

ACT2 – GNS3

Para conectarme al Forti desde mi portátil:

```
diagnose ip address list
```

```
config system interface
```

```
edit port2
```

```
set allowaccess ping https http
```

```
next
```

```
end
```

```
config system global
```

```
set admin-port 8080
```

```
end
```

[http://\[IP DHCP\]:8080](http://[IP DHCP]:8080)

GateWays: 192.168.{VLAN}.1

KaliLinux-8 (VLAN12) - 192.168.12.X

KaliLinux-7 (VLAN13) - 192.168.13.X

KaliLinux-6 (VLAN15) - 192.168.15.X

KaliLinux-5 (VLAN14) - 192.168.14.X

KaliLinux-4 (VLAN18) - 192.168.18.X

KaliLinux-3 (VLAN17) - 192.168.17.X

KaliLinux-2 (VLAN11) - 192.168.11.X

KaliLinux-1 (VLAN10) – 192.168.10.X

SW Abajo:

```
enable
conf t
interface gi0/0
description TRUNK_to_R1
switchport mode trunk
switchport trunk allowed vlan 10,11
no shutdown
```

```
interface gi0/1
description KALI_VLAN10
switchport mode access
switchport access vlan 10
no shutdown
```

```
interface gi0/2
description KALI_VLAN11
switchport mode access
switchport access vlan 11
```

```
no shutdown
```

```
end
```

```
wr
```

SW Izquierda:

```
enable
```

```
conf t
```

```
interface gi0/0
```

```
description TRUNK_to_R2
```

```
switchport mode trunk
```

```
switchport trunk allowed vlan 17,18
```

```
no shutdown
```

```
interface gi0/1
```

```
description KALI_VLAN17
```

```
switchport mode access
```

```
switchport access vlan 17
```

```
no shutdown
```

```
interface gi0/2
```

```
description KALI_VLAN18
```

```
switchport mode access
```

```
switchport access vlan 18
```

```
no shutdown
```

```
end
```

```
wr
```

SW Arriba:

```
enable
```

```
conf t
```

```
interface gi0/0
```

```
description TRUNK_to_R3
```

```
switchport mode trunk
```

```
switchport trunk allowed vlan 14,15
```

```
no shutdown
```

```
interface gi0/1  
description KALI_VLAN14  
switchport mode access  
switchport access vlan 14  
no shutdown
```

```
interface gi0/2  
description KALI_VLAN15  
switchport mode access  
switchport access vlan 15  
no shutdown
```

```
end  
wr
```

SW Derecha:

```
enable  
conf t  
interface gi0/0  
description TRUNK_to_R4  
switchport mode trunk  
switchport trunk allowed vlan 12,13  
no shutdown
```

```
interface gi0/1  
description KALI_VLAN13  
switchport mode access  
switchport access vlan 13  
no shutdown
```

```
interface gi0/2  
description KALI_VLAN12  
switchport mode access  
switchport access vlan 12  
no shutdown
```

```
end  
wr
```

Router Abajo:

```
enable
conf t
hostname R1-BLOQUE1
no ip domain-lookup

interface g0/0
description TRUNK_to_SW-BLOQUE1
no ip address
no shutdown

interface g0/0.10
encapsulation dot1Q 10
ip address 192.168.10.1 255.255.255.0

interface g0/0.11
encapsulation dot1Q 11
ip address 192.168.11.1 255.255.255.0

interface g0/1
description TO_FORTIGATE_port1
ip address 10.0.1.2 255.255.255.252
no shutdown

ip route 0.0.0.0 0.0.0.0 10.0.1.1

end
wr
```

Rouer Izqueirda:

```
enable
conf t
hostname R2-BLOQUE2
no ip domain-lookup

interface g0/1
description TRUNK_to_SW-BLOQUE2
no ip address
no shutdown

interface g0/1.17
encapsulation dot1Q 17
ip address 192.168.17.1 255.255.255.0
```

```
interface g0/1.18
encapsulation dot1Q 18
ip address 192.168.18.1 255.255.255.0
```

```
interface g0/0
description TO_FORTIGATE_port5
ip address 10.0.2.2 255.255.255.252
no shutdown
```

```
ip route 0.0.0.0 0.0.0.0 10.0.2.1
```

```
end
wr
```

