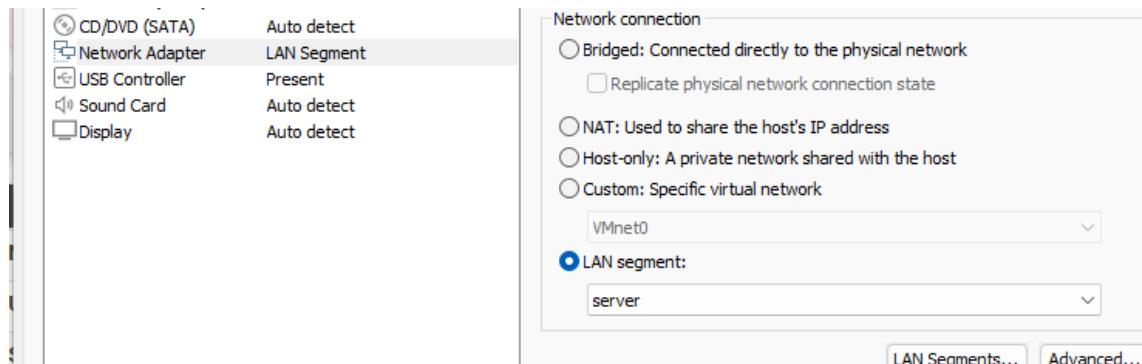
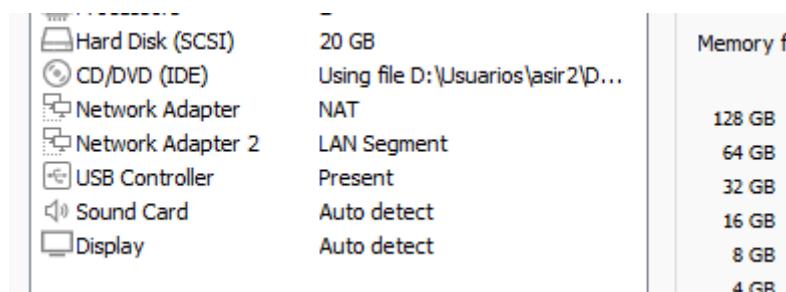


