

# MANUAL DEL ADMINISTRADOR

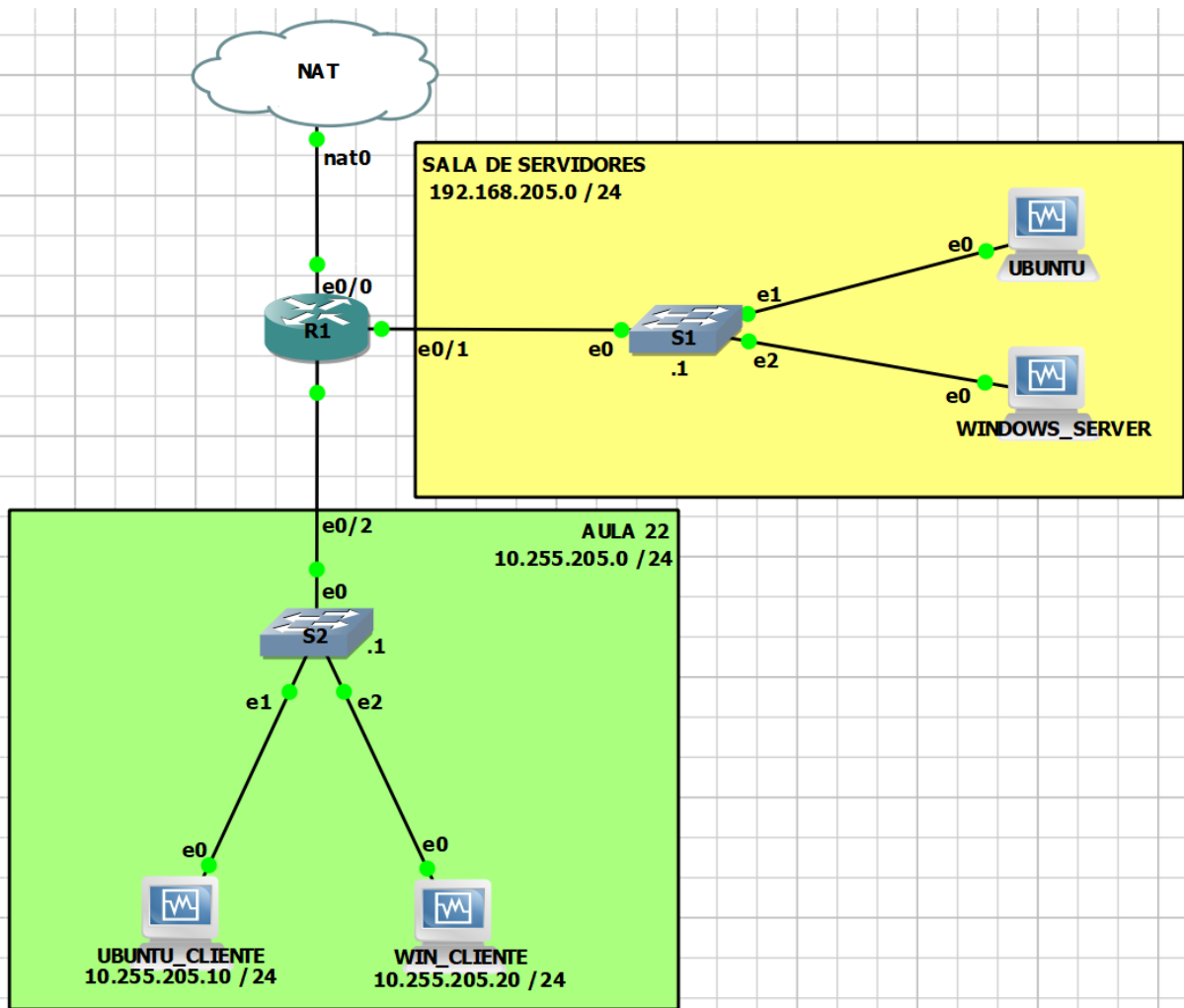


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# 1. Topología:



## 2. Configuración del Router:

Interface	IP-Address	OK?	Method	Status	Protocol
Ethernet0/0	192.168.112.118	YES	DHCP	up	up
Ethernet0/1	192.168.205.1	YES	NVRAM	up	up
Ethernet0/2	10.255.205.1	YES	NVRAM	up	up

```
interface Ethernet0/0
 ip address dhcp
 ip nat outside
 ip virtual-reassembly in
 duplex auto
!
interface Ethernet0/1
 ip address 192.168.205.1 255.255.255.0
 ip nat inside
 ip virtual-reassembly in
 duplex auto
!
interface Ethernet0/2
 ip address 10.255.205.1 255.255.255.0
 ip nat inside
 ip virtual-reassembly in
 duplex auto
!
```

```
access-list 1 permit 10.255.205.0 0.0.0.255
access-list 1 permit 192.168.205.0 0.0.0.255
```

### 3. Configuración servidor Ubuntu:

Ip:

```
GNU nano 4.8 /etc/netplan/01-network-manager-all.yaml
# Let NetworkManager manage all devices on this system
network:
  version: 2
  renderer: NetworkManager
  ethernets:
    # Interfaz
    enp0s3:
      dhcp4: no
      # IP / longitud
      addresses: [192.168.205.10/24]
      # Puerta de enlace
      gateway4: 192.168.205.1
      nameservers:
        # Servidor DNS público
        addresses: [192.168.205.20]
        # Servidor DNS privado
        #addresses: [172.16.100.2]
```

Páginas web:

```
adgo@m7ubuserver:/var/www$ ls
html ironman melon tomate
```

## Configuración de la página web de ironman:

```
GNU nano 4.8 /etc/apache2/sites-available/ironman.conf
<VirtualHost *:80>
    ServerName ironman.smx
    ServerAlias www.ironman.smx

    RewriteEngine on
    RewriteRule ^(.*)$ https://%{HTTP_HOST}$1 [R=301,L]
</VirtualHost>

<VirtualHost *:443>
    ServerAdmin admin@ironman.smx

    ServerName ironman.smx
    ServerAlias www.ironman.smx
    DocumentRoot /var/www/ironman/

    <Directory /var/www/ironman>
        Options FollowSymLinks
        Options +Indexes
        AllowOverride All
        Require all granted
    </Directory>

    SSLEngine on

    SSLCertificateFile      /etc/ssl/certs/certificado_ironman.crt
    SSLCertificateKeyFile   /etc/ssl/private/clave_ironman.key

    Protocols h2 http/1.1

    SSLProtocol all -SSLv3 -SSLv2 -TLSv1 -TLSv1.1

    SSLHonorCipherOrder on

    SSLCipherSuite "ECDHE-ECDSA-AES128-GCM-SHA256:ECDHE-RSA-AES128-GCM-SHA256:ECDHE-ECDSA-AES256-GCM-SHA384:ECDHE-RSA-AES256-GCM-SHA384:ECDHE-ECDSA-CHACHA20-POLY1305:ECDHE-RSA-CHACHA20-POLY1305:ECDHE-ECDSA-_AES128-SHA256:ECDHE-RSA-AES128-SHA256:ECDHE-ECDSA-AES128-SHA:AES128-SHA:ECDHE-ECDSA-AES256-SHA:AES256-SHA:ECDHE-ECDSA-DES-CBC3-SHA:DES-CBC3-SHA:DHE-RSA-AES128-SHA256:DHE-RSA-AES256-SHA256:DHE-RSA-AES128-SHA:DHE-RSA-AES256-SHA:DHE-RSA-DES-CBC3-SHA:DHE-RSA-EDDSA-ECDHE-ECDSA-AES128-SHA256:DHE-RSA-EDDSA-ECDHE-ECDSA-AES256-SHA256:DHE-RSA-EDDSA-ECDHE-ECDSA-CHACHA20-POLY1305:DHE-RSA-EDDSA-ECDHE-RSA-CHACHA20-POLY1305:DHE-RSA-EDDSA-ECDHE-ECDSA-AES128-SHA:DHE-RSA-EDDSA-ECDHE-RSA-AES128-SHA:DHE-RSA-EDDSA-ECDHE-ECDSA-AES256-SHA:DHE-RSA-EDDSA-ECDHE-RSA-AES256-SHA:DHE-RSA-EDDSA-ECDHE-ECDSA-DES-CBC3-SHA:DHE-RSA-EDDSA-ECDHE-RSA-DES-CBC3-SHA:DHE-RSA-EDDSA-ECDHE-ECDSA-DES-CBC3-SHA:DHE-RSA-EDDSA-ECDHE-RSA-DES-CBC3-SHA"

    SSLCompression off
    SSLSessionTickets off

    Header always set Strict-Transport-Security "max-age=63072000; includeSubdomains; preload"
    Header edit Set-Cookie ^(.*)$ $1;HttpOnly;Secure
    Header always set X-XSS-Protection "1; mode=block"

    Header always append X-Frame-Options "SAMEORIGIN"

    Header always set X-Content-Type-Options "nosniff"

    ErrorLog ${APACHE_LOG_DIR}/ironman-error.log
    CustomLog ${APACHE_LOG_DIR}/ironman-access.log combined
</VirtualHost>
```

