CONECTAR UBUNTU SERVER

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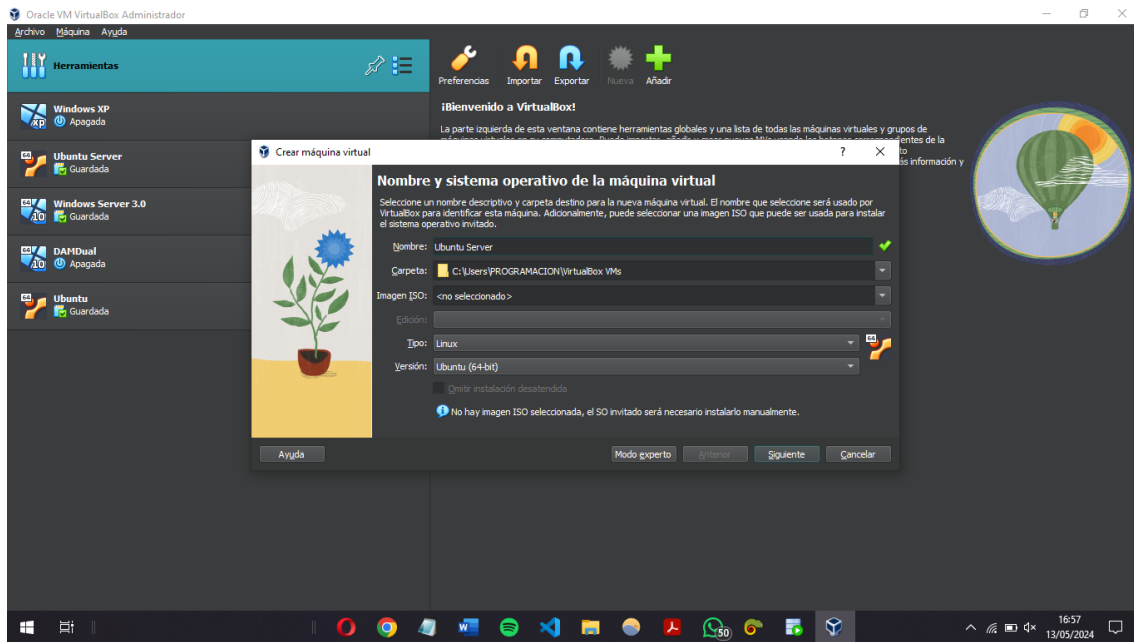
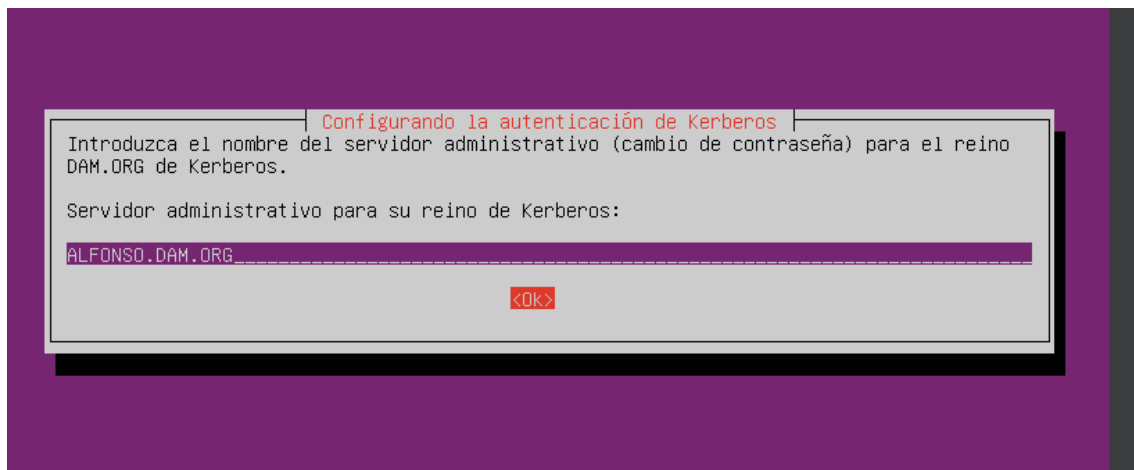Hacemos IP a, y veremos nuestra IP. En mi caso: 10.0.2.15

Hacemos

sudo nano /etc/hosts

```
  GNU nano 4.8                              /etc/hosts
127.0.0.1 localhost
127.0.1.1 alf.dam.org alf
10.0.2.15 alf.dam.org alf

# 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
```

```
alfonso@ubuntuserver:~$ ls -l /etc/netplan
total 4
-rw-r--r-- 1 root root 223 may 14 18:51 00-installer-config.yaml
alfonso@ubuntuserver:~$ _
```

