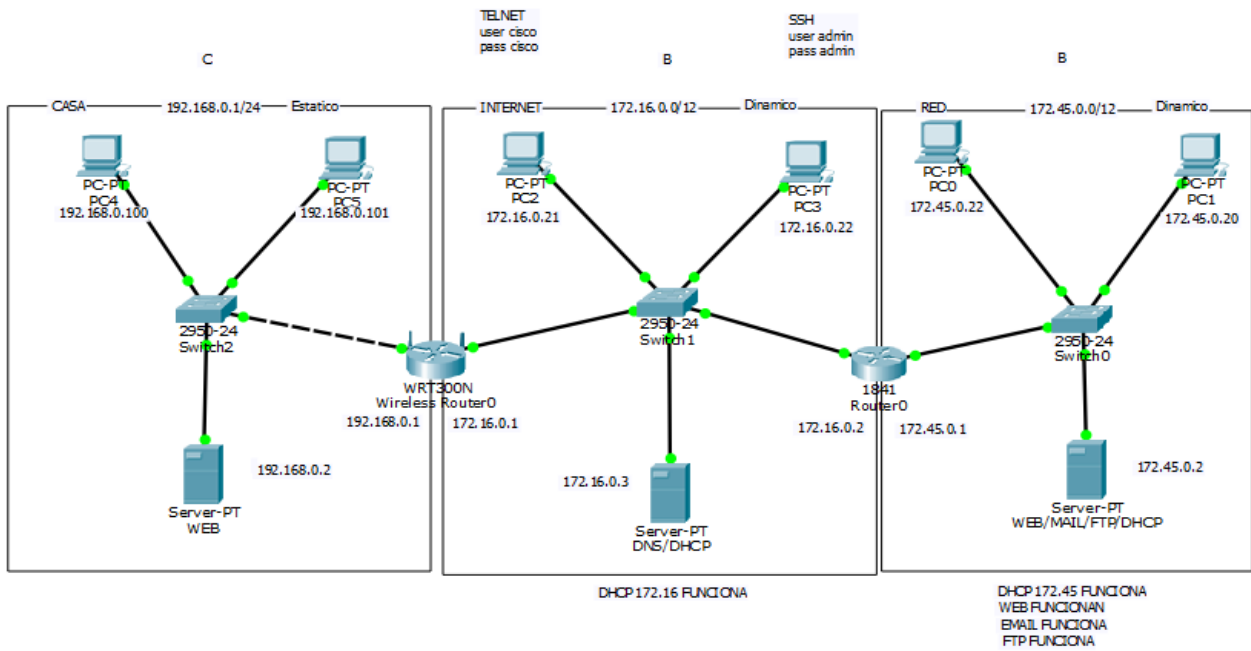


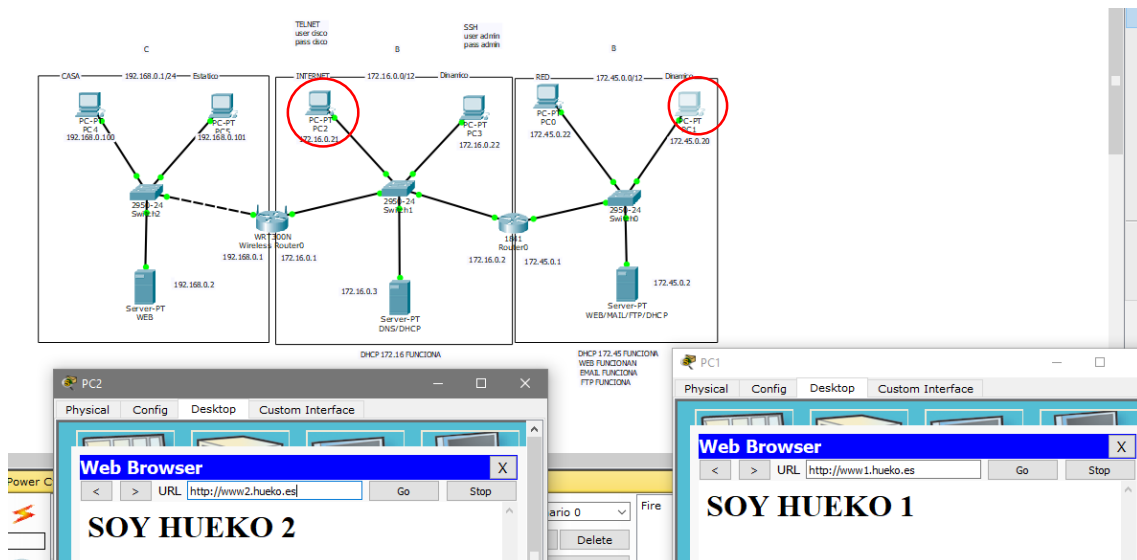
PRACTICA 1



Prueba WEB:

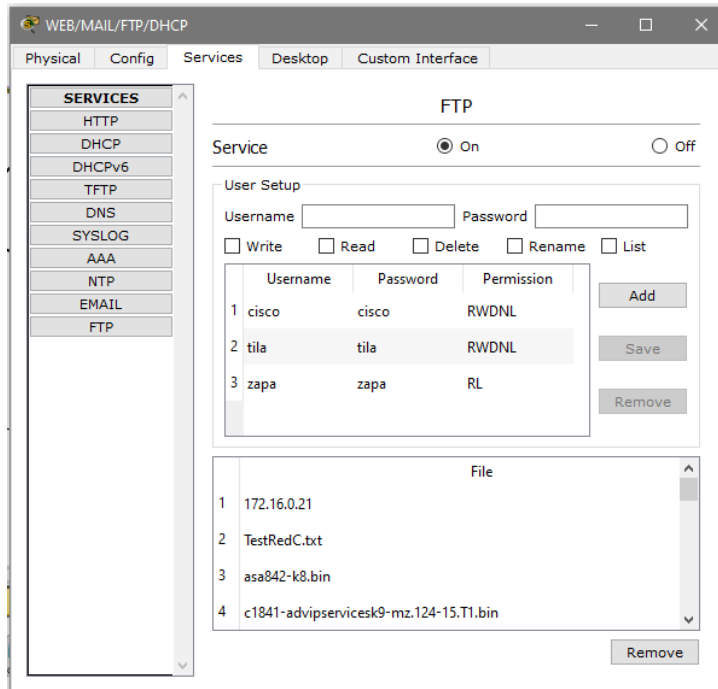
Accedemos a la web de www1.hueko.es de la red 192.168.0.0 con un ordenador de la red 172.16.0.21

