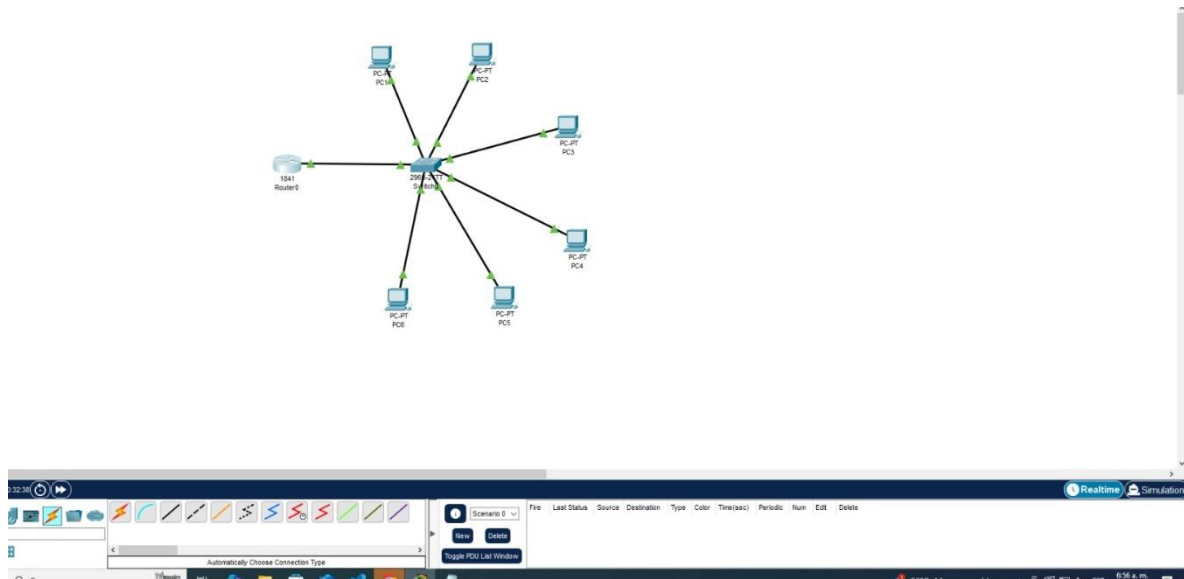
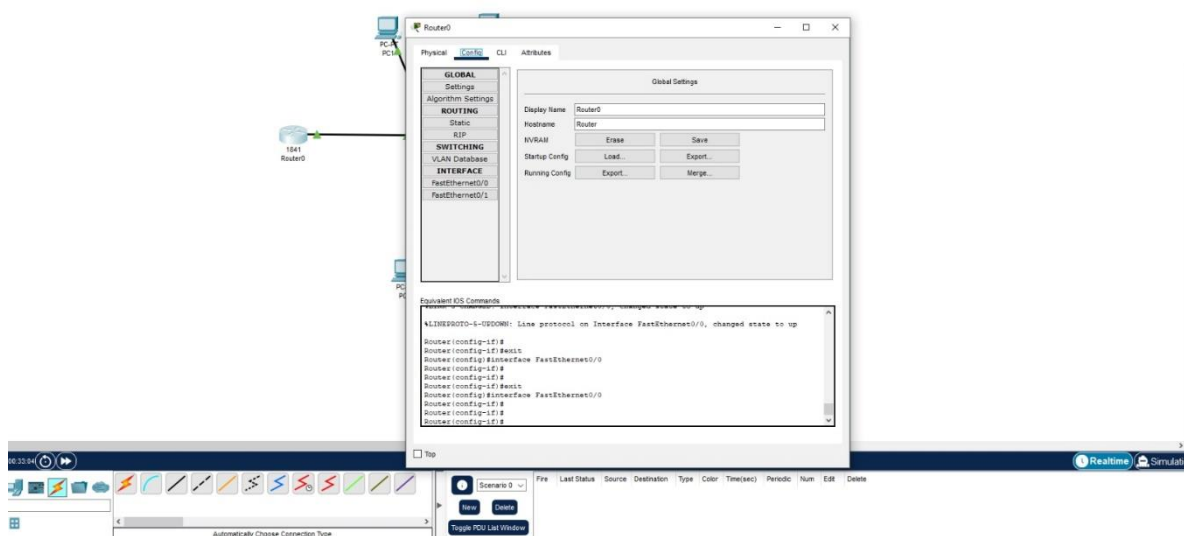


