

Evaluación de Competencias

Direcciones IP y VLANs

| ACC – Departamento de Contabilidad con capacidad para 100 usuarios simultáneos | | | | | | | | | |
|---|------------|---|-----|---|-----------------|---|-----|--|--|
| Se elige Subnet clase C, por la cantidad tan pequeña de direcciones IP que se requieren | | | | | | | | | |
| VLAN ID | IP address | | | | Bits | | | | |
| 29 | 10 | . | 0 | . | 0 | . | 0 | | |
| | 255 | . | 255 | . | 255 | . | 128 | | |
| | | | | | 1 | | | | |
| | | | | | 2 = 2 | | | | |
| | | | | | 7 | | | | |
| | | | | | 2 - 2 = 126 | | | | |
| | | | | | 256 - 128 = 128 | | | | |
| | 0 | . | 0 | . | 0 | . | 127 | | |
| | 10 | . | 0 | . | 0 | . | 0 | | |
| | 10 | . | 0 | . | 0 | . | 1 | | |
| | 10 | . | 0 | . | 0 | . | 126 | | |
| | 10 | . | 0 | . | 0 | . | 127 | | |

| TABLE 2.6 Reserved IP address space | |
|-------------------------------------|-------------------------------------|
| Address Class | Reserved Address Space |
| Class A | 10.0.0.0 through 10.255.255.255 |
| Class B | 172.16.0.0 through 172.31.255.255 |
| Class C | 192.168.0.0 through 192.168.255.255 |

| | |
|---|--|
| Network address | |
| Subnet | |
| Subnets | |
| Valid Hosts =Hosts- Broadcast address-Network address | |
| Valid subnets | |
| Wildcard | |
| Subnet | |
| First usable address | |
| Last usable address | |
| Broadcast address for this subnet | |

| TABLE 2.5 Reserved IP address space | |
|-------------------------------------|-------------------------------------|
| Address Class | Reserved Address Space |
| Class A | 10.0.0.0 through 10.255.255.255 |
| Class B | 172.16.0.0 through 172.31.255.255 |
| Class C | 192.168.0.0 through 192.168.255.255 |

| RH – Departamento de Recursos Humanos con capacidad para 15 usuarios simultáneos | | | | | | | | | |
|---|------------|---|-----|---|----------------|---|-----|-----------------------------------|--|
| Se elige Subnet clase C, por la cantidad tan pequeña de direcciones IP que se requieren | | | | | | | | | |
| VLAN ID | IP address | | | | Bits | | | | |
| 28 | 10 | . | 0 | . | 0 | . | 160 | Network address | |
| | 255 | . | 255 | . | 255 | . | 224 | Subnet | |
| | | | | | 3 | Subnets | | | |
| | | | | | 2 = 8 | | | | |
| | | | | | 5 | Valid Hosts =Hosts- Broadcast address-Network address | | | |
| | | | | | 2 - 2 = 30 | | | | |
| | | | | | 256 - 224 = 32 | Valid subnets: 0,32,64,96,128,160,192 ,&224 | | | |
| | 0 | . | 0 | . | 0 | . | 31 | Wildcard | |
| | 10 | . | 0 | . | 0 | . | 160 | Subnet | |
| | 10 | . | 0 | . | 0 | . | 161 | First usable address | |
| | 10 | . | 0 | . | 0 | . | 190 | Last usable address | |
| | 10 | . | 0 | . | 0 | . | 191 | Broadcast address for this subnet | |

| TABLE 2.6 Reserved IP address space | | |
|-------------------------------------|-------------------------------------|--|
| Address Class | Reserved Address Space | |
| Class A | 10.0.0.0 through 10.255.255.255 | |
| Class B | 172.16.0.0 through 172.31.255.255 | |
| Class C | 192.168.0.0 through 192.168.255.255 | |

| TABLE 2.5 Reserved IP address space | |
|-------------------------------------|-------------------------------------|
| Address Class | Reserved Address Space |
| Class A | 10.0.0.0 through 10.255.255.255 |
| Class B | 172.16.0.0 through 172.31.255.255 |
| Class C | 192.168.0.0 through 192.168.255.255 |