Accedemos a la web de www2.hueko.es de la red 172.45.0.0 con un ordenador de la red 172.16.0.0 y también accedemos a www1.hueko.es desde un ordenador la red 172.45.0.0

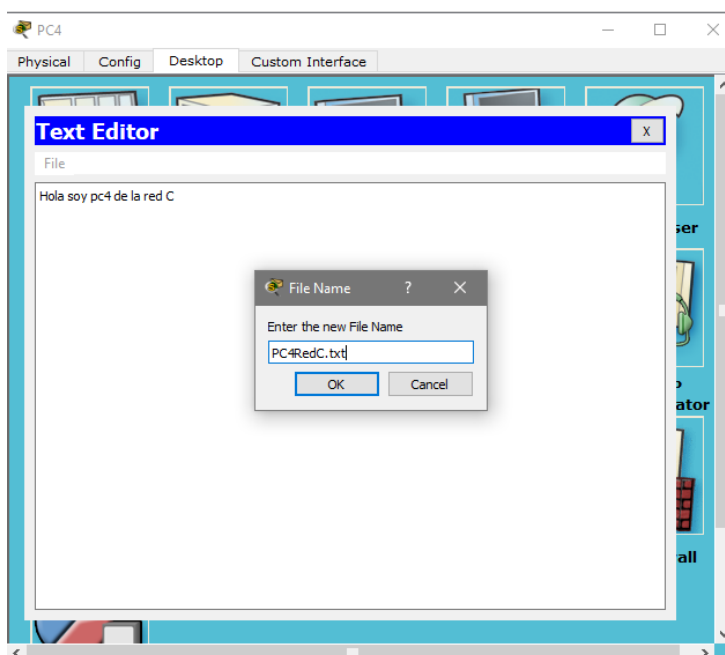


PRUEBA FTP:

Foto Servidor:



Desde pc4 de la red C creamos un documento y lo llamamos PC4RedC.txt



Accedemos a la consola del pc4 y usamos el servicio FTP:

Entramos con el usuario Tila que tiene todos los permisos, hacemos un dir y comprobamos la información del servidor, vemos que el fichero que hemos creado anteriormente no está asíque procedemos a subirlo con el comando put

```

Packet Tracer PC Command Line 1.0
PC>ftp 172.45.0.2
Trying to connect...172.45.0.2
Connected to 172.45.0.2
220- Welcome to PT Ftp server
Username:tila
331- Username ok, need password
Password:
230- Logged in
(passive mode On)
ftp>dir

Listing /ftp directory from 172.45.0.2:
 0 : 172.16.0.21                25
 1 : TestRedC.txt                4
 2 : asa842-k8.bin               5571584
 3 : c1841-advipservicesk9-mz.124-15.T1.bin 33591768
 4 : c1841-ipbase-mz.123-14.T7.bin 13832032
 5 : c1841-ipbasek9-mz.124-12.bin 16599160
 6 : c2600-advipservicesk9-mz.124-15.T1.bin 33591768
 7 : c2600-i-mz.122-28.bin        5571584
 8 : c2600-ipbasek9-mz.124-8.bin  13169700
 9 : c2800nm-advipservicesk9-mz.124-15.T1.bin 50938004
10 : c2800nm-advipservicesk9-mz.151-4.M4.bin 33591768
11 : c2800nm-ipbase-mz.123-14.T7.bin 5571584
12 : c2800nm-ipbasek9-mz.124-8.bin 15522644
13 : c2950-i6q412-mz.121-22.EA4.bin 3058048
14 : c2950-i6q412-mz.121-22.EA8.bin 3117390
15 : c2960-lanbase-mz.122-25.FX.bin 4414921
16 : c2960-lanbase-mz.122-25.SE1.bin 4670455
17 : c2960-lanbasek9-mz.150-2.SE4.bin 4670455
18 : c3560-advipservicesk9-mz.122-37.SE1.bin 8662192
19 : pt1000-i-mz.122-28.bin       5571584
20 : pt3000-i6q412-mz.121-22.EA4.bin 3117390