Packet tracer

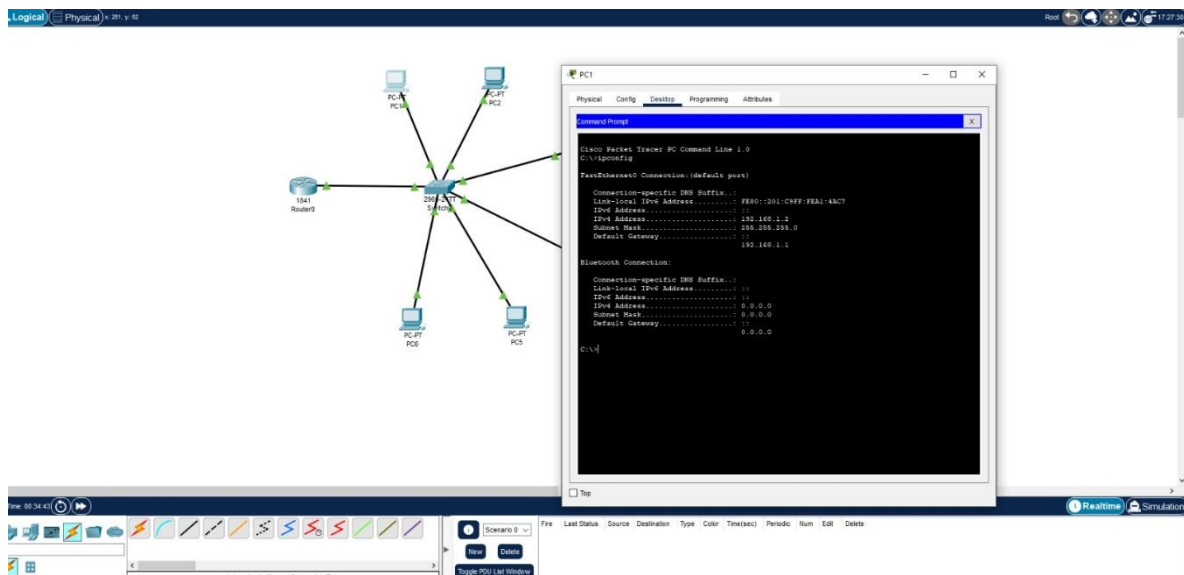
Configuracion



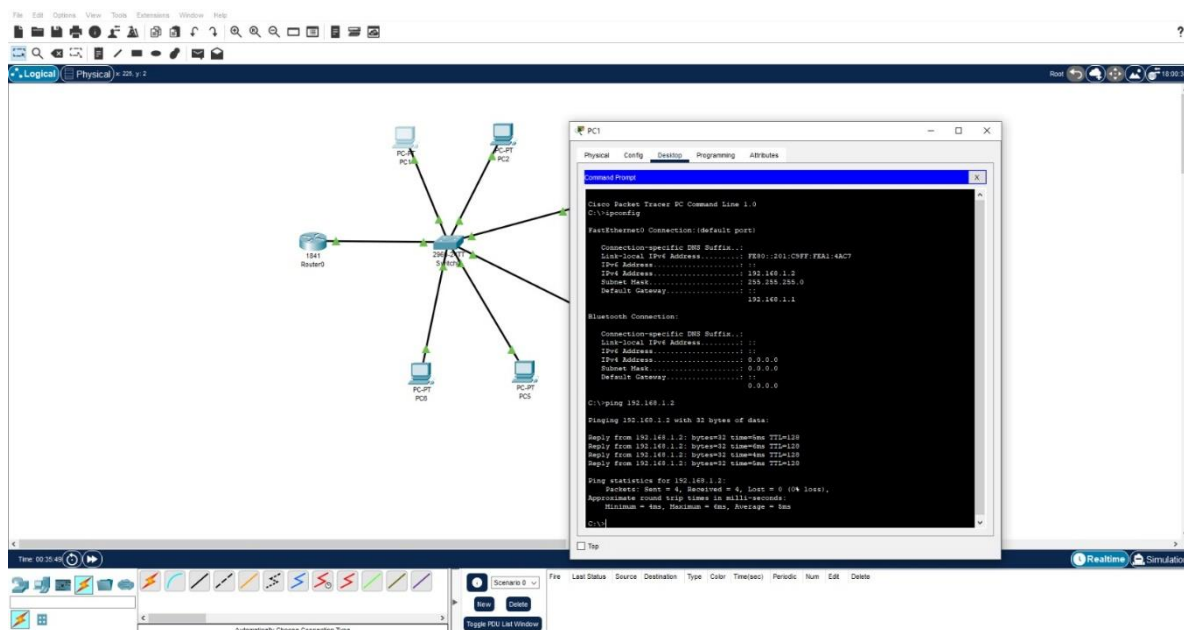
Configuracion de router



Ipconfig para ver las asignaciones



Ping para verificar que estan conectados con la direccion ip



Logical Physical 194 / 19

PC1

Physical Config Desktop Programming Attributes

Command Prompt

```

Bluetooth Connection:
Connection-specific DNS Suffix...:
Link-local IPv4 Address . . . . .:
IPv4 Address . . . . .: 0.0.0.0
IPv6 Address . . . . .: 0.0.0.0
Subnet Mask . . . . .: 0.0.0.0
Default Gateway . . . . .: 0.0.0.0

C:\ping 192.168.1.2

Pinging 192.168.1.2 with 32 bytes of data:
Reply from 192.168.1.2: bytes=32 time=1ms TTL=128
Reply from 192.168.1.2: bytes=32 time=1ms TTL=128
Reply from 192.168.1.2: bytes=32 time=1ms TTL=128
Reply from 192.168.1.2: bytes=32 time=1ms TTL=128

Ping statistics for 192.168.1.2:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 4ms, Maximum = 4ms, Average = 4ms

C:\ping 192.168.1.3

Pinging 192.168.1.3 with 32 bytes of data:
Reply from 192.168.1.3: bytes=32 time=1ms TTL=128
Reply from 192.168.1.3: bytes=32 time=1ms TTL=128
Reply from 192.168.1.3: bytes=32 time=1ms TTL=128
Reply from 192.168.1.3: bytes=32 time=1ms TTL=128

Ping statistics for 192.168.1.3:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 4ms, Maximum = 4ms, Average = 4ms