| TI – Departamento de Tecnologías de Información con capacidad para 5 usuarios simultáneos | | | | | | | | | |
|---|------------|---|-----|-----|-----|-------|---|---|---|
| Se elige Subnet clase C, por la cantidad tan pequeña de direcciones IP que se requieren | | | | | | | | | |
| VLAN ID | IP address | | | | | Bits | | | |
| 27 | 10 | . | 0 | . | 0 | . | 192 | Network address | |
| | 255 | . | 255 | . | 255 | . | 248 | Subnet | |
| | | | | | 5 | (/29) | | Subnets | |
| | | | | 2 | = | 32 | Class A 10.0.0.0 through 10.255.255.255 | | |
| | | | | 3 | | | | Class B 172.16.0.0 through 172.31.255.255 | |
| | | | | 2 | - | 2 | = | 6 | Class C 192.168.0.0 through 192.168.255.255 |
| | | | | 256 | - | 248 | = | 8 | Valid subnets: 0,8,16,24,32,40,48,56,64,72,80,88,96,104,112,120,128,136,144,152,160,168,176,184,192,200,208,216,232,240,248 |
| | 0 | . | 0 | . | 0 | . | 7 | Wildcard | |
| | 10 | . | 0 | . | 0 | . | 192 | Subnet | |
| | 10 | . | 0 | . | 0 | . | 193 | First usable address | |
| | 10 | . | 0 | . | 0 | . | 198 | Last usable address | |
| | 10 | . | 0 | . | 0 | . | 199 | Broadcast address for this subnet | |

| TABLE 2.5 Reserved IP address space | |
|-------------------------------------|-------------------------------------|
| Address Class | Reserved Address Space |
| Class A | 10.0.0.0 through 10.255.255.255 |
| Class B | 172.16.0.0 through 172.31.255.255 |
| Class C | 192.168.0.0 through 192.168.255.255 |

| ■ GUEST – Visitantes que no pertenecen a XYZ Inc. con capacidad para 30 usuarios simultáneos | | | | | | | | | |
|--|------------|---|-----|---|----------------|---|-----|-----------------------------------|--|
| Se elige Subnet clase C, por la cantidad tan pequeña de direcciones IP que se requieren | | | | | | | | | |
| VLAN ID | IP address | | | | Bits | | | | |
| 26 | 10 | . | 0 | . | 0 | . | 128 | Network address | |
| | 255 | . | 255 | . | 255 | . | 224 | Subnet (/27) | |
| | | | | | 3 | Subnets | | | |
| | | | | | 2 = 8 | | | | |
| | | | | | 5 | Valid Hosts =Hosts- Broadcast address-Network address | | | |
| | | | | | 2 - 2 = 30 | | | | |
| | | | | | 256 - 224 = 32 | Valid subnets: 0,32,64,96,128,160,192 ,&224 | | | |
| | 0 | . | 0 | . | 0 | . | 31 | Wildcard | |
| | 10 | . | 0 | . | 0 | . | 128 | Subnet | |
| | 10 | . | 0 | . | 0 | . | 129 | First usable address | |
| | 10 | . | 0 | . | 0 | . | 158 | Last usable address | |
| | 10 | . | 0 | . | 0 | . | 159 | Broadcast address for this subnet | |

| TABLE 2.5 Reserved IP address space | |
|-------------------------------------|-------------------------------------|
| Address Class | Reserved Address Space |
| Class A | 10.0.0.0 through 10.255.255.255 |
| Class B | 172.16.0.0 through 172.31.255.255 |
| Class C | 192.168.0.0 through 192.168.255.255 |

| TABLE 3.5 Reserved IP address space | |
|-------------------------------------|-------------------------------------|
| Address Class | Reserved Address Space |
| Class A | 10.0.0.0 through 10.255.255.255 |
| Class B | 172.16.0.0 through 172.31.255.255 |
| Class C | 192.168.0.0 through 192.168.255.255 |