```

```

ftp>put PC4RedC.txt

Writing file PC4RedC.txt to 172.45.0.2:
File transfer in progress...

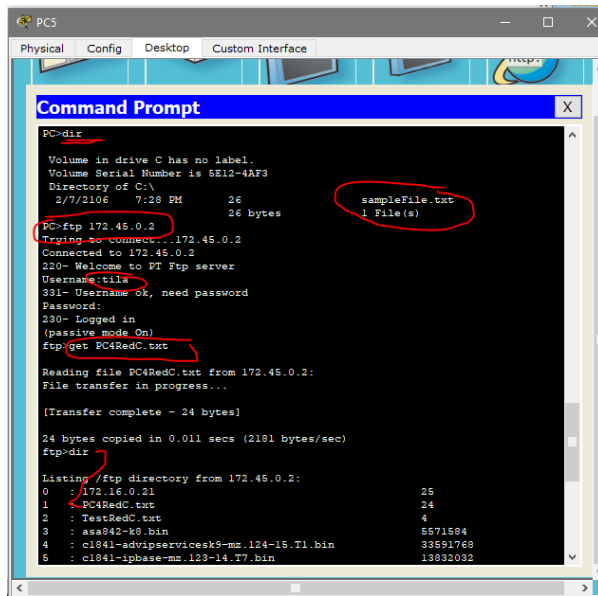
[Transfer complete - 24 bytes]

24 bytes copied in 0.07 secs (342 bytes/sec)
ftp>dir

Listing /ftp directory from 172.45.0.2:
 0 : 172.16.0.21                25
 1 : PC4RedC.txt                 24
 2 : TestRedC.txt                4
 3 : asa842-k8.bin               5571584
 4 : c1841-advipservicesk9-mz.124-15.T1.bin 33591768
 5 : c1841-ipbase-mz.123-14.T7.bin 13832032
 6 : c1841-ipbasek9-mz.124-12.bin 16599160
 7 : c2600-advipservicesk9-mz.124-15.T1.bin 33591768
 8 : c2600-i-mz.122-28.bin        5571584
 9 : c2600-ipbasek9-mz.124-8.bin  13169700
10 : c2800nm-advipservicesk9-mz.124-15.T1.bin 50938004
11 : c2800nm-advipservicesk9-mz.151-4.M4.bin 33591768
12 : c2800nm-ipbase-mz.123-14.T7.bin 5571584
13 : c2800nm-ipbasek9-mz.124-8.bin 15522644
14 : c2950-i6q412-mz.121-22.EA4.bin 3058048
15 : c2950-i6q412-mz.121-22.EA8.bin 3117390
16 : c2960-lanbase-mz.122-25.FX.bin 4414921
17 : c2960-lanbase-mz.122-25.SE1.bin 4670455
18 : c2960-lanbasek9-mz.150-2.SE4.bin 4670455
19 : c3560-advipservicesk9-mz.122-37.SE1.bin 8662192
20 : pt1000-i-mz.122-28.bin       5571584
21 : pt3000-i6q412-mz.121-22.EA4.bin 3117390
22 : testftp.txt                 4
ftp>

```

Para obtener el fichero lo hacemos mediante get:

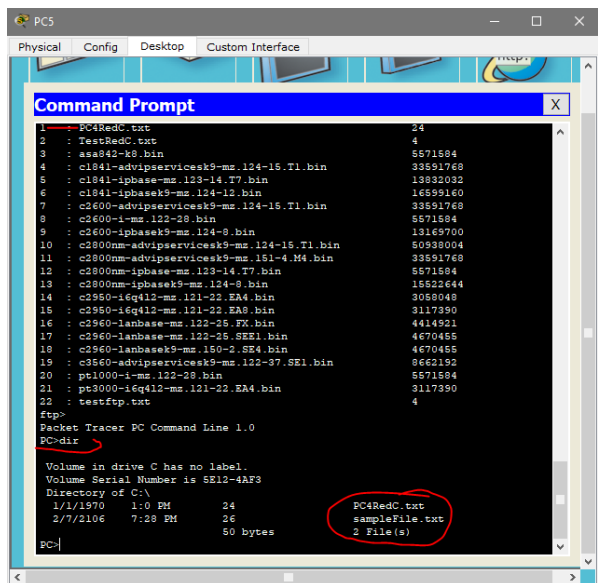


```
PC5
Physical Config Desktop Custom Interface

Command Prompt
PC>dir
Volume in drive C has no label.
Volume Serial Number is 5E12-4AF3
Directory of C:\
2/7/2106 7:28 PM 26 sampleFile.txt
26 bytes 1 File(s)

PC>ftp 172.45.0.2
Trying to connect...172.45.0.2
Connected to 172.45.0.2
220- Welcome to PT Ftp server
Username:tilla
331- Username ok, need password
Password:
230- Logged in
(passive mode On)
ftp>get PC4RedC.txt
Reading file PC4RedC.txt from 172.45.0.2:
File transfer in progress...
[Transfer complete - 24 bytes]
24 bytes copied in 0.011 secs (2181 bytes/sec)
ftp>dir
Listing /ftp directory from 172.45.0.2:
0 : 172.16.0.21 25
1 : PC4RedC.txt 24
2 : TestRedC.txt 4
3 : asa842-k8.bin 5571584
4 : c1841-advipservicesk9-ms.124-15.T1.bin 33591768
5 : c1841-ibase-ms.123-14.T7.bin 13832032
```

