



Tecnológico de Estudios Superiores de Ecatepec

**División de Ingeniería en Sistemas
Computacionales**

Academia en Ciencias de la Ingeniería

Materia

Administración de Redes

Grupo 5751

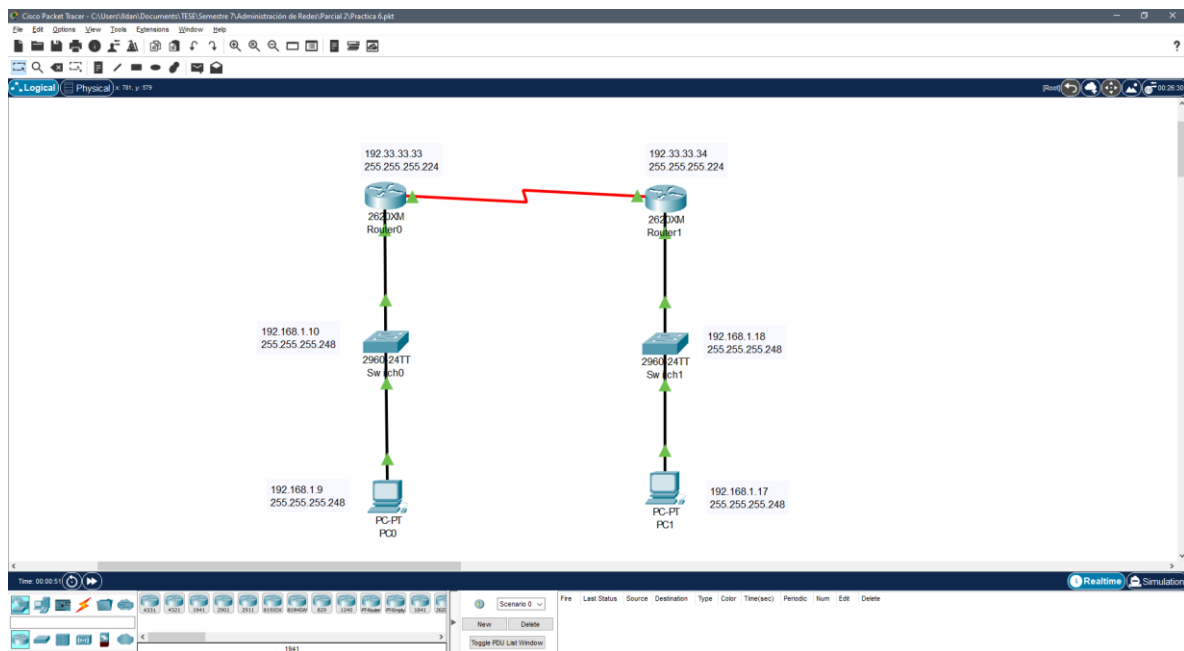
Alumno

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Profesor

Gutiérrez Villegas Javier Norberto

Practica EIGRP



Cálculo de máscara WildCard 1

Supongamos que queremos permitir el acceso a todos los usuarios en la red 192.168.3.0. Teniendo que su máscara es 255.255.255.0, utilizamos 255.255.255.255 y restamos la máscara 255.255.255.0. Obtenemos la máscara WildCard de 0.0.0.255.

Cálculo de máscara WildCard 2

Supongamos que queremos dar acceso a la red a 14 usuarios en la subred 192.168.3.32. Teniendo que su máscara es 255.255.255.240, utilizamos 255.255.255.255 y restamos la máscara 255.255.255.240. Obtenemos la máscara WildCard de 0.0.0.15.

Primer WildCard:

192.33.33.34: 255.255.255.255 - 255.255.255.224 = WildCard 0.0.0.31

192.168.1.18: 255.255.255.255 - 255.255.255.248 = WildCard 0.0.0.7

Router0

Physical

Config

CLI

Attributes

IOS Command Line Interface

```
!  
!  
!  
!  
!  
interface FastEthernet0/0  
  ip address 192.168.1.10 255.255.255.248  
  duplex auto  
  speed auto  
!  
interface Serial0/0  
  ip address 192.33.33.33 255.255.255.224  
  clock rate 64000  
!  
interface Serial0/1  
  no ip address  
  clock rate 2000000  
  shutdown  
!  
router eigrp 1  
  network 192.168.1.0  
  network 192.168.33.0  
  no auto-summary  
!  
ip classless  
!  
ip flow-export version 9  
!  
!  
!  
!  
!  
!  
!  
!
```

Ctrl+F6 to exit CLI focus

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Router0

Physical

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CLI

Attributes

IOS Command Line Interface

```
shutdown
!
router eigrp 1
 network 192.168.1.0
 network 192.168.33.0
 no auto-summary
!
ip classless
!
ip flow-export version 9
!
!
!
!
!
!
!
!
line con 0
 password cisco
 login
!
line aux 0
!
line vty 0 4
 password cisco
 login
!
!
!
end

Router#
Router#
```

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Router1

Physical

Config

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Attributes

IOS Command Line Interface

```
!  
!  
!  
!  
!  
!  
!  
interface FastEthernet0/0  
  ip address 192.168.1.18 255.255.255.248  
  duplex auto  
  speed auto  
!  
interface Serial0/0  
  no ip address  
  clock rate 2000000  
!  
interface Serial0/1  
  ip address 192.33.33.34 255.255.255.224  
!  
router eigrp 1  
  network 192.168.1.0  
  network 192.33.33.0  
  no auto-summary  
!  
ip classless  
!  
ip flow-export version 9  
!  
!  
!  
!  
!  
!  
!  
!
```

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Router1

Physical

Config

CLI

Attributes

IOS Command Line Interface

```
ip address 192.33.33.34 255.255.255.224
!
router eigrp 1
 network 192.168.1.0
 network 192.33.33.0
 no auto-summary
!
ip classless
!
ip flow-export version 9
!
!
!
!
!
!
!
!
line con 0
 password cisco
 login
!
line aux 0
!
line vty 0 4
 password cisco
 login
!
!
!
end

Router#
Router#
```

Ctrl+F6 to exit CLI focus

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