1. Red maquinas

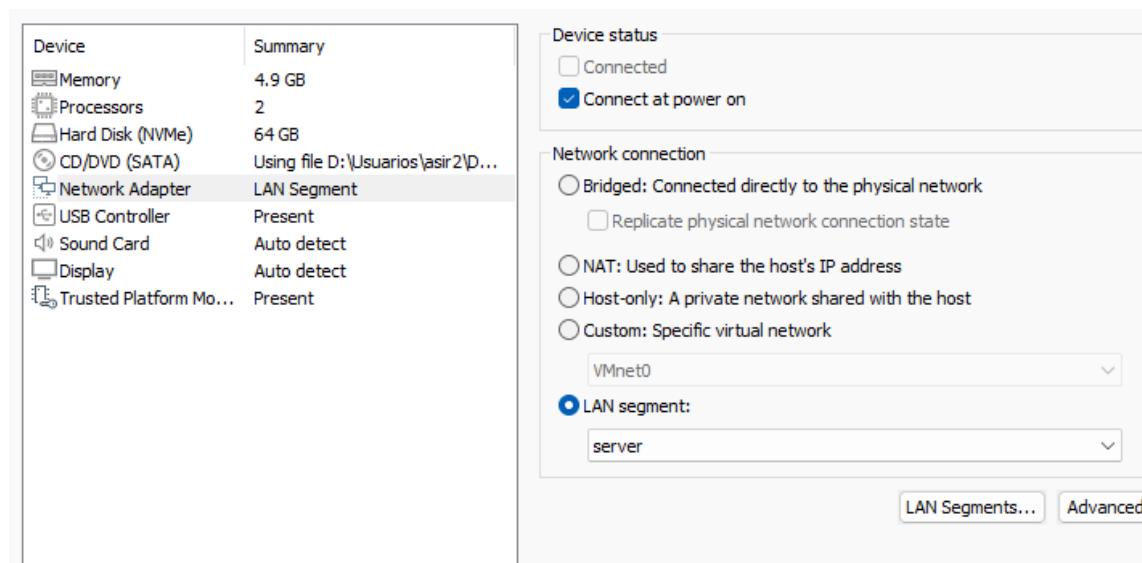
Wserver



Pfsense



W11 cliente



2. Pfsense

Cambiamos la dirección por defecto y seleccionamos una dirección, en este caso esta es la mia:

```
LAN (lan) -> em1 -> v4: 10.0.22.1/24

0) Logout / Disconnect SSH          9) pfTop
1) Assign Interfaces                10) Filter Logs
2) Set interface(s) IP address     11) Restart GUI
3) Reset admin account and password 12) PHP shell + pfSense tools
4) Reset to factory defaults       13) Update from console
5) Reboot system                   14) Enable Secure Shell (sshd)
6) Halt system                     15) Restore recent configuration
7) Ping host                       16) Restart PHP-FPM
8) Shell

Enter an option:
Message from syslogd@pfSense at Nov 24 11:14:39 ...
php-fpm[52976]: /index.php: webConfigurator authentication error for user 'admin'
' from: 10.0.22.30

Message from syslogd@pfSense at Nov 24 11:14:49 ...
php-fpm[52976]: /index.php: Successful login for user 'admin' from: 10.0.22.30 (
Local Database)
```

Asignamos el rango y habilitados el dhcp

```
Configure IPv6 address LAN interface via DHCP6? (y/n) y

Do you want to enable the DHCP server on LAN? (y/n) y
Enter the start address of the IPv4 client address range: 10.0.22.100
Enter the end address of the IPv4 client address range: 10.0.22.200
Disabling IPv6 DHCPD...

Please wait while the changes are saved to LAN...
  Reloading filter...
  Reloading routing configuration...
  DHCPD...

The IPv4 LAN address has been set to 10.0.22.1/24

The IPv6 LAN address has been set to dhcp6
```

Ponemos el nombre de nuestro dominio

System

Hostname	pfSense
Name of the firewall host, without domain part.	
Domain	plc.local
Domain name for the firewall.	
Do not end the domain name with '.local' as the final part (Top Level Domain, TLD). The 'local' TLD is widely used by mDNS (e.g. Avahi, Bonjour, Rendezvous, Airprint, Airplay) and some Windows systems and networked devices. These will not network correctly if the router uses 'local' as its TLD. Alternatives such as 'home.arpa', 'local.lan', or 'mylocal' are safe.	

Modificamos el dns

DNS Server Settings

DNS Servers	<input type="text" value="10.0.22.30"/>	DNS Hostname	<input type="text" value="none"/>
Address Enter IP addresses to be used by the system for DNS resolution. These are also used for the DHCP service, DNS Forwarder and DNS Resolver when it has DNS Query Forwarding enabled.	Hostname Enter the DNS Server Hostname for TLS Verification in the DNS Resolver (optional).	Gateway Optional select the gateway for each DNS server. When using multiple WAN connections there should be at least one unique DNS server per gateway.	
Add DNS Server		+ Add DNS Server	
DNS Server	<input checked="" type="checkbox"/> Allow DNS server list to be overridden by DHCP/PPP on WAN or remote OpenVPN server		

Configuración WAN:

Interfaces / WAN (em0)

General Configuration	
Enable	<input checked="" type="checkbox"/> Enable interface
Description	<input type="text" value="WAN"/> Enter a description (name) for the interface here.
IPv4 Configuration Type	<input type="text" value="DHCP"/>
IPv6 Configuration Type	<input type="text" value="DHCP6"/>

Configuración LAN:

Static IPv4 Configuration

<u>IPv4 Address</u>	10.0.22.1	/	24
<u>IPv4 Upstream gateway</u>	None	+ Add a new gateway	

If this interface is an Internet connection, select an existing Gateway from the list or add a new one using the "Add" button.
On local area network interfaces the upstream gateway should be "none".
Selecting an upstream gateway causes the firewall to treat this interface as a [WAN type interface](#).
Gateways can be managed by [clicking here](#).

3. Cambio de contraseña de admin

Ponemos usuario@1 y le damos a save:

The password for this account is insecure. Password is currently set to the default value (pfsense).
Change the password as soon as possible.

System / User Password Manager

Users Groups Settings **Change Password** Authentication Servers

Change Password

This page changes the password for the current user in the local configuration. This affects all services which utilize the Local Authentication database (User Manager).