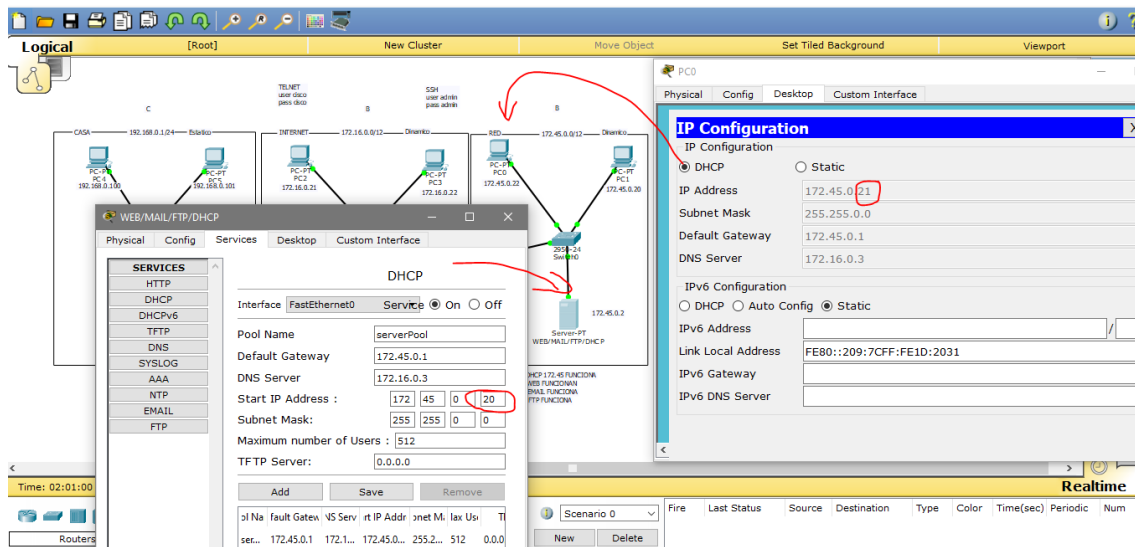
Comprobamos que efectivamente se ha descargado el fichero



