: [2026/01/10 22:30:42.047285, 0] source3/winbindd/winbindd_dual.c:1968(winbindd_sig_term_handler)
ene 10 22:30:42 gerard winbindd[19368]: Got sig[15] terminate (is_parent=0)
ene 10 22:30:52 gerard systemd[1]: samba-ad-dc.service: Failed with result 'exit-code'.
ene 10 22:30:52 gerard systemd[1]: samba-ad-dc.service: Consumed 5.462s CPU time, 224.9M memory peak, 0B memory swap peak.
root@gerard:/home/admin01#
```

Hay otro servicio que está usando el mismo puerto

Lo identificamos:

```
ene 10 22:30:52 gerard systemd[1]: samba-ad-dc.service: Failed with result 'exit-code'.
ene 10 22:30:52 gerard systemd[1]: samba-ad-dc.service: Consumed 5.462s CPU time, 224.9M memory peak.
root@gerard:/home/admin01# sudo ss -lntp | grep :389
LISTEN 0      2048          0.0.0.0:389          0.0.0.0:*      users:(("slapd",pid=1126,fd=8))
LISTEN 0      2048          [::]:389           [::]:*      users:(("slapd",pid=1126,fd=9))
root@gerard:/home/admin01#
```

El problema es que estoy haciendo la práctica en el mismo servidor que la práctica anterior y el problema es que ‘ldap’ está usando ese puerto. Lo desabilito para siempre porque Samba AD DC ya trae su propio servidor LDAP interno.

```
root@gerard:/home/admin01# sudo systemctl stop slapd
sudo systemctl disable slapd
slapd.service is not a native service, redirecting to systemd-sysv-install.
Executing: /usr/lib/systemd/systemd-sysv-install disable slapd
root@gerard:/home/admin01# sudo systemctl stop smbd nmbd winbind && sudo systemctl disable smbd nmbd winbind
Synchronizing state of smbd.service with SysV service script with /usr/lib/systemd/systemd-sysv-install.
Executing: /usr/lib/systemd/systemd-sysv-install disable smbd
Synchronizing state of nmbd.service with SysV service script with /usr/lib/systemd/systemd-sysv-install.
Executing: /usr/lib/systemd/systemd-sysv-install disable nmbd
Synchronizing state of winbind.service with SysV service script with /usr/lib/systemd/systemd-sysv-install.
Executing: /usr/lib/systemd/systemd-sysv-install disable winbind
root@gerard:/home/admin01#
```

Reinicio el servicio y vuelvo a comprobar el estado.

todo ok:

```
● samba-ad-dc.service - Samba AD Daemon
   Loaded: loaded (/usr/lib/systemd/system/samba-ad-dc.service; enabled; preset: enabled)
   Active: active (running) since Sat 2026-01-10 22:38:45 CET; 6s ago
     Docs: man:samba(8)
           man:samba(7)
           man:smb.conf(5)
  Process: 20001 ExecCondition=/usr/share/samba/is-configured samba (code=exited, status=0/SUCCESS)
 Main PID: 20003 (samba)
    Status: "samba: ready to serve connections..."
      Tasks: 58 (limit: 4601)
     Memory: 174.1M (peak: 260.0M)
        CPU: 2.711s
       CGroup: /system.slice/samba-ad-dc.service
               ├─20003 "samba: root process"
               ├─20005 "samba: tfork waiter process(20006)"
               ├─20006 "samba: task[s3fs] pre-fork master"
               ├─20007 "samba: tfork waiter process(20008)"
               ├─20008 "samba: task[rpc] pre-fork master"
               ├─20009 "samba: tfork waiter process(20011)"
               ├─20010 "samba: tfork waiter process(20012)"
               ├─20011 /usr/sbin/smbd -D "--option=server role check:inhibit=yes" --foreground
               ├─20012 "samba: task[nbt] pre-fork master"
               ├─20013 "samba: tfork waiter process(20014)"
               └─20014 "samba: task[pool pre-forked workers(0)]"
```

## PASO 18 – PERMISOS CHRONY

```
root@gerard:/home/admin01# chown root:_chrony /var/lib/samba//ntp_signd/
root@gerard:/home/admin01# sudo chmod 750 /var/lib/samba//ntp_signd/
root@gerard:/home/admin01# ls -ld /var/lib/samba//ntp_signd/
drwxr-x--- 2 root _chrony 4096 ene 10 22:38 /var/lib/samba//ntp_signd/
root@gerard:/home/admin01# █
```

## PASO 19 - CONFIGURACIÓN CHRONY

```
GNU nano 7.2                               /etc/chrony//chrony.conf *
keyfile /etc/chrony/chrony.keys