| DC-Externo – Para servidores de XYZ Inc. con capacidad para 2 servidores de uso externo | | | | | | | | | | | | | | | | | |
|---|-------------------------------------|---|-----|---|---------------|---|-----|---|--|---------------|------------------------|---------|---------------------------------|---------|-----------------------------------|---------|-------------------------------------|
| Se elige Subnet clase C, por la cantidad tan pequeña de direcciones IP que se requieren | | | | | | | | | | | | | | | | | |
| VLAN ID | IP address | | | | Bits | | | | | | | | | | | | |
| 25 | 10 | . | 0 | . | 0 | . | 200 | Network address | | | | | | | | | |
| | 255 | . | 255 | . | 255 | . | 252 | <div>TABLE 3.6 Reserved IP address space</div> <table><thead><tr><th>Address Class</th><th>Reserved Address Space</th></tr></thead><tbody><tr><td>Class A</td><td>10.0.0.0 through 10.255.255.255</td></tr><tr><td>Class B</td><td>172.16.0.0 through 172.31.255.255</td></tr><tr><td>Class C</td><td>192.168.0.0 through 192.168.255.255</td></tr></tbody></table> | | Address Class | Reserved Address Space | Class A | 10.0.0.0 through 10.255.255.255 | Class B | 172.16.0.0 through 172.31.255.255 | Class C | 192.168.0.0 through 192.168.255.255 |
| Address Class | Reserved Address Space | | | | | | | | | | | | | | | | |
| Class A | 10.0.0.0 through 10.255.255.255 | | | | | | | | | | | | | | | | |
| Class B | 172.16.0.0 through 172.31.255.255 | | | | | | | | | | | | | | | | |
| Class C | 192.168.0.0 through 192.168.255.255 | | | | | | | | | | | | | | | | |
| | | | | | 6 | Subnets | | | | | | | | | | | |
| | | | | | 2 = 64 | | | | | | | | | | | | |
| | | | | | 2 | Valid Hosts =Hosts- Broadcast address-Network address | | | | | | | | | | | |
| | | | | | 2 - 2 = 2 | | | | | | | | | | | | |
| | | | | | 256 - 252 = 4 | Valid subnets: 0,4.....up to 252 | | | | | | | | | | | |
| | 0 | . | 0 | . | 0 | . | 3 | Wildcard | | | | | | | | | |
| | 10 | . | 0 | . | 0 | . | 200 | Subnet | | | | | | | | | |
| | 10 | . | 0 | . | 0 | . | 201 | First usable address/MyServer-1 | | | | | | | | | |
| | 10 | . | 0 | . | 0 | . | 202 | Last usable address | | | | | | | | | |
| | 10 | . | 0 | . | 0 | . | 203 | Broadcast address for this subnet | | | | | | | | | |

| TABLE 3.5 Reserved IP address space | |
|-------------------------------------|-------------------------------------|
| Address Class | Reserved Address Space |
| Class A | 10.0.0.0 through 10.255.255.255 |
| Class B | 172.16.0.0 through 172.31.255.255 |
| Class C | 192.168.0.0 through 192.168.255.255 |

| DC-Interno – Para servidores de XYZ Inc. con capacidad para 2 servidores de uso interno | | | | | | | | | |
|---|------------|---|-----|---|---------------|---|-----|-----------------------------------|--------|
| Se elige Subnet clase C, por la cantidad tan pequeña de direcciones IP que se requieren | | | | | | | | | |
| VLAN ID | IP address | | | | Bits | | | | |
| 24 | 10 | . | 10 | . | 0 | . | 204 | Network address | |
| | 255 | . | 255 | . | 255 | . | 252 | (/30) | Subnet |
| | | | | | 6 | Subnets | | | |
| | | | | | 2 = 64 | | | | |
| | | | | | 2 | Valid Hosts =Hosts- Broadcast address-Network address | | | |
| | | | | | 2 - 2 = 2 | | | | |
| | | | | | 256 - 252 = 4 | Valid subnets: 0,4.....up to 252 | | | |
| | 0 | . | 0 | . | 0 | . | 3 | Wildcard | |
| | 10 | . | 0 | . | 0 | . | 204 | Subnet | |
| | 10 | . | 0 | . | 0 | . | 205 | First usable address/MyServer-2 | |
| | 10 | . | 0 | . | 0 | . | 206 | Last usable address | |
| | 10 | . | 0 | . | 0 | . | 207 | Broadcast address for this subnet | |