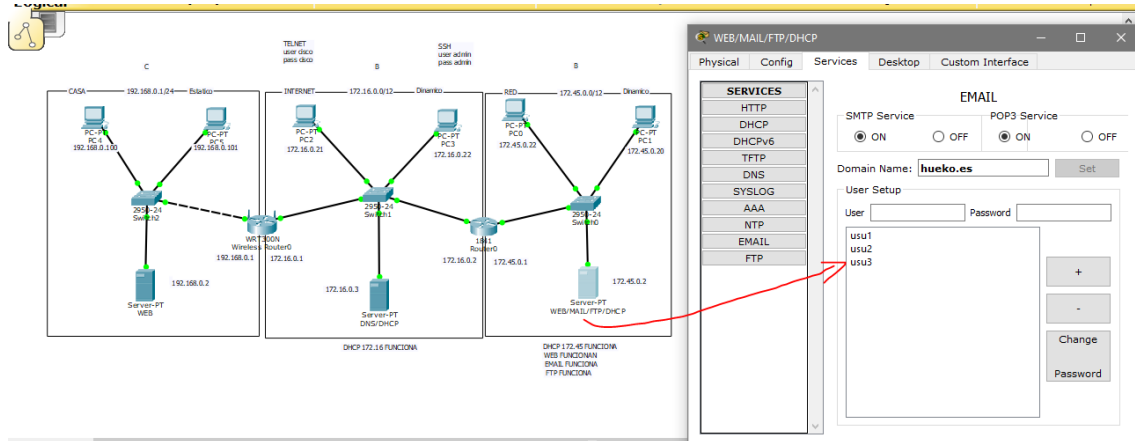
```
PC5
Physical Config Desktop Custom Interface

Command Prompt
1 : PC4RedC.txt 24
2 : TestRedC.txt 4
3 : asa842-k8.bin 5571584
4 : c1841-advipservicesk9-ms.124-15.T1.bin 33591768
5 : c1841-ibase-ms.123-14.T7.bin 13832032
6 : c1841-ibasek9-ms.124-12.bin 16599160
7 : c2600-advipservicesk9-ms.124-15.T1.bin 33591768
8 : c2600-i-ms.122-28.bin 5571584
9 : c2600-ibasek9-ms.124-9.bin 13169700
10 : c2800nm-advipservicesk9-ms.124-15.T1.bin 50938004
11 : c2800nm-advipservicesk9-ms.151-4.M4.bin 33591768
12 : c2800nm-ibase-ms.123-14.T7.bin 5571584
13 : c2800nm-ibasek9-ms.124-8.bin 15522644
14 : c2950-16q412-ms.121-22.EA4.bin 3058048
15 : c2950-16q412-ms.121-22.EA8.bin 3117390
16 : c2950-lanbase-ms.122-25.FX.bin 4414921
17 : c2950-lanbase-ms.122-25.SEE1.bin 4670455
18 : c2950-lanbasek9-ms.150-2.SEA4.bin 4670455
19 : c3560-advipservicesk9-ms.122-37.SE1.bin 8662192
20 : pt1000-i-ms.122-28.bin 5571584
21 : pt3000-16q412-ms.121-22.EA4.bin 3117390
22 : testftp.txt 4
ftp>
Packet Tracer PC Command Line 1.0
PC>dir
Volume in drive C has no label.
Volume Serial Number is 5E12-4AF3
Directory of C:\
1/1/1970 1:0 PM 24 PC4RedC.txt
2/7/2106 7:28 PM 26 sampleFile.txt
80 bytes 2 File(s)
PC>
```

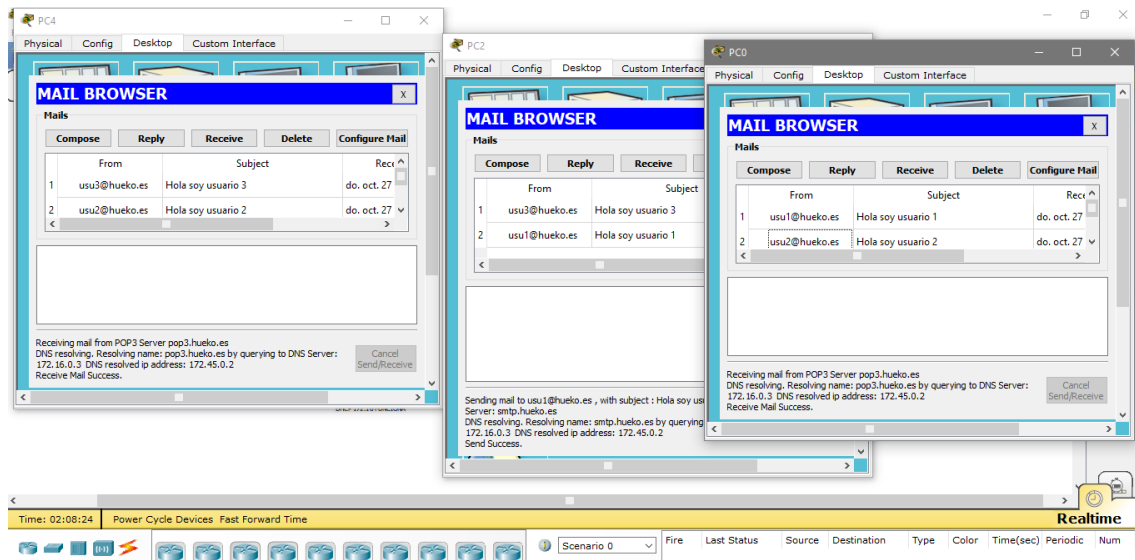
PRUEBA DHCP:



PRUEBA MAIL:



Enviamos y recibimos emails desde distintas redes a distintos usuarios:



PRUEBA DNS:

The network diagram shows two segments: 'CASA' (192.168.0.1/24) and 'INTERNET' (172.16.0.0/12). In 'CASA', there are PCs (192.168.0.100, 192.168.0.101), a switch (2951-24), and a server (192.168.0.2). In 'INTERNET', there are PCs (172.16.0.21, 172.16.0.22), a switch (2951-24), a router (172.16.0.1), and a server (172.16.0.3). A red arrow points from the 'Server-PT DNS/DHCP' in the Internet segment to the 'DNS/DHCP' configuration window.