Router Arriba:

```
enable
conf t
hostname R3-BLOQUE3
no ip domain-lookup
```

```
interface g0/1
description TRUNK_to_SW-BLOQUE3
no ip address
no shutdown
```

```
interface g0/1.14
encapsulation dot1Q 14
ip address 192.168.14.1 255.255.255.0
```

```
interface g0/1.15
encapsulation dot1Q 15
ip address 192.168.15.1 255.255.255.0
```

```
interface g0/0
description TO_FORTIGATE_port4
ip address 10.0.3.2 255.255.255.252
no shutdown
```

```
ip route 0.0.0.0 0.0.0.0 10.0.3.1
```

```
end
```

wr

Router Derecha:

enable

conf t

interface g0/0

no ip address

no shutdown

interface g0/0.12

encapsulation dot1Q 12

ip address 192.168.12.1 255.255.255.0

interface g0/0.13

encapsulation dot1Q 13

ip address 192.168.13.1 255.255.255.0

interface g0/2

ip address 10.0.4.2 255.255.255.252

no shutdown

ip route 0.0.0.0 0.0.0.0 10.0.4.1

end

wr

FIREWALL: USer: admin – Password: Admin1234

```
config system interface
edit "port2"
    set alias "WAN_to_NAT1"
    set mode dhcp
    set allowaccess ping
next

edit "port1"

    set alias "LAN_BLOQUE1"
    set ip 10.0.1.1/30
    set allowaccess ping https ssh
next

edit "port5"
    set alias "LAN_BLOQUE2"
    set ip 10.0.2.1/30
    set allowaccess ping
next

edit "port4"
    set alias "LAN_BLOQUE3"
    set ip 10.0.3.1/30
    set allowaccess ping
next

edit "port3"
    set alias "LAN_BLOQUE4"
    set ip 10.0.4.1/30
    set allowaccess ping
next
end
```



```
config router static
edit 10
    set dst 192.168.10.0/24
    set gateway 10.0.1.2
    set device "port1"
next
edit 11
    set dst 192.168.11.0/24
    set gateway 10.0.1.2
    set device "port1"
next

edit 20
    set dst 192.168.17.0/24
    set gateway 10.0.2.2
    set device "port5"
next
edit 21
    set dst 192.168.18.0/24
    set gateway 10.0.2.2
    set device "port5"
next

edit 30
    set dst 192.168.14.0/24
    set gateway 10.0.3.2
    set device "port4"
next
edit 31
    set dst 192.168.15.0/24
    set gateway 10.0.3.2
    set device "port4"
next

edit 40
    set dst 192.168.12.0/24
    set gateway 10.0.4.2
    set device "port3"
next
edit 41
    set dst 192.168.13.0/24
    set gateway 10.0.4.2
    set device "port3"
next
end
```

config firewall policy

edit 1

```
set name "DENY_BLOQUE1_to_OTHER_LANS"  
set srcintf "port1"  
set dstintf "port3" "port4" "port5"  
set srcaddr "all"  
set dstaddr "all"  
set action deny  
set schedule "always"  
set service "ALL"  
set logtraffic all
```

next

edit 2

```
set name "DENY_BLOQUE2_to_OTHER_LANS"  
set srcintf "port5"  
set dstintf "port1" "port3" "port4"  
set srcaddr "all"  
set dstaddr "all"  
set action deny  
set schedule "always"  
set service "ALL"  
set logtraffic all
```

next

edit 3

```
set name "DENY_BLOQUE3_to_OTHER_LANS"  
set srcintf "port4"  
set dstintf "port1" "port3" "port5"  
set srcaddr "all"  
set dstaddr "all"  
set action deny  
set schedule "always"  
set service "ALL"  
set logtraffic all
```

next

edit 4

```
set name "DENY_BLOQUE4_to_OTHER_LANS"  
set srcintf "port3"  
set dstintf "port1" "port4" "port5"  
set srcaddr "all"  
set dstaddr "all"  
set action deny  
set schedule "always"  
set service "ALL"  
set logtraffic all
```

next

end

config firewall policy

edit 10

```
set name "BLOQUE1_to_WAN"
set srcintf "port1"
set dstintf "port2"
set srcaddr "all"
set dstaddr "all"
set action accept
set schedule "always"
set service "PING" "DNS" "HTTP" "HTTPS"
set nat enable
set logtraffic all
```

next

edit 11

```
set name "BLOQUE2_to_WAN"
set srcintf "port5"
set dstintf "port2"
set srcaddr "all"
set dstaddr "all"
set action accept
set schedule "always"
set service "PING" "DNS" "HTTP" "HTTPS"
set nat enable
set logtraffic all
```

next

edit 12

```
set name "BLOQUE3_to_WAN"
set srcintf "port4"
set dstintf "port2"
set srcaddr "all"
set dstaddr "all"
set action accept
set schedule "always"
set service "PING" "DNS" "HTTP" "HTTPS"
set nat enable
set logtraffic all
```

next

edit 13

```
set name "BLOQUE4_to_WAN"
set srcintf "port3"
set dstintf "port2"
set srcaddr "all"
```

```
    set dstaddr "all"
    set action accept
    set schedule "always"
    set service "PING" "DNS" "HTTP" "HTTPS"
    set nat enable
    set logtraffic all
  next
end
```