| TABLE 3.6 Reserved IP address space | |
|-------------------------------------|-------------------------------------|
| Address Class | Reserved Address Space |
| Class A | 10.0.0.0 through 10.255.255.255 |
| Class B | 172.16.0.0 through 172.31.255.255 |
| Class C | 192.168.0.0 through 192.168.255.255 |

| TABLE 3.5 Reserved IP address space | |
|-------------------------------------|-------------------------------------|
| Address Class | Reserved Address Space |
| Class A | 10.0.0.0 through 10.255.255.255 |
| Class B | 172.16.0.0 through 172.31.255.255 |
| Class C | 192.168.0.0 through 192.168.255.255 |

| VLAN de administración solo hay 6 equipos de redes | | | | | | | | | |
|---|------------|---|-----|---|---------------|---|-----|-----------------------------------|--|
| Se elige Subnet clase C, por la cantidad tan pequeña de direcciones IP que se requieren | | | | | | | | | |
| VLAN ID | IP address | | | | Bits | | | | |
| 23 | 10 | . | 0 | . | 0 | . | 216 | Network address | |
| | 255 | . | 255 | . | 255 | . | 248 | (/29) Subnet | |
| | | | | | 5 | Subnets | | | |
| | | | | | 2 = 32 | | | | |
| | | | | | 3 | Valid Hosts =Hosts- Broadcast address-Network address | | | |
| | | | | | 2 - 2 = 6 | | | | |
| | | | | | 256 - 248 = 8 | Valid subnets: 0,8.....up to 248 | | | |
| | 0 | . | 0 | . | 0 | . | 7 | Wildcard | |
| | 10 | . | 0 | . | 0 | . | 216 | Subnet | |
| | 10 | . | 0 | . | 0 | . | 217 | First usable address | |
| | 10 | . | 0 | . | 0 | . | 222 | Last usable address | |
| | 10 | . | 0 | . | 0 | . | 223 | Broadcast address for this subnet | |

| TABLE 3.5 Reserved IP address space | | |
|-------------------------------------|-------------------------------------|--|
| Address Class | Reserved Address Space | |
| Class A | 10.0.0.0 through 10.255.255.255 | |
| Class B | 172.16.0.0 through 172.31.255.255 | |
| Class C | 192.168.0.0 through 192.168.255.255 | |

| TABLE 3.5 Reserved IP address space | |
|-------------------------------------|-------------------------------------|
| Address Class | Reserved Address Space |
| Class A | 10.0.0.0 through 10.255.255.255 |
| Class B | 172.16.0.0 through 172.31.255.255 |
| Class C | 192.168.0.0 through 192.168.255.255 |