The 'DNS/DHCP' configuration window is shown with the 'Services' tab selected. The 'DNS Service' is set to 'On'. The 'Resource Records' table is as follows:

Name	Type	Detail
0 ftp.hueko.es	A Record	172.45.0.2
1 pop3.hueko.es	A Record	172.45.0.2
2 smtp.hueko.es	A Record	172.45.0.2
3 www1.hueko.es	A Record	172.16.0.1
4 www2.hueko.es	A Record	172.45.0.2

The 'DNS Cache' section is also visible at the bottom.

PRUEBA DHCP 2:

The network diagram is the same as in the previous section. A red arrow points from the 'Server-PT DNS/DHCP' in the Internet segment to the 'DHCP' configuration window.

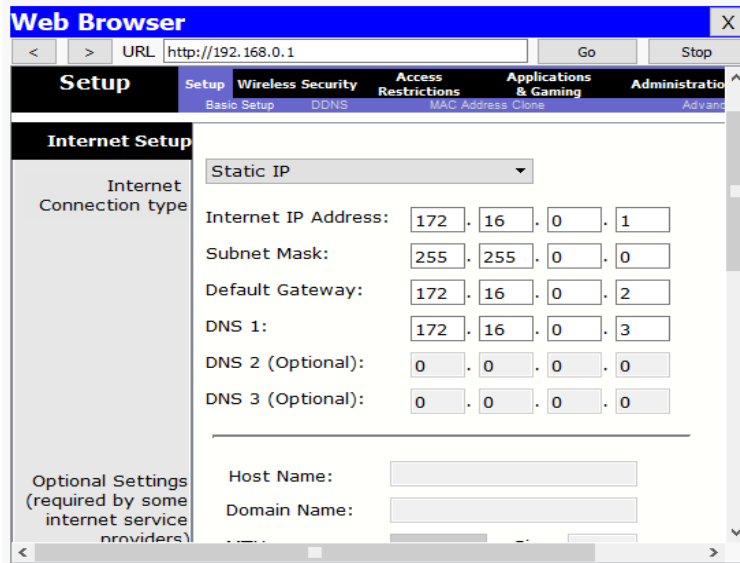
The 'DHCP' configuration window is shown with the 'Interface' set to 'FastEthernet0'. The 'Service' is set to 'On'. The 'Pool Name' is 'serverPool'. The 'Default Gateway' is '172.16.0.2'. The 'DNS Server' is '172.16.0.3'. The 'Start IP Address' is '172.16.0.20'. The 'Subnet Mask' is '255.255.0.0'. The 'Maximum number of Users' is '512'. The 'TFTP Server' is '0.0.0.0'.

The 'IP Configuration' window is also shown, with the 'IP Configuration' tab selected. The 'IP Address' is '172.16.0.20'. The 'Subnet Mask' is '255.255.0.0'. The 'Default Gateway' is '172.16.0.2'. The 'DNS Server' is '172.16.0.3'.

PRUEBA ACCESO AL ROUTER DESDE PC:

The network diagram is the same as in the previous sections. A red arrow points from the 'Server-PT WEB' in the Internet segment to the 'PC4' configuration window.

The 'PC4' configuration window is shown with the 'Physical' tab selected. The 'Web Browser' is set to 'http://192.168.0.1'. The 'Authorization' window is also shown, with the 'User Name' set to 'admin' and the 'Password' set to 'admin'.



PRUEBA SSH RED 172.45.0.0