Ponemos el nombre del server y el dominio

```
alfonso@alf:~$ hostnamectl
   Static hostname: alf
         Icon name: computer-vm
           Chassis: vm
        Machine ID: 90da65d41dae4c308a4d168d24dc27ad
           Boot ID: 5dee131b5b324cb7b3bcbe66a6fe97ea
    Virtualization: oracle
  Operating System: Ubuntu 20.04.6 LTS
            Kernel: Linux 5.4.0-182-generic
      Architecture: x86-64
```

```
# This is the network config written by 'subiquity'
network:
  version: 2
  renderer: networkd
  ethernets:
    enp0s3:
      dhcp4: no
      addresses: [10.0.2.12/24]
      gateway4: 10.0.2.1
      nameservers:
        addresses: [208.67.222.222]
```

Sudo netplan apply

```
alfonso@server:~$ sudo netplan apply
alfonso@server:~$ _
```

```
alfonso@server:~$ ip addr
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
    inet 127.0.0.1/8 scope host lo
       valid_lft forever preferred_lft forever
    inet6 ::1/128 scope host
       valid_lft forever preferred_lft forever
2: enp0s3: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc fq_codel state UP group default qlen
0
    link/ether 08:00:27:57:88:89 brd ff:ff:ff:ff:ff:ff
    inet 10.0.2.12/24 brd 10.0.2.255 scope global enp0s3
       valid_lft forever preferred_lft forever
    inet6 fe80::a00:27ff:fe57:8889/64 scope link
       valid_lft forever preferred_lft forever
```

sudo reboot

```
rg    help for more information.
alfonso@server:~$ sudo mv /etc/samba/smb.conf /etc/samba/smb.conf.old
alfonso@server:~$
```

sudo samba-tool domain provision

```
Repacking database from v1 to v2 format (first record CN=PSPs,CN=System,DC=dam,DC=org)
INFO 2024-05-20 21:32:39,683 pid:1012 /usr/lib/python3/dist-packages/samba/provision/sambadns.py #
00: Adding DNS accounts
INFO 2024-05-20 21:32:39,724 pid:1012 /usr/lib/python3/dist-packages/samba/provision/sambadns.py #
84: Creating CN=MicrosoftDNS,CN=System,DC=dam,DC=org
INFO 2024-05-20 21:32:39,741 pid:1012 /usr/lib/python3/dist-packages/samba/provision/sambadns.py #
47: Creating DomainDnsZones and ForestDnsZones partitions
INFO 2024-05-20 21:32:39,800 pid:1012 /usr/lib/python3/dist-packages/samba/provision/sambadns.py #
52: Populating DomainDnsZones and ForestDnsZones partitions
Repacking database from v1 to v2 format (first record DC=_gc._tcp.Default-First-Site-Name._sites,D
dam.org,CN=MicrosoftDNS,DC=DomainDnsZones,DC=dam,DC=org)
Repacking database from v1 to v2 format (first record CN=NTDS Quotas,DC=ForestDnsZones,DC=dam,DC=o
)
INFO 2024-05-20 21:32:40,040 pid:1012 /usr/lib/python3/dist-packages/samba/provision/__init__.py #
12: Setting up sam.ldb rootDSE marking as synchronized
INFO 2024-05-20 21:32:40,049 pid:1012 /usr/lib/python3/dist-packages/samba/provision/__init__.py #
17: Fixing provision GUIDs
INFO 2024-05-20 21:32:40,922 pid:1012 /usr/lib/python3/dist-packages/samba/provision/__init__.py #
48: A Kerberos configuration suitable for Samba AD has been generated at /var/lib/samba/private/kr
.conf
INFO 2024-05-20 21:32:40,926 pid:1012 /usr/lib/python3/dist-packages/samba/provision/__init__.py #
50: Merge the contents of this file with your system krb5.conf or replace it with this one. Do not
reate a symlink!
INFO 2024-05-20 21:32:40,982 pid:1012 /usr/lib/python3/dist-packages/samba/provision/__init__.py #
7: Once the above files are installed, your Samba AD server will be ready to use
INFO 2024-05-20 21:32:40,986 pid:1012 /usr/lib/python3/dist-packages/samba/provision/__init__.py #
2: Server Role:          active directory domain controller
INFO 2024-05-20 21:32:40,988 pid:1012 /usr/lib/python3/dist-packages/samba/provision/__init__.py #
3: Hostname:             server
INFO 2024-05-20 21:32:40,991 pid:1012 /usr/lib/python3/dist-packages/samba/provision/__init__.py #
4: NetBIOS Domain:       DAM
INFO 2024-05-20 21:32:40,994 pid:1012 /usr/lib/python3/dist-packages/samba/provision/__init__.py #
5: DNS Domain:           dam.org
INFO 2024-05-20 21:32:40,997 pid:1012 /usr/lib/python3/dist-packages/samba/provision/__init__.py #
5: DOMAIN SID:           S-1-5-21-2560003351-2820276104-3841467796
```