Configuraciones en cada equipo

| SW-ST-A | SW-DC |
|---|--|
| <pre> SW-ST-A#show running-config Building configuration... Current configuration : 2539 bytes ! version 12.2 no service timestamps log datetime msec no service timestamps debug datetime msec no service password-encryption ! hostname SW-ST-A ! enable secret 5 \$1\$mERr\$NK8mve7aY79HRdsS779Mw. ! ! ip dhcp excluded-address 10.0.0.1 ip dhcp excluded-address 10.0.0.161 ip dhcp excluded-address 10.0.0.193 ip dhcp excluded-address 10.0.0.129 ! ip dhcp pool ACC network 10.0.0.0 255.255.255.128 default-router 10.0.0.1 dns-server 8.8.8.8 ip dhcp pool RH network 10.0.0.160 255.255.255.224 default-router 10.0.0.161 ip dhcp pool TI network 10.0.0.192 255.255.255.248 default-router 10.0.0.193 dns-server 8.8.8.8 ip dhcp pool GUEST network 10.0.0.128 255.255.255.224 default-router 10.0.0.129 dns-server 8.8.8.8 ip ssh version 2 ip domain-name cisco.com ! username cisco privilege 1 password 0 cisco ! ! spanning-tree mode pvst spanning-tree extend system-id ! interface FastEthernet0/1 description TI switchport access vlan 27 switchport mode access </pre> | <pre> SW-DC#show running-config Building configuration... Current configuration : 2055 bytes ! version 12.2 no service timestamps log datetime msec no service timestamps debug datetime msec no service password-encryption ! hostname SW-DC ! enable secret 5 \$1\$mERr\$hX5rVt7rPNoS4wqbXKX7m0 ! ! ! ip ssh version 2 ip domain-name cisco.com ! username cisco privilege 1 password 0 cisco ! ! spanning-tree mode pvst spanning-tree extend system-id ! interface FastEthernet0/1 description MyServer1 switchport access vlan 25 switchport mode access ! interface FastEthernet0/2 description MyServer2 switchport access vlan 24 switchport mode access ! interface FastEthernet0/3 ! interface FastEthernet0/4 ! interface FastEthernet0/5 ! interface FastEthernet0/6 ! interface FastEthernet0/7 ! interface FastEthernet0/8 ! interface FastEthernet0/9 </pre> |

```

!
interface FastEthernet0/2
description GUEST
switchport access vlan 26
!
interface FastEthernet0/3
description ACC
switchport access vlan 29
switchport mode access
!
interface FastEthernet0/4
description RHH
switchport access vlan 28
switchport mode access
!
interface FastEthernet0/5
!
interface FastEthernet0/6
!
interface FastEthernet0/7
!
interface FastEthernet0/8
!
interface FastEthernet0/9
!
interface FastEthernet0/10
!
interface FastEthernet0/11
!
interface FastEthernet0/12
!
interface FastEthernet0/13
!
interface FastEthernet0/14
!
interface FastEthernet0/15
!
interface FastEthernet0/16
!
interface FastEthernet0/17
!
interface FastEthernet0/18
!
interface FastEthernet0/19
!
interface FastEthernet0/20
!
interface FastEthernet0/21
!
interface FastEthernet0/22
!
interface FastEthernet0/23
!
interface FastEthernet0/24
!
interface GigabitEthernet0/1
description trunk port to RTSTA

```

```

!
interface FastEthernet0/10
!
interface FastEthernet0/11
!
interface FastEthernet0/12
!
interface FastEthernet0/13
!
interface FastEthernet0/14
!
interface FastEthernet0/15
!
interface FastEthernet0/16
!
interface FastEthernet0/17
!
interface FastEthernet0/18
!
interface FastEthernet0/19
!
interface FastEthernet0/20
!
interface FastEthernet0/21
!
interface FastEthernet0/22
!
interface FastEthernet0/23
!
interface FastEthernet0/24
!
interface GigabitEthernet0/1
description trunk port to EDGE
switchport trunk native vlan 23
switchport trunk allowed vlan 23-29
switchport mode trunk
!
interface GigabitEthernet0/2
!
interface Vlan1
no ip address
shutdown
!
interface Vlan23
description management vlan
mac-address 0001.6338.3201
ip address 10.0.0.217
255.255.255.248
!
!
!
!
access-list 10 deny 10.0.0.0
0.0.0.127
access-list 10 deny 10.0.0.160
0.0.0.31
access-list 10 deny 10.0.0.128

```

| | |
|---|---|
| <pre> switchport trunk native vlan 23 switchport trunk allowed vlan 23-29 ! interface GigabitEthernet0/2 ! interface Vlan1 ip address 10.1.1.1 255.255.255.0 shutdown ! interface Vlan26 mac-address 0009.7c62.a101 ip address 10.0.0.129 255.255.255.224 ! interface Vlan27 mac-address 0009.7c62.a102 ip address 10.0.0.193 255.255.255.248 ! interface Vlan28 mac-address 0009.7c62.a103 ip address 10.0.0.161 255.255.255.224 ! interface Vlan29 mac-address 0009.7c62.a104 ip address 10.0.0.1 255.255.255.128 ! banner motd ^C Plis no entrar ^C ! ! ! line con 0 password cisco login ! line vty 0 4 password cisco login transport input ssh line vty 5 15 login ! ! ! ! end </pre> | <pre> 0.0.0.31 access-list 10 permit 10.0.0.192 0.0.0.7 access-list 10 permit any access-list 11 permit 10.0.0.0 0.0.0.127 access-list 11 permit 10.0.0.160 0.0.0.31 access-list 11 permit 10.0.0.128 0.0.0.31 access-list 11 permit 10.0.0.192 0.0.0.7 access-list 40 permit 10.0.0.192 0.0.0.7 line con 0 password cisco login ! line vty 0 4 password cisco login transport input ssh line vty 5 15 login ! ! ! ! end </pre> |
| RT-ST-A | EDGE-ROUTER |
| <pre> RT-ST-A#show run Building configuration... Current configuration : 1229 bytes ! version 15.1 no service timestamps log datetime </pre> | <pre> EDGE-ROUTER#show run Building configuration... Current configuration : 1264 bytes ! version 15.1 no service timestamps log datetime </pre> |

```

msec
no service timestamps debug datetime
msec
no service password-encryption
!
hostname RT-ST-A
!
!
!
enable secret 5
$1$mERr$hX5rVt7rPNoS4wqbXKX7m0
!
!
!
!
!
!
ip cef
no ipv6 cef
!
!
!
username cisco password 0 cisco
!
!
license udi pid CISCO2911/K9 sn
FTX15241I3J-
!
!
!
!
!
!
!
!
!
ip ssh version 2
ip domain-name cisco.com
!
!
spanning-tree mode pvst
!
!
!
!
!
!
interface GigabitEthernet0/0
description trunk port
no ip address
duplex auto
speed auto
shutdown
!
interface GigabitEthernet0/1
description trunk port
no ip address