C:\

```

Time 00:37:26

Scenario 0

Run Stop

Toggle PCUI Lat Windows

Automatically Choose Connection Type

File Last Status Source Destination Type Color Time(s) Periods Run Edit Delete

Realtime Simulation

Logical Physical 194 / 19

PC1

Physical Config Desktop Programming Attributes

Command Prompt

```

IPv4 Address . . . . .: 0.0.0.0
IPv6 Address . . . . .: 0.0.0.0
Subnet Mask . . . . .: 0.0.0.0
Default Gateway . . . . .: 0.0.0.0

C:\ping 192.168.1.2

Pinging 192.168.1.2 with 32 bytes of data:
Reply from 192.168.1.2: bytes=32 time=1ms TTL=128
Reply from 192.168.1.2: bytes=32 time=1ms TTL=128
Reply from 192.168.1.2: bytes=32 time=1ms TTL=128
Reply from 192.168.1.2: bytes=32 time=1ms TTL=128

Ping statistics for 192.168.1.2:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 4ms, Maximum = 4ms, Average = 4ms

C:\ping 192.168.1.3

Pinging 192.168.1.3 with 32 bytes of data:
Reply from 192.168.1.3: bytes=32 time=1ms TTL=128
Reply from 192.168.1.3: bytes=32 time=1ms TTL=128
Reply from 192.168.1.3: bytes=32 time=1ms TTL=128
Reply from 192.168.1.3: bytes=32 time=1ms TTL=128

Ping statistics for 192.168.1.3:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 4ms, Maximum = 4ms, Average = 4ms

C:\ipconfig

Internet Address Physical Address Type
192.168.1.3 0040-0501-70a1 dynamic

C:\