Contraseña: ejemploDam1_

```
    DOMAIN SID:           S-1-5-21-2560003351-2820276104-3841467796
alfonso@server:~$ sudo cp /var/lib/samba/private/krb5.conf /etc/
alfonso@server:~$ sudo systemctl stop smbd winbind systemd-resolved
```

```
alfonso@server:~$ sudo systemctl disable smbd 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 winbind.service with SysV service script with /lib/systemd/systemd-sysv-inst
ll.
Executing: /lib/systemd/systemd-sysv-install disable winbind
Removed /etc/systemd/system/multi-user.target.wants/systemd-resolved.service.
Removed /etc/systemd/system/multi-user.target.wants/winbind.service.
Removed /etc/systemd/system/multi-user.target.wants/smbd.service.
Removed /etc/systemd/system/dbus-org.freedesktop.resolve1.service.
```

```
alfonso@server:~$ sudo systemctl unmask samba-ad-dc
Removed /etc/systemd/system/samba-ad-dc.service.
alfonso@server:~$ sudo ls -l /etc/resolv.conf
lrwxrwxrwx 1 root root 39 Aug 31  2022 /etc/resolv.conf -> ../run/systemd/resolve/stub-resolv.conf
alfonso@server:~$ sudo rm /etc/resolv.conf
alfonso@server:~$
```

```
alfonso@server:~$ sudo systemctl unmask samba-ad-dc
Removed /etc/systemd/system/samba-ad-dc.service.
```

```
  GNU nano 4.8
domain dam.org
nameserver 127.0.0.1
```

```
alfonso@server:~$ sudo systemctl start samba-ad-dc
alfonso@server:~$ sudo systemctl enable samba-ad-dc
Synchronizing state of samba-ad-dc.service with SysV service script with /lib/systemd/systemd-sysv-i
nstall.
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/syste
m/samba-ad-dc.service.
alfonso@server:~$
```

```
alfonso@server:~$ sudo samba-tool domain level show
Domain and forest function level for domain 'DC=dam,DC=org'

Forest function level: (Windows) 2008 R2
Domain function level: (Windows) 2008 R2
Lowest function level of a DC: (Windows) 2008 R2
```

```
alfonso@server:~$ sudo samba-tool domain level show
Domain and forest function level for domain 'DC=dam,DC=org'

Forest function level: (Windows) 2008 R2
Domain function level: (Windows) 2008 R2
Lowest function level of a DC: (Windows) 2008 R2
alfonso@server:~$ sudo samba-tool user create usuario-dc
New Password:
Retype Password:
User 'usuario-dc' added successfully
```

Usuario: usuario-dc

Contraseña: ejemploDam1_

```
alfonso@server:~$ host -t SRV _ldap._tcp.dam.org
_ldap._tcp.dam.org has SRV record 0 100 389 server.dam.org.
alfonso@server:~$
```

```
alfonso@server:~$ host -t SRV _kerberos._udp.dam.org
_kerberos._udp.dam.org has SRV record 0 100 88 server.dam.org.
alfonso@server:~$
```

```
alfonso@server:~$ host -t A server.dam.org
server.dam.org has address 10.0.2.12
alfonso@server:~$
```

```
server.dam.org has address 10.0.2.12
alfonso@server:~$ nslookup
> server 10.0.2.12
Default server: 10.0.2.12
Address: 10.0.2.12#53
> set type=SRV
> _ldap._tcp.dam.org
Server:         10.0.2.12
Address:        10.0.2.12#53

_ldap._tcp.dam.org      service = 0 100 389 server.dam.org.
> exit
```

```
alfonso@server:~$ sudo smbclient -L server.dam.org -U 'administrator'
Password for [DAM\administrator]:
session setup failed: NT_STATUS_LOGON_FAILURE
alfonso@server:~$ sudo smbclient -L server.dam.org -U 'administrator'
Password for [DAM\administrator]:

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

```
Weak crypto is allowed

Server role: ROLE_ACTIVE_DIRECTORY_DC

Press enter to see a dump of your service definitions

# Global parameters
[global]
        dns forwarder = 127.0.0.53
        passdb backend = samba_dsdb
        realm = DAM.ORG
        server role = active directory domain controller
        workgroup = DAM
        rpc_server:tcpip = no
        rpc_daemon:spoolssd = embedded
        rpc_server:spoolss = embedded
        rpc_server:winreg = embedded
        rpc_server:ntsvcs = embedded
        rpc_server:eventlog = embedded
        rpc_server:srvsvc = embedded
        rpc_server:svcctl = embedded
        rpc_server:default = external
        winbindd:use external pipes = true
        idmap config * : backend = tdb
        map archive = No
        vfs objects = dfs_samba4 acl_xattr


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


[netlogon]
        path = /var/lib/samba/sysvol/dam.org/scripts
        read only = No
```

Dirección II

```
10.0.2.13
```

Longitud del prefijo de subred

```
24
```

Puerta de enlace

```
10.0.2.1
```

DNS preferido

```
10.0.2.12
```

DNS alternativo

```

```