```

```

msec
no service timestamps debug datetime
msec
no service password-encryption
!
hostname EDGE-ROUTER
!
!
!
enable secret 5
$1$mERr$hX5rVt7rPNoS4wqbXKX7m0
!
!
!
!
!
!
no ip cef
no ipv6 cef
!
!
!
username cisco password 0 cisco
!
!
license udi pid CISCO2901/K9 sn
FTX15248LU8-
!
!
!
!
!
!
!
!
!
ip ssh version 2
ip domain-name cisco.com
!
!
spanning-tree mode pvst
!
!
!
!
!
!
interface GigabitEthernet0/0
no ip address
duplex auto
speed auto
!
interface GigabitEthernet0/0.5
encapsulation dot1Q 23
ip address 10.0.0.198
255.255.255.224
!

```

```

duplex auto
speed auto
shutdown
!
interface GigabitEthernet0/2
no ip address
duplex auto
speed auto
shutdown
!
interface Vlan1
no ip address
shutdown
!
interface Vlan23
description management vlan
mac-address 0090.0ce7.3d01
ip address 10.0.0.220
255.255.255.248
!
router rip
version 2
network 10.0.0.0
default-information originate
no auto-summary
!
ip classless
ip route 0.0.0.0 0.0.0.0
GigabitEthernet0/0
!
ip flow-export version 9
!
!
access-list 40 permit 10.0.0.192
0.0.0.7
!
no cdp run
!
!
!
!
!
!
line con 0
password cisco
login
!
line aux 0
!
line vty 0 4
password cisco
login
transport input ssh
!
!
!
end

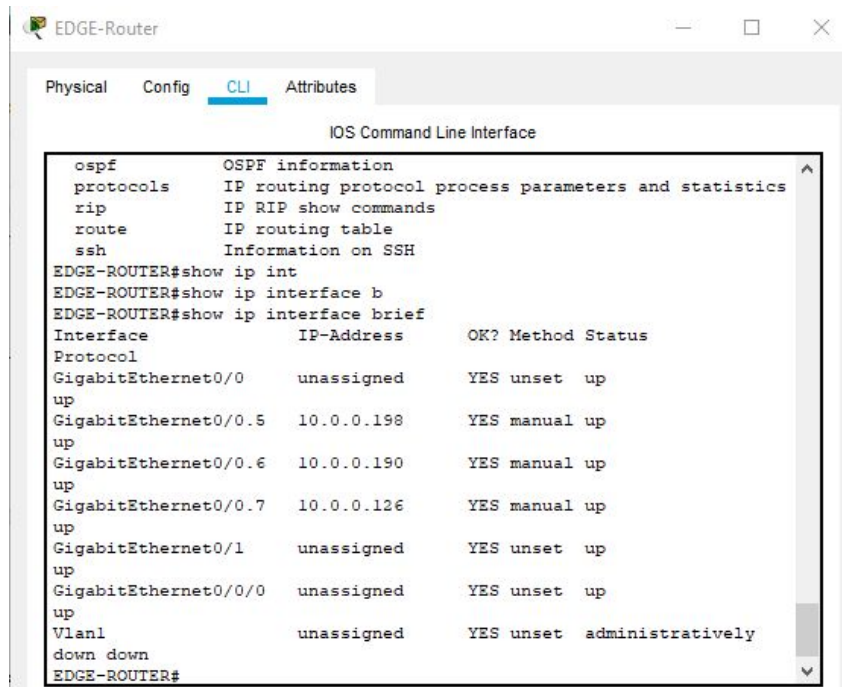
```

```

interface GigabitEthernet0/0.6
encapsulation dot1Q 24
ip address 10.0.0.190
255.255.255.224
!
interface GigabitEthernet0/0.7
encapsulation dot1Q 25
ip address 10.0.0.126
255.255.255.128
!
interface GigabitEthernet0/1
no ip address
duplex auto
speed auto
shutdown
!
interface GigabitEthernet0/0/0
no ip address
ip nat outside
shutdown
!
interface Vlan1
no ip address
shutdown
!
ip nat pool cisco 148.242.69.1
148.242.69.6 netmask 255.255.255.248
ip nat inside source list 180 pool
cisco
ip classless
!
ip flow-export version 9
!
!
!
!
!
!
!
!
line con 0
password cisco
login
!
line aux 0
!
line vty 0 4
password cisco
login
transport input ssh
!
!
!
end