## Accesibilidad a la página web:

```
adgo@m7ubuserver:/var/www/ironman$ cat /var/www/ironman/delegats/.htaccess
AuthName "User authentication"
AuthType Basic
AuthUserFile /etc/apache2/.usuarios

# Autenticar todos los usuarios
#Require valid-user

# Autenticar algunos usuarios
Require user Novel Alex

Options +Indexes
adgo@m7ubuserver:/var/www/ironman$ cat /var/www/ironman/alumnes/.htaccess
Options +Indexes
adgo@m7ubuserver:/var/www/ironman$ cat /var/www/ironman/docents/.htaccess
AuthName "Group authentication"
AuthType Basic
AuthUserFile /etc/apache2/.usuarios
AuthGroupFile /etc/apache2/.grupos

Require group cracks

Options +Indexes
adgo@m7ubuserver:/var/www/ironman$ cat /etc/apache2/.grupos
cracks: Pedro Jenny
```

```
adgo@m7ubuserver:~$ cat /etc/apache2/.usuarios
Novel:$apr1$e.FLyM3r$23.GgK6A0H8VcI7pTXgWW0
Alex:$apr1$Mt.umXab$0lIgLnEvU9WPP0jv5Cxtf0
Jenny:$apr1$f/PrEg4u$fl4T4xKWTGP1b7bHYkfZ6/
Pedro:$apr1$884jUqu2$YYjRvkFmVrJLoFZGIyqLJ0
```

## Configuración de la página web tomate:

```
GNU nano 4.8 /etc/apache2/sites-available/tomate.conf Modificado
<VirtualHost *:80>
    ServerName tomate.smx
    ServerAlias www.tomate.smx

    RewriteEngine on
    RewriteRule ^(.*)$ https://%{HTTP_HOST}$1 [R=301,L]
</VirtualHost>

<VirtualHost *:443>
    ServerAdmin admin@tomate.smx

    ServerName tomate.smx
    ServerAlias www.tomate.smx
    DocumentRoot /var/www/tomate/

    <Directory /var/www/tomate>
        Options FollowSymLinks
        AllowOverride All
        Require all granted
    </Directory>

    SSLEngine on

    SSLCertificateFile      /etc/ssl/certs/certificado_tomate.crt
    SSLCertificateKeyFile   /etc/ssl/private/clave_tomate.key

    Protocols h2 http/1.1

    SSLProtocol all -SSLv3 -SSLv2 -TLSv1 -TLSv1.1

    SSLHonorCipherOrder on

    SSLCipherSuite "ECDHE-ECDSA-AES128-GCM-SHA256:ECDHE-RSA-AES128-GCM-SHA256:ECDHE-ECDSA-AES256-GCM-SHA384:ECDHE-RSA-AES256-GCM-SHA384:ECDHE-ECDSA-CHACHA20-POLY1305:ECDHE-RSA-CHACHA20-POLY1305:ECDHE-ECDSA-ARIA128-GCM-SHA384:ECDHE-RSA-ARIA128-GCM-SHA384:ECDHE-ECDSA-ARIA256-GCM-SHA384:ECDHE-RSA-ARIA256-GCM-SHA384:DHE-RSA-AES128-GCM-SHA256:DHE-RSA-AES256-GCM-SHA384:DHE-RSA-CHACHA20-POLY1305:DHE-RSA-ARIA128-GCM-SHA384:DHE-RSA-ARIA256-GCM-SHA384:AES128-GCM-SHA256:AES256-GCM-SHA384:CHACHA20-POLY1305:ARIA128-GCM-SHA384:ARIA256-GCM-SHA384:ECDHE-RSA-RC4-SHA:ECDHE-ECDSA-RC4-SHA:RSA-RC4:HIGH:!MD5:!DHE"

    SSLCompression off
    SSLSessionTickets off

    Header always set Strict-Transport-Security "max-age=63072000; includeSubdomains; preload"

    Header edit Set-Cookie ^(.*)$ $1;HttpOnly;Secure
    Header always set X-XSS-Protection "1; mode=block"
    Header always append X-Frame-Options "SAMEORIGIN"

    Header always set X-Content-Type-Options "nosniff"

    ErrorLog ${APACHE_LOG_DIR}/tomate-error.log
    CustomLog ${APACHE_LOG_DIR}/tomate-access.log combined
</VirtualHost>
```