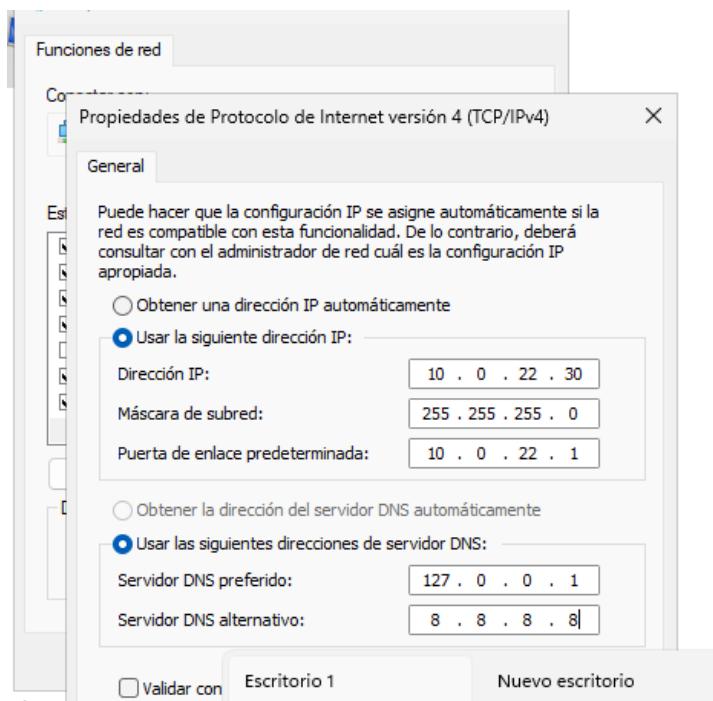
This page cannot change passwords for users from other authentication sources such as LDAP or RADIUS.

<u>Database</u>	Local Authentication
<u>Username</u>	admin
<u>Password</u> ?
Enter a new password.	
Hints: Current NIST guidelines prioritize password length over complexity. The password cannot be identical to the username.	
<u>Confirmation</u>	<input type="text"/>
Type the new password again for confirmation.	