```

Time 00:38:12

Scenario 0

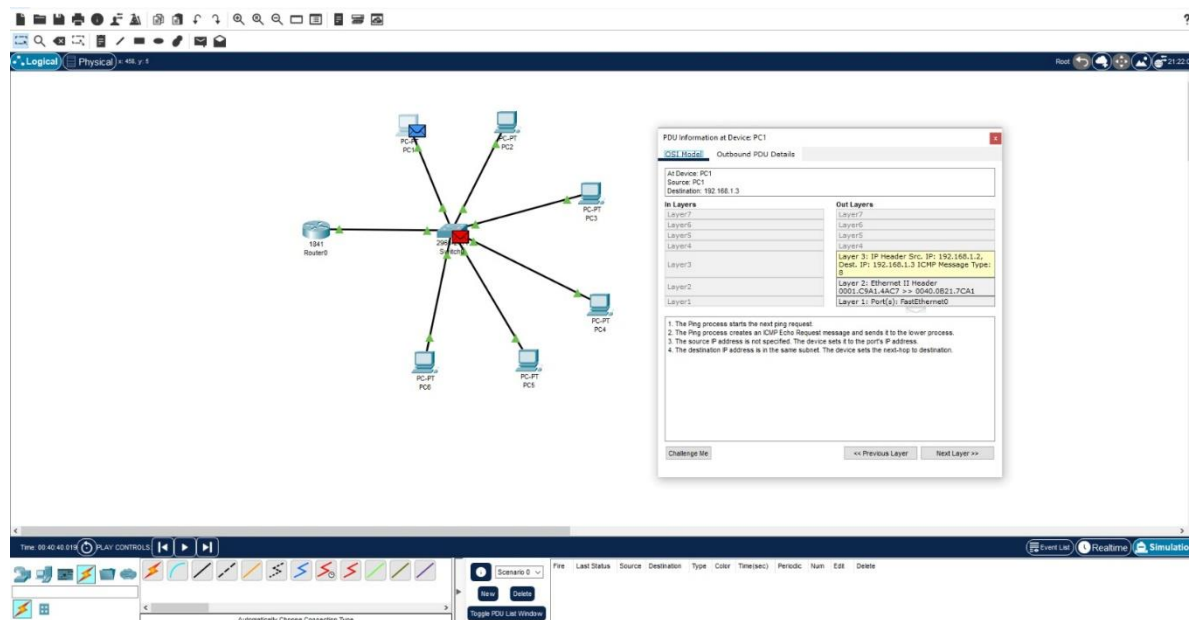
Run Stop

Toggle PCUI Lat Windows

Automatically Choose Connection Type

File Last Status Source Destination Type Color Time(s) Periods Run Edit Delete

Realtime Simulation

[illegible]

Usuario root

```
root@kali: ~  
# ufw allow http  
Rule added  
Rule added (v6)  
# ufw allow https  
Rule added  
Rule added (v6)  
# iptables -A INPUT -p tcp --dport 22 -j ACCEPT  
root@kali: ~
```

```
root@kali: ~  
# ufw default deny incoming  
Default incoming policy changed to 'deny'  
(be sure to update your rules accordingly)  
# ufw default allow  
Default incoming policy changed to 'allow'  
(be sure to update your rules accordingly)  
# ufw -p INPUT DROP  
ERROR: Invalid syntax  
Usage: ufw COMMAND  
  
Commands:  
enable          enables the firewall  
disable         disables the firewall  
default ARG     set default policy  
logging LEVEL   set logging to LEVEL  
allow ARGOS     add allow rule  
deny ARGOS      add deny rule  
reject ARGOS    add reject rule  
limit ARGOS     add limit rule  
delete RULE|NUM delete RULE  
insert NUM RULE insert RULE at NUM  
prepend RULE    prepend RULE  
route RULE      add route RULE  
route delete RULE|NUM delete route RULE  
route insert NUM RULE insert route RULE at NUM  
reload          reload firewall  
reset           reset firewall  
status          show firewall status  
status numbered show firewall status as numbered list of RULES  
status verbose  show verbose firewall status  
show ARG        show firewall report  
version         display version information  
  
Application profile commands:  
app list        list application profiles  
app info PROFILE show information on PROFILE  
app update PROFILE update PROFILE  
app default ARG set default application policy  
root@kali: ~
```