## Configuración de la página web melón:

```
GNU nano 4.8 /etc/apache2/sites-available/melon.conf
<VirtualHost *:80>
    ServerName melon.smx
    ServerAlias www.melon.smx

    RewriteEngine on
    RewriteRule ^(.*)$ https://%{HTTP_HOST}$1 [R=301,L]
</VirtualHost>

<VirtualHost *:443>
    ServerAdmin admin@melon.smx

    ServerName melon.smx
    ServerAlias www.melon.smx
    DocumentRoot /var/www/melon/

    <Directory /var/www/melon>
        Options FollowSymLinks
        AllowOverride All
        Require all granted
    </Directory>

    SSLEngine on

    SSLCertificateFile      /etc/ssl/certs/certificado_melon.crt
    SSLCertificateKeyFile   /etc/ssl/private/clave_melon.key

    Protocols h2 http/1.1

    SSLProtocol all -SSLv3 -SSLv2 -TLSv1 -TLSv1.1

    SSLHonorCipherOrder on

    SSLCipherSuite "ECDHE-ECDSA-AES128-GCM-SHA256:ECDHE-RSA-AES128-GCM-SHA256:ECDHE-ECDSA-AES256-GCM-SHA384:ECDHE-RSA-AES256-GCM-SHA384:ECDHE-ECDSA-CHACHA20-POLY1305:ECDHE-RSA-CHACHA20-POLY1305:ECDHE-ECDSA-ARIA128-GCM-SHA256:ECDHE-RSA-ARIA128-GCM-SHA256:ECDHE-ECDSA-ARIA256-GCM-SHA384:ECDHE-RSA-ARIA256-GCM-SHA384:DHE-RSA-AES128-GCM-SHA256:DHE-RSA-AES256-GCM-SHA384:DHE-RSA-CHACHA20-POLY1305:DHE-RSA-ARIA128-GCM-SHA256:DHE-RSA-ARIA256-GCM-SHA384:AES128-GCM-SHA256:AES256-GCM-SHA384:AEAD-AES128-SHA256:AEAD-AES256-SHA384:HIGH:MEDIUM:+3DES:!MD4:!SHA1"

    SSLCompression off
    SSLSessionTickets off

    Header always set Strict-Transport-Security "max-age=63072000; includeSubdomains; preload"

    Header edit Set-Cookie ^(.*)$ $1;HttpOnly;Secure
    Header always set X-XSS-Protection "1; mode=block"

    Header always append X-Frame-Options "SAMEORIGIN"

    Header always set X-Content-Type-Options "nosniff"

    ErrorLog ${APACHE_LOG_DIR}/melon-error.log
    CustomLog ${APACHE_LOG_DIR}/melon-access.log combined
</VirtualHost>
```

## Páginas web de Ironman:

🔒 https://www.ironman.smx

# No posts found!

Adrian Powered by HTMLy

### Ironman

Trabajo de Servicios en Red

---

Home

---

### ABOUT

Primer examen de HTTPS

Type to search



### RECENT POSTS

No recent posts found

### ARCHIVES

← → ↻ 🔒 https://www.ironman.smx/alumnes/

## Index of /alumnes

<a href="#">Name</a>	<a href="#">Last modified</a>	<a href="#">Size</a>	<a href="#">Description</a>
 <a href="#">Parent Directory</a>		-	
 <a href="#">fichero.txt</a>	2021-12-09 18:10	2.3K	

Apache/2.4.41 (Ubuntu) Server at www.ironman.smx Port 443

← → ×

## Index of /alumnos

<a href="#">Name</a>	<a href="#">Last modified</a>	<a href="#">Size</a>	<a href="#">Description</a>
<a href="#">Parent Directory</a>	-		
<a href="#">fichero.txt</a>	2021-12-09 18:10	2.3K	

Apache/2.4.41 (Ubuntu) Server at www.ironman.smx Port 443

www.ironman.smx

Este sitio le pide que inicie sesión.

