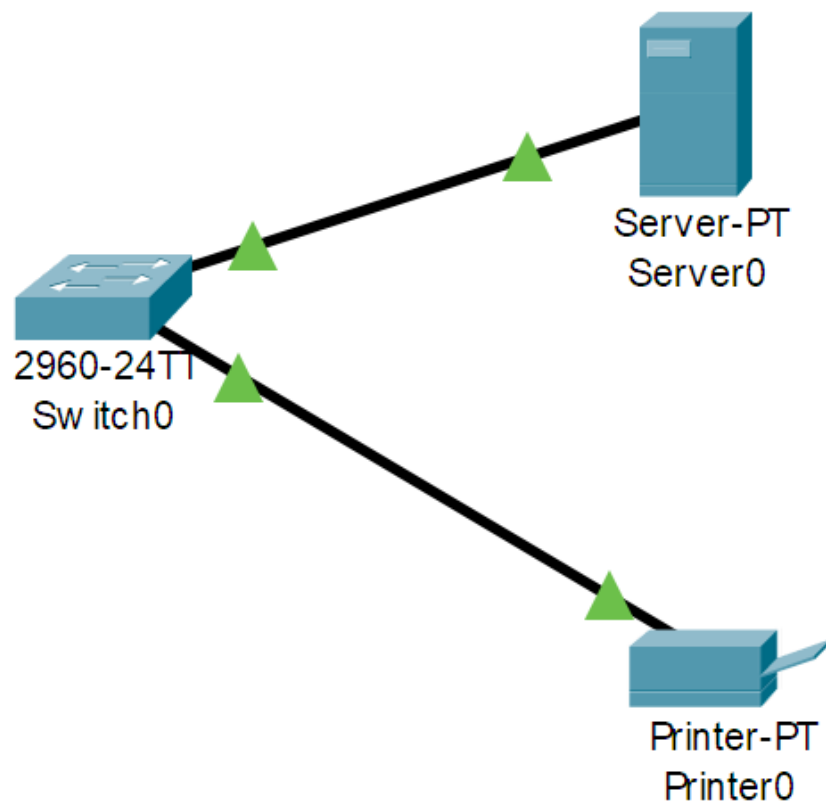


Seguridad en el Switch



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1. Inhabilitación de puerto

```
Switch>
Switch>enable
Switch#config
Configuring from terminal, memory, or network [terminal]?
Enter configuration commands, one per line. End with CNTL/Z.
Switch(config)#interface fa0/4
Switch(config-if)#shutsown
                        ^
% Invalid input detected at '^' marker.
Switch(config-if)#shutdown

%LINK-5-CHANGED: Interface FastEthernet0/4, changed state to
administratively down
Switch(config-if)#exit
Switch(config)#
Switch#
%SYS-5-CONFIG_I: Configured from console by console
```

2. Inhabilitación de varios puertos

```
Switch(config)#interface range fa0/5-24
Switch(config-if-range)#shutdown

%LINK-5-CHANGED: Interface FastEthernet0/5, changed state to
administratively down

%LINK-5-CHANGED: Interface FastEthernet0/6, changed state to
administratively down

%LINK-5-CHANGED: Interface FastEthernet0/7, changed state to
administratively down

%LINK-5-CHANGED: Interface FastEthernet0/8, changed state to
administratively down

%LINK-5-CHANGED: Interface FastEthernet0/9, changed state to
administratively down

%LINK-5-CHANGED: Interface FastEthernet0/10, changed state to
administratively down

%LINK-5-CHANGED: Interface FastEthernet0/11, changed state to
administratively down

%LINK-5-CHANGED: Interface FastEthernet0/12, changed state to
administratively down
```

%LINK-5-CHANGED: Interface FastEthernet0/13, changed state to administratively down

%LINK-5-CHANGED: Interface FastEthernet0/14, changed state to administratively down

%LINK-5-CHANGED: Interface FastEthernet0/15, changed state to administratively down

%LINK-5-CHANGED: Interface FastEthernet0/16, changed state to administratively down

%LINK-5-CHANGED: Interface FastEthernet0/17, changed state to administratively down

%LINK-5-CHANGED: Interface FastEthernet0/18, changed state to administratively down

%LINK-5-CHANGED: Interface FastEthernet0/19, changed state to administratively down

%LINK-5-CHANGED: Interface FastEthernet0/20, changed state to administratively down

%LINK-5-CHANGED: Interface FastEthernet0/21, changed state to administratively down

%LINK-5-CHANGED: Interface FastEthernet0/22, changed state to administratively down

%LINK-5-CHANGED: Interface FastEthernet0/23, changed state to administratively down

%LINK-5-CHANGED: Interface FastEthernet0/24, changed state to administratively down

3. Seguridad de puertos

3.1. Individual

```
Switch(config)#inter
Switch(config)#interface fa0/1
Switch(config-if)#swit
Switch(config-if)#switchport mo
Switch(config-if)#switchport mode
Switch(config-if)#switchport mode acc
Switch(config-if)#switchport mode access
Switch(config-if)#switchport
Switch(config-if)#switchport por
```

```
Switch(config-if)#switchport port-security
```

3.2. Rango

```
Switch(config)#interface range fa0/1-2
Switch(config-if-range)#swit
Switch(config-if-range)#switchport mod
Switch(config-if-range)#switchport mod
Switch(config-if-range)#switchport mo
Switch(config-if-range)#switchport mode acc
Switch(config-if-range)#switchport mode access
Switch(config-if-range)#switch
Switch(config-if-range)#switchport porr
Switch(config-if-range)#switchport port
Switch(config-if-range)#switchport port-security
```

3.3. Dirección MAC estática

```
Switch(config)#interface fa0/1
Switch(config-if)#switchport port-security maximum 1
Switch(config-if)#switc
Switch(config-if)#switchport por
Switch(config-if)#switchport port-security mac
Switch(config-if)#switchport port-security mac-address
0004.9A2E.B165
Found duplicate mac-address 0004.9a2e.b165.
```

```
show port access
```

```
^
```

```
% Invalid input detected at '^' marker.
```

```
Switch#show port address
```

```
Secure Mac Address Table
```

```
-----
-----
```

```
Vlan Mac Address Type Ports Remaining Age
(mins)
```

```
-----
1 0004.9A2E.B165 DynamicConfigured FastEthernet0/1 -
1 0030.A35C.2792 DynamicConfigured FastEthernet0/2 -
-----
```

```
-----
Total Addresses in System (excluding one mac per port) : 0
Max Addresses limit in System (excluding one mac per port) :
1024
```

3.4. Dirección MAC Segura persistente

```
Switch(config)#interface fa0/2
Switch(config-if)#switchport por
Switch(config-if)#switchport port-security
```

```
Switch(config-if)#switchport port-security maximum 2  
Switch(config-if)#switchport port-security mac  
Switch(config-if)#switchport port-security mac-address sticky
```