# This directive specify the file into which chronyd will store the rate
# information.
driftfile /var/lib/chrony/chrony.drift

# Save NTS keys and cookies.
ntsdumpdir /var/lib/chrony

# Uncomment the following line to turn logging on.
#log tracking measurements statistics

# Log files location.
logdir /var/log/chrony

# Stop bad estimates upsetting machine clock.
maxupdateskew 100.0

# This directive enables kernel synchronisation (every 11 minutes) of the
# real-time clock. Note that it can't be used along with the 'rtcsync' directive.
rtcsync

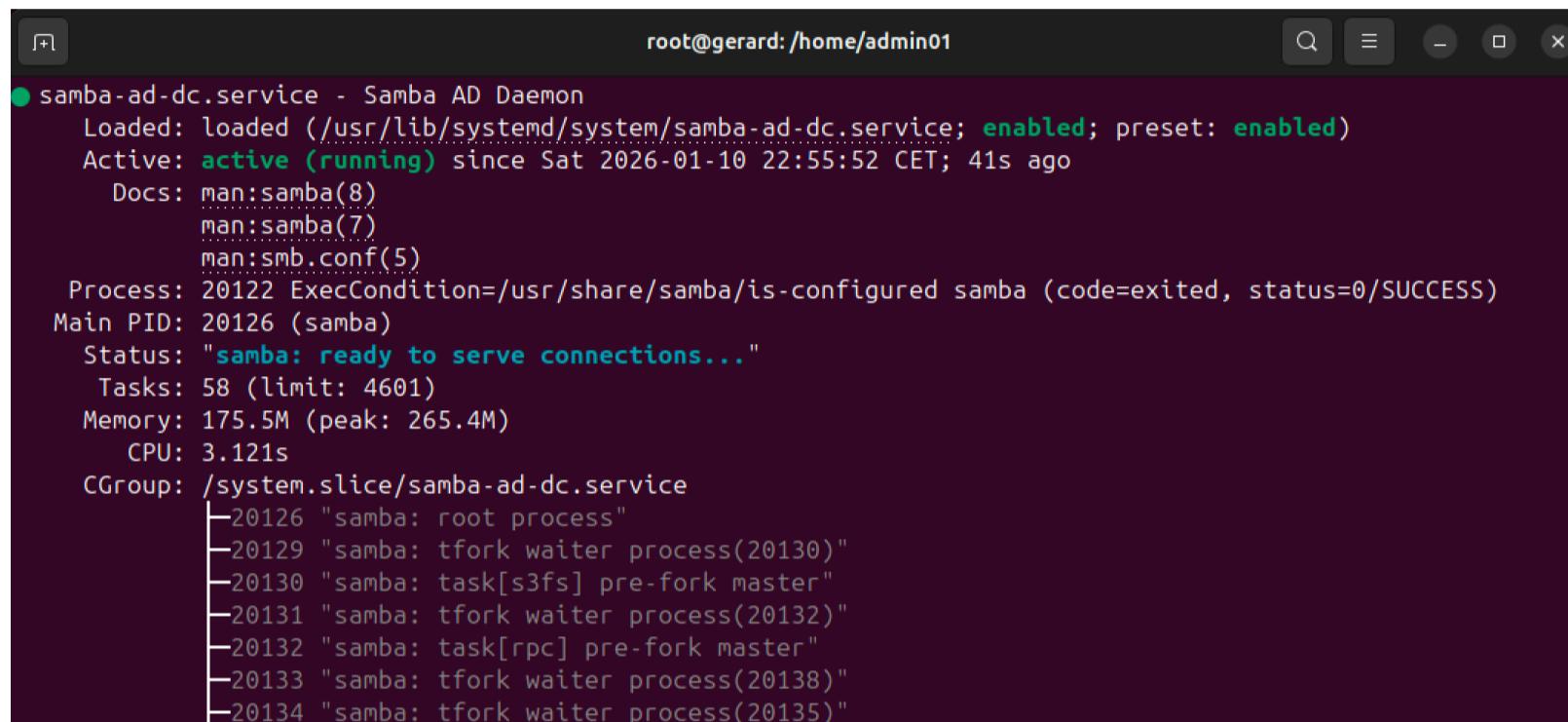
# Step the system clock instead of slewing it if the adjustment is larger than
# one second, but only in the first three clock updates.
makestep 1 3

# Get TAI-UTC offset and leap seconds from the system tz database.
# This directive must be commented out when using time sources serving
# leap-smeared time.
leapsectz right/UTC

bindcmdaddress 192.168.1.106
allow 192.168.0.0/24
ntpsingdsocket /var/lib/samba/ntp_signd█
```

## PASO 20 – REINIAMOS SERVICIO Y COMPROBACIÓN