Nombre de usuario

Contraseña

← → ↻

## Index of /delegats

<a href="#">Name</a>	<a href="#">Last modified</a>	<a href="#">Size</a>	<a href="#">Description</a>
<a href="#">Parent Directory</a>	-		
<a href="#">delegados.html</a>	2021-12-09 18:55	2.3K	

Apache/2.4.41 (Ubuntu) Server at www.ironman.smx Port 443

Comenzar a usar Firefox

www.ironman.smx

Este sitio le pide que inicie sesión.

Nombre de usuario

Contraseña

← → ↻

## Index of /docents

<a href="#">Name</a>	<a href="#">Last modified</a>	<a href="#">Size</a>	<a href="#">Description</a>
<a href="#">Parent Directory</a>	-		
<a href="#">profes.html</a>	2021-12-09 18:55	2.3K	

Apache/2.4.41 (Ubuntu) Server at www.ironman.smx Port 443

# Páginas web de Tomate:

https://www.tomate.smx/install.php

## Installation

Language

### Choose a language

Please choose a language for the installation. This language will also be used as the default language for the site, though it may be changed later.

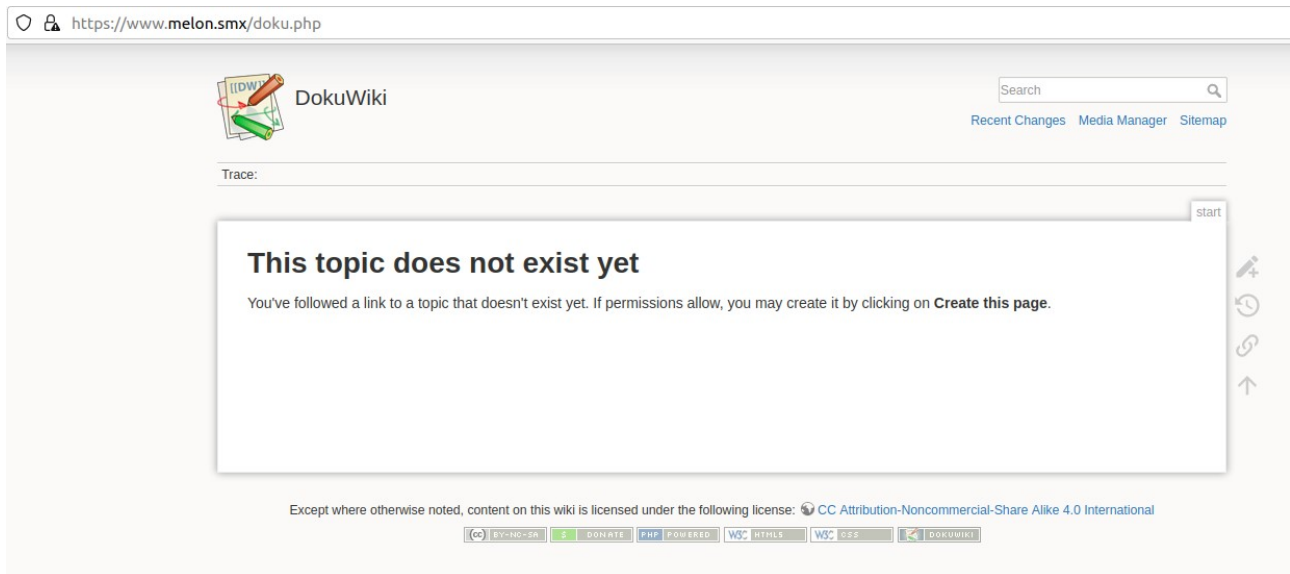
Language

English (en)

Next »



# Páginas web de Melon:



# 4. Configuración servidor Windows:

Ip:

Internet Protocol Version 4 (TCP/IPv4) Properties

General

You can get IP settings assigned automatically if your network supports this capability. Otherwise, you need to ask your network administrator for the appropriate IP settings.

☐ Obtain an IP address automatically

☒ Use the following IP address:

IP address:

192 . 168 . 205 . 20

Subnet mask:

255 . 255 . 255 . 0

Default gateway:

192 . 168 . 205 . 1

☐ Obtain DNS server address automatically

☒ Use the following DNS server addresses:

Preferred DNS server:

127 . 0 . 0 . 1

Alternate DNS server:

. . .