```

Verificación de la configuración



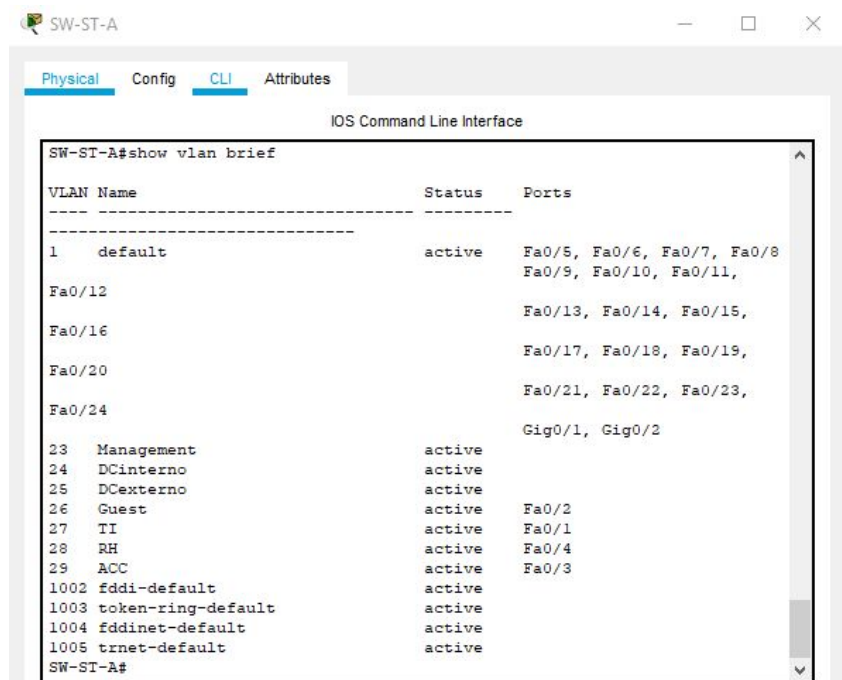
EDGE-Router

Physical Config **CLI** Attributes

IOS Command Line Interface

```
ospf      OSPF information
protocols IP routing protocol process parameters and statistics
rip       IP RIP show commands
route     IP routing table
ssh       Information on SSH
EDGE-ROUTER#show ip int
EDGE-ROUTER#show ip interface b
EDGE-ROUTER#show ip interface brief
Interface          IP-Address      OK? Method Status
Protocol
GigabitEthernet0/0 unassigned     YES unset  up
up
GigabitEthernet0/0.5 10.0.0.198     YES manual up
up
GigabitEthernet0/0.6 10.0.0.190     YES manual up
up
GigabitEthernet0/0.7 10.0.0.126     YES manual up
up
GigabitEthernet0/1   unassigned     YES unset  up
up
GigabitEthernet0/0/0 unassigned     YES unset  up
up
Vlan1              unassigned     YES unset  administratively
down down
EDGE-ROUTER#
```