Bloqueando trafico de red, todo entrante debe ser bloqueado por defecto

```
kali-linux-2023.1c-vmtoolsd-amd64 [Contents] - Oracle VM VirtualBox
Archivos M3uana vier Entradas Desaparecidas Ayuda
[1] 2 3 4 [2]
root@kali: ~
File Actions Edit View Help
root@kali: ~
# ufw default deny incoming
ERROR: Invalid syntax

Usage: ufw COMMAND

Commands:
enable          enables the firewall
disable         disables the firewall
default ARG     set default policy
logging LEVEL   set logging to LEVEL
allow ARGs      add allow rule
deny ARGs       add deny rule
reject ARGs     add reject rule
limit ARGs      add limit rule
delete RULE/NUM delete rule
insert NUM RULE insert rule at NUM
prepend RULE     prepend rule
route RULE      add route rule
route delete RULE/NUM delete route rule
route insert NUM RULE insert route rule at NUM
reload          reload firewall
reset           reset firewall
status          show firewall status
status numbered show firewall status as numbered list of RULES
status verbose  show verbose firewall status
show ARG        show firewall report
version         display version information

Application profile commands:
app list        list application profiles
app info PROFILE show information on PROFILE
app update PROFILE update PROFILE
app default ARG set default application policy

root@kali: ~
# ufw default deny incoming
default incoming policy changed to 'deny'
(be sure to update your rules accordingly)

root@kali: ~
```

Activando de nuevo el trafico de red

```

File Actions Edit View Help
root@kali: ~
root@kali:~# apt install ufw -y
Error: Unsupported file /y given on commandline

root@kali:~# apt update
Hit: http://http.kali.org/kali kali-rolling InRelease
1073 packages can be upgraded. Run 'apt list --upgradable' to see them.

root@kali:~# apt install ufw -y
Error: The update command takes no arguments

root@kali:~# apt install ufw
Command 'ufw' not found, but can be installed with:
apt install ufw
Do you want to install it? (N/y)
apt install ufw
Installing:
ufw

Suggested packages:
syslog

Summary:
Upgrading: 0, Installing: 1, Removing: 0, Not upgrading: 1073
Download size: 169 kB
Space needed: 800 kB / 63.3 GB available

Get:1 http://mirror.math.princeton.edu/pub/kali kali-rolling/main amd64 ufw all 0.36.2-9 [169 kB]
Fetched 169 kB in 1s (167 kB/s)
Preconfiguring packages ...
Selecting previously unselected package ufw.
(Reading database ... 488445 files and directories currently installed.)
Preparing to unpack .../archives/ufw_0.36.2-9_all.deb ...
Unpacking ufw (0.36.2-9) ...
Setting up ufw (0.36.2-9) ...
Creating config file /etc/ufw/before.rules with new version
Creating config file /etc/ufw/before.rules with new version
Creating config file /etc/ufw/after.rules with new version
Creating config file /etc/ufw/after.rules with new version
update-rc.d: we have no instructions for the ufw init script.
update-rc.d: It looks like a non-network service, we enable it.
Created symlink /etc/systemd/system/multi-user.target.wants/ufw.service' + '/usr/lib/systemd/system/ufw.service'.
Processing triggers for kali-menu (2025.1.1) ...
Processing triggers for man-db (2.13.0-1) ...

root@kali:~# apt install ufw
ufw enable
Firewall is active and enabled on system startup

root@kali:~#

