CODIGOS RELEVANTES

sábado, 17 de mayo de 2025   21:10

REDES PRIVADAS Y PUBLICAS

IP privada:
A 10.0.0.0   10.255.255.255
B 172.16.0.0   172.31.255.255
C 192.168.0.0   192.168.255.255

Ip Publica:
A 0.0.0.0   126.255.255.255
B 128.0.0.0   191.255.255.255
C 192.0.0.0   223.255.255.255
D 224.0.0.0   239.255.255.255
E 240.0.0.0   254.255.255.255

VLSM

16 = 16 mas = 255.255.0.0
15 = 17 mas = 255.255.128.0
14 = 18 mas = 255.255.192.0
13 = 19 mas = 255.255.224.0
12 = 20 mas = 255.255.240.0
11 = 21 mas = 255.255.248.0
10 = 22 mas = 255.255.252.0
9 = 23 masc = 255.255.254.0
8 = 24 masc = 255.255.255.0
7 = 25 masc = 255.255.255.128
6 = 26 masc = 255.255.255.192
5 = 27 masc = 255.255.255.224
4 = 28 masc = 255.255.255.240
3 = 29 masc = 255.255.255.248
2 = 30 masc = 255.255.255.252

- GENERAL

➢ Consola
line console 0
pass <password>
login

➢ Usuario enable
   enable pass <password>

➢ PONER NOMBRE
   Host <name>

➢ PONER BANNER
   banner motd @<text>@

/***/
/***/
/***/

- ROUTER

   * GETAWAY
   int g0/_
   des conexion red#
   ip add [ip getaway] [ip mascara]
   no sh

   * VLANS
   int g0/_.NumDeRed
   des conexion vlan#
   encap dot1q [num vlan]
   ip add [ip getaway] [ip mascara] (cada vlan)

   int g0/_(de conexión con switch)
   no sh

   * SERIAL -> Interfaz
   int s_ /_ /_
   des conexion router#
   ip add [ip 1,2host] [ip mascara]
   no sh

   * DHCP (Si hay vlan en la subif)
   ip dhcp pool <nombre>
   net [ip red] [ip mascara]
   default-router [ip getaway]
   dns-server [ip server dns]

ip dhcp excluded-address [ip host inicial][ip host final]

* DHCP SERVER
Ip helper-address [Ip del servidor dhcp] (si hay vlan en la subif)

* ENRUTAMIENTO ESTATICO / PREDETERMINADO
ip route [ip red desconocida] [ip mascara] [ip siguiente salto]

ip route 0.0.0.0 0.0.0.0 [sig salto] (predeterminado)
default-information originate (en los router que tienen el predeterminado)

* ENRUTAMIENTO RIP
router rip
Ver 2
Net [ip nombre de red que conoce]
no auto-summary -> al final

/**/
/**/
/**/

- SWITCH

  * VTP (2 switch o mas)
  vtp mode server/client
  vtp domain cisco#.com
  vtp pass 123

  * ETHERNET (2 cables)
  Int range f0/_-_
  channel-group num mode desirable(server) /auto (client)

  * TRONCAL

Int g0/_	Int f0/_	Int port-channel num

  sw mo tr
  des troncal ____

  * VLAN (SERVER)

Vlan num
Name redNum

* Los que estan conectados a una compu
Int f0/_ -> a la computadora
des conexion red#vlan#
Sw mo acc
Sw acc vlan num

- REVISION
Show run
Show vlan
Show ip route
show ip int br

*NOTA: Todo tiene que tener nombre, y descripcion

*NOMBRES :
- ROUTERS: R1,R2….
- SWITCH SERVER: SER1,SER2…
- SWITCH CLIENTE: CL1.1,CL1.2,CL2.1 …..
- SWITCH SUELTO: SW1, SW2…