☐ Validate settings upon exit

Advanced...

OK

Cancel

Dominios:

	Name	Type	Status	DNSSEC Status	Key Master
DNS SERVER Forward Lookup Zones	_msdcs.adgo.foo	Active Directory-Integrated Pr...	Running	Not Signed	
	adgo.foo	Active Directory-Integrated Pr...	Running	Not Signed	
	_msdcs.adgo.foo	Active Directory-Integrated Pr...	Running	Not Signed	
	adgo.foo	Active Directory-Integrated Pr...	Running	Not Signed	
	ironman.smx	Active Directory-Integrated Pr...	Running	Not Signed	
	melon.smx	Active Directory-Integrated Pr...	Running	Not Signed	
	tomate.smx	Active Directory-Integrated Pr...	Running	Not Signed	

DNS

SERVER

Forward Lookup Zones

msdcs.adgo.foo

adgo.foo

ironman.smx

melon.smx

tomate.smx

Reverse Lookup Zones

Trust Points

Conditional Forwarders

Name	Type	Data	Timestamp
(same as parent folder)	Start of Authority (SOA)	[2], server.adgo.foo., host...	static
(same as parent folder)	Name Server (NS)	server.adgo.foo.	static
www	Host (A)	192.168.205.10	static

www Properties

Host (A)Security

Host (uses parent domain if left blank):  
www

Fully qualified domain name (FQDN):  
www.ironman.smx

IP address:  
192.168.205.10

☐ Update associated pointer (PTR) record

OKCancelApply

DNS

SERVER

Forward Lookup Zones

msdcs.adgo.foo

adgo.foo

ironman.smx

melon.smx

tomate.smx

Reverse Lookup Zones

Trust Points

Conditional Forwarders

Name	Type	Data	Timestamp
(same as parent folder)	Start of Authority (SOA)	[2], server.adgo.foo., host...	static
(same as parent folder)	Name Server (NS)	server.adgo.foo.	static
www	Host (A)	192.168.205.10	static

www Properties

Host (A)Security

Host (uses parent domain if left blank):  
www

Fully qualified domain name (FQDN):  
www.melon.smx

IP address:  
192.168.205.10

☐ Update associated pointer (PTR) record

OKCancelApply

DNS

SERVER

Forward Lookup Zones

\_msdcs.adgo.foo

adgo.foo

ironman.smx

melon.smx

tomate.smx

Reverse Lookup Zones

Trust Points

Conditional Forwarders

Name	Type	Data	Timestamp
(same as parent folder)	Start of Authority (SOA)	[2], server.adgo.foo., host...	static
(same as parent folder)	Name Server (NS)	server.adgo.foo.	static
www	Host (A)	192.168.205.10	static

www Properties

Host (A)Security

Host (uses parent domain if left blank):  
www

Fully qualified domain name (FQDN):  
www.tomate.smx

IP address:  
192.168.205.10

☐ Update associated pointer (PTR) record

OK

Cancel

Apply



## 5. Configuración Ubuntu Cliente:

```
GNU nano 4.8 /etc/netplan/01-network-manager-all.yaml
# Let NetworkManager manage all devices on this system network:
network:
  version: 2
  renderer: NetworkManager
  ethernets:
    # Interfaz
    enp0s3:
      dhcp4: no
      # IP / longitud
      addresses: [10.255.205.10/24]
      # Puerta de enlace
      gateway4: 10.255.205.1
      nameservers:
        # Servidor DNS público
        addresses: [192.168.205.20]
        # Servidor DNS privado
        #addresses: [172.16.100.2]
```

# 6. Configuración Windows Cliente:

## Configuración de IP

Asignación de IP:	Manual
Dirección IPv4:	10.255.205.10
Longitud del prefijo de subred IPv4	24
Puerta de enlace de IPv4:	10.255.205.1
Servidores DNS IPv4:	192.168.205.20

Editar

# 7. Tabla direccionamiento:

Dispositivo	Interfaz	Dirección IP	Máscara	Gateway
Ubuntu Server	e0/1	192.168.205.0	/24	192.168.205.1
Windows Server	e0/2	192.168.205.0	/24	192.168.205.1
Ubuntu Cliente	e0/1	10.255.205.10	/24	10.255.205.1
Windows Cliente	e0/2	10.255.205.20	/24	10.255.205.1