

ACT2 – GNS3

Para coenctarme al forti desde mi protatil:

```
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
```

Router Izquierda:

```
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
```