show ip interface brief



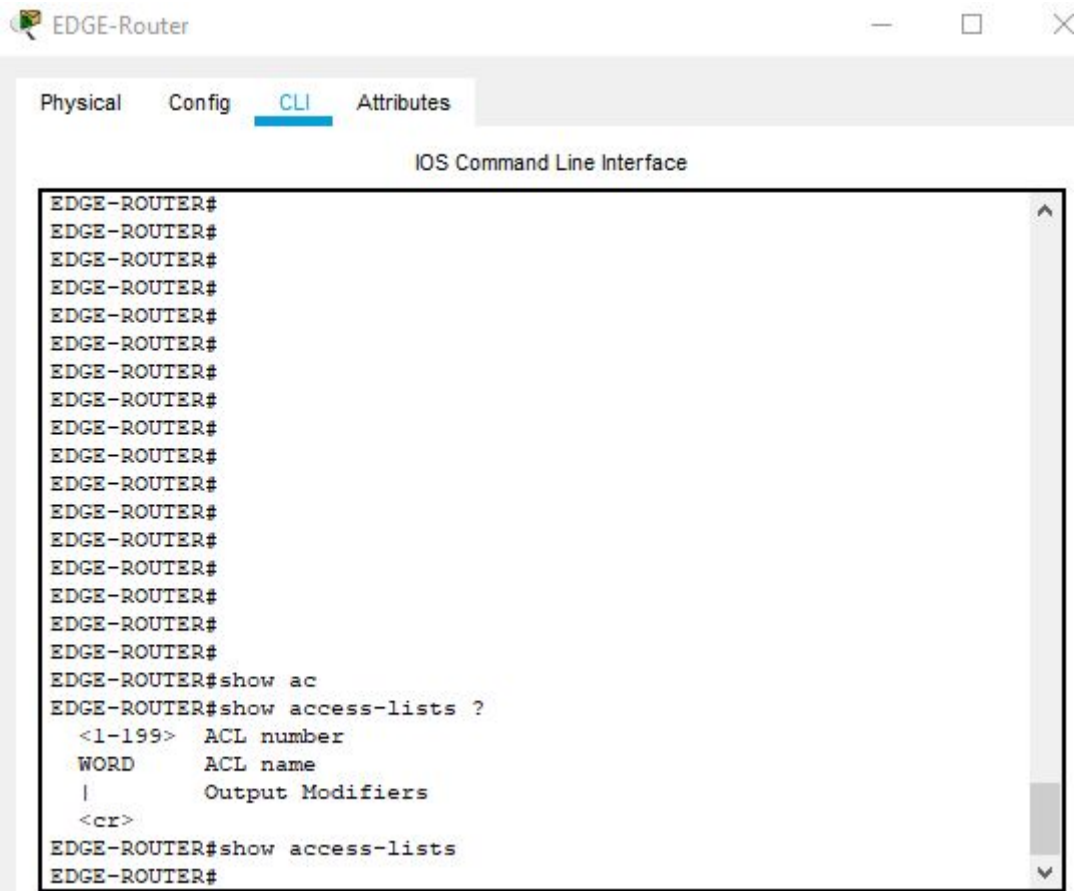
SW-ST-A

Physical Config **CLI** Attributes

IOS Command Line Interface

```
SW-ST-A#show vlan brief
VLAN Name                Status    Ports
-----
1    default                active    Fa0/5, Fa0/6, Fa0/7, Fa0/8
Fa0/9, Fa0/10, Fa0/11,
Fa0/12, Fa0/13, Fa0/14, Fa0/15,
Fa0/16, Fa0/17, Fa0/18, Fa0/19,
Fa0/20, Fa0/21, Fa0/22, Fa0/23,
Fa0/24, Gig0/1, Gig0/2
23   Management              active
24   DCinterno               active
25   DCexterno               active
26   Guest                   active    Fa0/2
27   TI                      active    Fa0/1
28   RH                      active    Fa0/4
29   ACC                     active    Fa0/3
1002 fddi-default            active
1003 token-ring-default      active
1004 fddinet-default          active
1005 trnet-default            active
SW-ST-A#
```

show vlan brief



show access-lists