```

Actualizando apt

```
root@kali:~# apt update
Get:1 http://kali.download/kali kali-rolling InRelease [41.5 kB]
Get:2 http://kali.download/kali kali-rolling/main amd64 Packages [21.0 MB]
Get:3 http://kali.download/kali kali-rolling/main amd64 Contents (deb) [51.0 MB]
Get:4 http://kali.download/kali kali-rolling/contrib amd64 Packages [121 kB]
Get:5 http://kali.download/kali kali-rolling/contrib amd64 Contents (deb) [320 kB]
Get:6 http://kali.download/kali kali-rolling/non-free amd64 Packages [284 kB]
Get:7 http://kali.download/kali kali-rolling/non-free amd64 Contents (deb) [314 kB]
Get:8 http://kali.download/kali kali-rolling/non-free-firmware amd64 Packages [10.6 kB]
Get:9 http://kali.download/kali kali-rolling/non-free-firmware amd64 Contents (deb) [24.3 kB]
Fetched 16.2 MB in 35s (440B/s)
1073 packages can be upgraded. Run 'apt list --upgradable' to see them.

root@kali:~# apt install ufw --y
Error: Unsupported file /y given on commandLine

root@kali:~# apt update
Hit:1 http://kali.org/kali kali-rolling InRelease
1073 packages can be upgraded. Run 'apt list --upgradable' to see them.

root@kali:~# apt update ufw --y
Error: The update command takes no arguments

root@kali:~#
```

```
root@kali:~# netstat -tln
Active Internet connections (w/o servers)
Proto Recv-Q Send-Q Local Address           Foreign Address         State
tcp        0      0 10.0.2.15:55364         93.243.107.34:bc-https  ESTABLISHED
tcp        0      0 10.0.2.15:44888s       203.157.36.34:bc-https  TIME_WAIT
udp        0      0 10.0.2.15:bootpc       10.0.2.2:bootps        ESTABLISHED

root@kali:~# netstat -tlnp
Active UNIX domain sockets (w/o servers)
Proto RefCnt Flags       Type       State         I-Node   Path
unix 3      [ ]         STREAM     CONNECTED   13602
unix 3      [ ]         STREAM     CONNECTED   9540
unix 3      [ ]         STREAM     CONNECTED   53412
unix 3      [ ]         STREAM     CONNECTED   8187      /run/systemd/journal/stdout
unix 3      [ ]         STREAM     CONNECTED   6164
unix 3      [ ]         STREAM     CONNECTED   10304
unix 3      [ ]         STREAM     CONNECTED   11516
unix 3      [ ]         STREAM     CONNECTED   10711
unix 2      [ ]         DGRAM      6712
unix 3      [ ]         DGRAM      9514
unix 3      [ ]         STREAM     CONNECTED   28780
unix 3      [ ]         STREAM     CONNECTED   6430
unix 3      [ ]         STREAM     CONNECTED   51332
unix 3      [ ]         STREAM     CONNECTED   10774
unix 3      [ ]         STREAM     CONNECTED   10722
unix 3      [ ]         STREAM     CONNECTED   11642
unix 3      [ ]         STREAM     CONNECTED   10359
unix 3      [ ]         STREAM     CONNECTED   8785
unix 3      [ ]         SEQPACKET  13599
unix 2      [ ]         STREAM     CONNECTED   12453
unix 3      [ ]         STREAM     CONNECTED   9556
unix 3      [ ]         STREAM     CONNECTED   53378
unix 3      [ ]         STREAM     CONNECTED   13506
unix 3      [ ]         STREAM     CONNECTED   8095
unix 3      [ ]         STREAM     CONNECTED   11521
unix 3      [ ]         STREAM     CONNECTED   10750
unix 3      [ ]         STREAM     CONNECTED   10429
unix 3      [ ]         STREAM     CONNECTED   8055
unix 2      [ ]         DGRAM      6309
unix 3      [ ]         STREAM     CONNECTED   52967
unix 3      [ ]         STREAM     CONNECTED   28718
unix 3      [ ]         STREAM     CONNECTED   9559
unix 3      [ ]         STREAM     CONNECTED   6400
unix 3      [ ]         STREAM     CONNECTED   5767
unix 3      [ ]         STREAM     CONNECTED   10726
unix 3      [ ]         STREAM     CONNECTED   11524
unix 3      [ ]         STREAM     CONNECTED   10373
unix 3      [ ]         STREAM     CONNECTED   8085
unix 3      [ ]         STREAM     CONNECTED   12455
unix 3      [ ]         STREAM     CONNECTED   9183
unix 3      [ ]         STREAM     CONNECTED   6361
unix 3      [ ]         STREAM     CONNECTED   53383
unix 3      [ ]         STREAM     CONNECTED   10740
unix 3      [ ]         STREAM     CONNECTED   10747
```