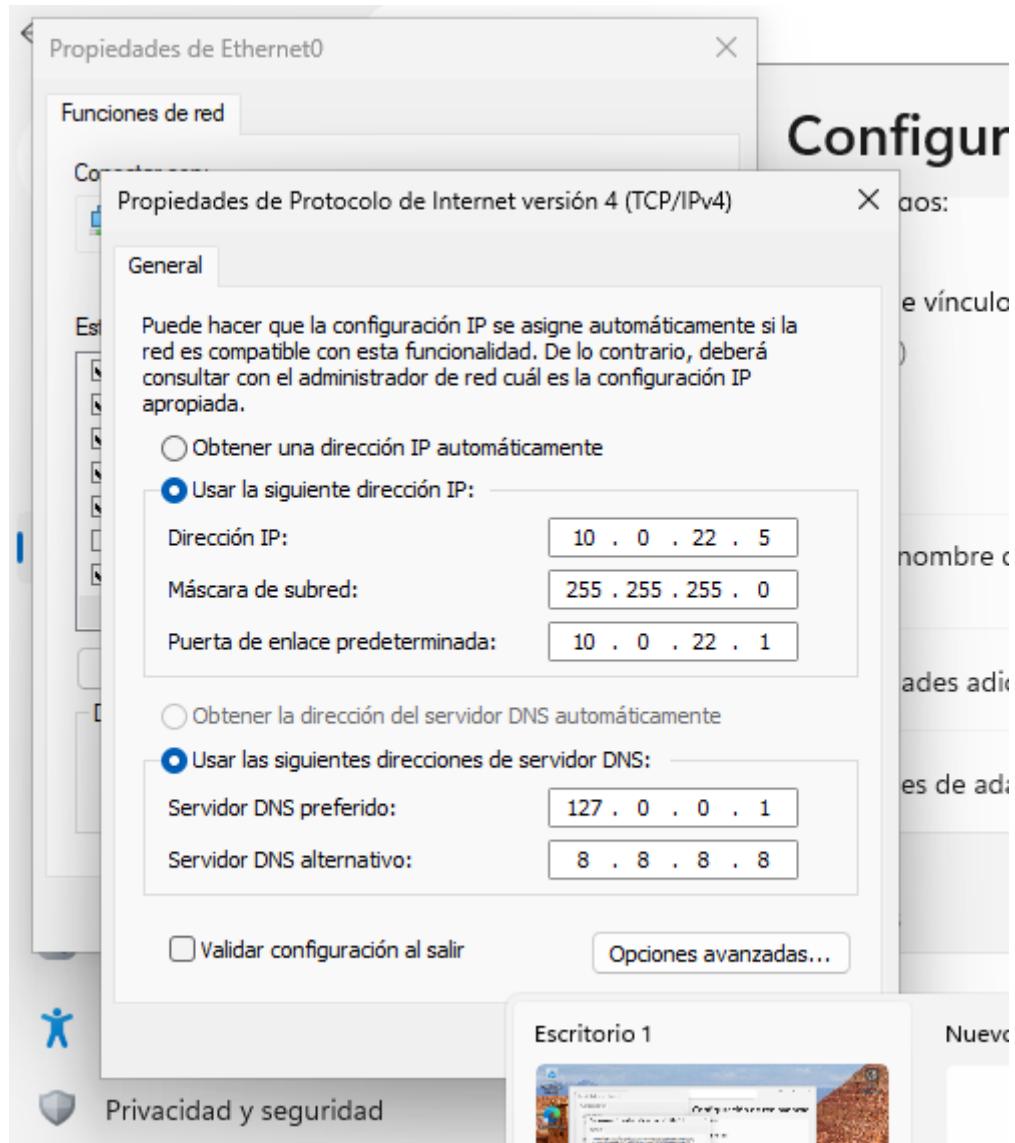
Save

4. Conexión entre dominio y cliente

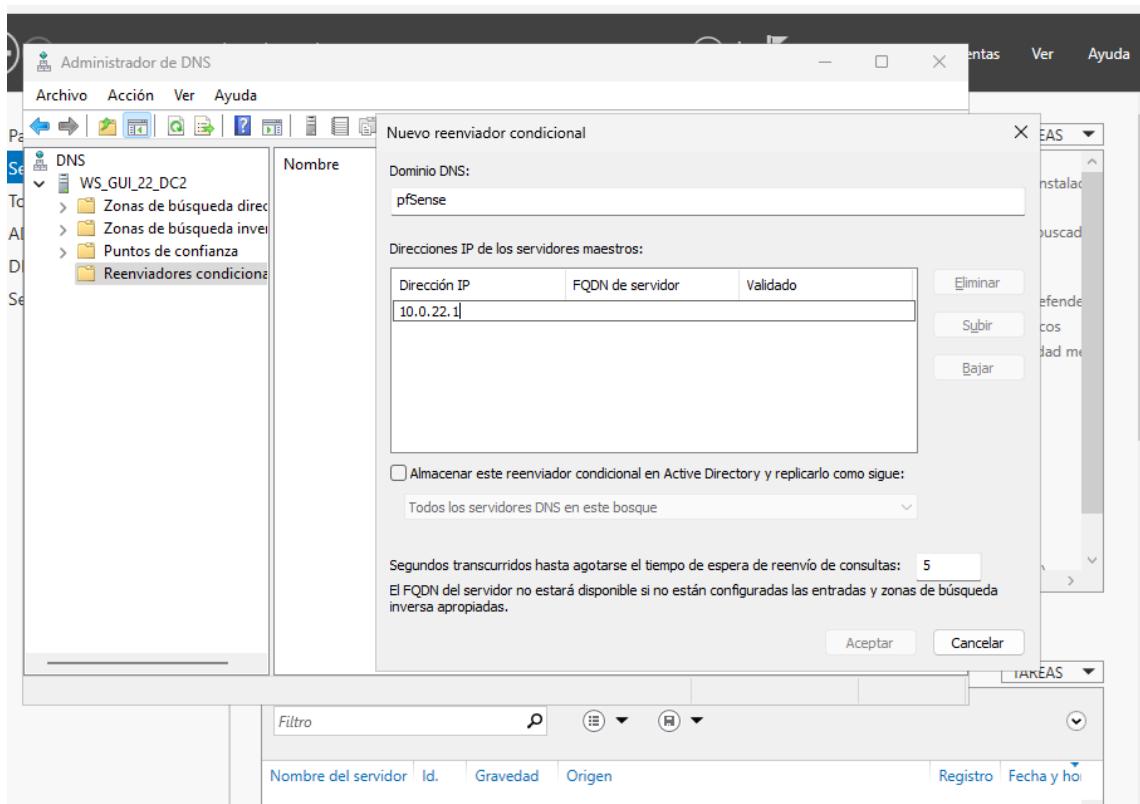
Direccion dominio:



Dirección w11



Activamos los reenviadores dns y ponemos la ip de nuestro pfSense



Prueba de conexión del dominio al pfsense:

```
Microsoft Windows [Versión 10.0.26100.1742]
(c) Microsoft Corporation. Todos los derechos reservados.

C:\Users\Administrador>ping 10.0.22.1

Haciendo ping a 10.0.22.1 con 32 bytes de datos:
Respuesta desde 10.0.22.1: bytes=32 tiempo=1ms TTL=64
Respuesta desde 10.0.22.1: bytes=32 tiempo<1ms TTL=64

Estadísticas de ping para 10.0.22.1:
    Paquetes: enviados = 2, recibidos = 2, perdidos = 0
                (0% perdidos),
    Tiempos aproximados de ida y vuelta en milisegundos:
        Mínimo = 0ms, Máximo = 1ms, Media = 0ms
Control-C
^C
C:\Users\Administrador>
```

Problema unión cliente al servidor