```
root@gerard:/home/admin01# sudo nano /etc/chrony/chrony.conf
root@gerard:/home/admin01# systemctl restart samba-ad-dc
root@gerard:/home/admin01# systemctl status samba-ad-dc
```



The screenshot shows a terminal window with the title bar "root@gerard:/home/admin01". The window displays the output of the command "systemctl status samba-ad-dc". The service is listed as "samba-ad-dc.service - Samba AD Daemon" in green. It shows the service is active and running since Saturday, January 10, 2026, at 22:55:52 CET. It lists various process details such as Main PID, Status, Tasks, Memory, CPU, and CGroup. The CGroup section shows a hierarchy of processes starting from 20126, which is the root process, and branching down to several tfork waiter and task processes.

```
● samba-ad-dc.service - Samba AD Daemon
   Loaded: loaded (/usr/lib/systemd/system/samba-ad-dc.service; enabled; preset: enabled)
   Active: active (running) since Sat 2026-01-10 22:55:52 CET; 41s ago
     Docs: man:samba(8)
           man:samba(7)
           man:smb.conf(5)
  Process: 20122 ExecCondition=/usr/share/samba/is-configured samba (code=exited, status=0/SUCCESS)
 Main PID: 20126 (samba)
   Status: "samba: ready to serve connections..."
    Tasks: 58 (limit: 4601)
   Memory: 175.5M (peak: 265.4M)
      CPU: 3.121s
     CGroup: /system.slice/samba-ad-dc.service
             ├─20126 "samba: root process"
             ├─20129 "samba: tfork waiter process(20130)"
             ├─20130 "samba: task[s3fs] pre-fork master"
             ├─20131 "samba: tfork waiter process(20132)"
             ├─20132 "samba: task[rpc] pre-fork master"
             ├─20133 "samba: tfork waiter process(20138)"
             ├─20134 "samba: tfork waiter process(20135)"
```

Todo ok.

## PASO 21 – COMPROBACIONES

Comprobaremos Samba Active Directory Para ello, en primer lugar, verificaremos el dominio:

```
root@gerard:/home/admin01# rm /etc/resolv.conf
root@gerard:/home/admin01# nano /etc/resolv.conf
root@gerard:/home/admin01# host -t SRV _kerberos._udp.gerardocano.ldap
_kerberos._udp.gerardocano.ldap has SRV record 0 100 88 gerard.gerardocano.ldap.
root@gerard:/home/admin01# host -t A gerardocano.ldap
gerardocano.ldap has address 192.168.1.106
root@gerard:/home/admin01# host -t A admin01.gerardocano.ldap
Host admin01.gerardocano.ldap not found: 3(NXDOMAIN)
root@gerard:/home/admin01# host -t A gerard.gerardocano.ldap
gerard.gerardocano.ldap has address 192.168.1.106
root@gerard:/home/admin01# 
```

## PASO 22 – VERIFICACIÓN CON LOGIN

```
root@gerard:~# kinit Administrator@GERARDOCANO.LDAP
Password for Administrator@GERARDOCANO.LDAP:
Warning: Your password will expire in 41 days on sáb 21 feb 2026 23:41:14
root@gerard:~# klist
Ticket cache: FILE:/tmp/krb5cc_0
Default principal: Administrator@GERARDOCANO.LDAP

Valid starting     Expires            Service principal
10/01/26 23:43:02  11/01/26 09:43:02  krbtgt/GERARDOCANO.LDAP@GERARDOCANO.LDAP
                  renew until 11/01/26 23:42:57
root@gerard:~# █
```

## PASO 23 - CREACIÓN USUARIO CON SAMBA-TOOL

```
root@gerard:~# samba-tool user create gerard
New Password:
Retype Password:
User 'gerard' added successfully
root@gerard:~# kinit gerard@GERARDOCANO.LDAP
Password for gerard@GERARDOCANO.LDAP:
Warning: Your password will expire in 41 days on sáb 21 feb 2026 23:44:53
root@gerard:~# samba-tool user list
Guest
Administrator
gerard
krbtgt
root@gerard:~# klist
Ticket cache: FILE:/tmp/krb5cc_0
Default principal: gerard@GERARDOCANO.LDAP

Valid starting     Expires            Service principal
10/01/26 23:45:28  11/01/26 09:45:28  krbtgt/GERARDOCANO.LDAP@GERARDOCANO.LDAP
                  renew until 11/01/26 23:45:24
root@gerard:~# █
```