Configuración de Switch 2960

Primero, conectar el switch y acceder a la configuración del mismo
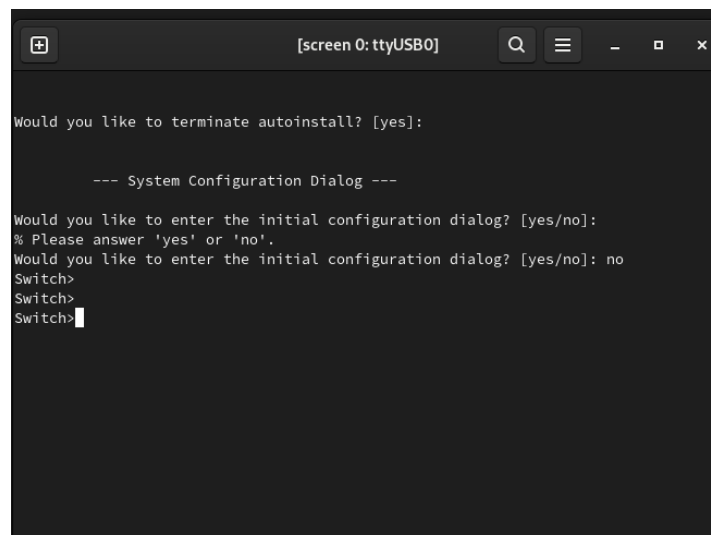

Luego hay que escribir: "sudo screen (puerto)"

Listo, accedimos!

Ahora, seguir el tutorial estudiado

"show running-config"

[screen 0: ttyUSB0]

Would you like to terminate autoinstall? [yes]:

        --- System Configuration Dialog ---

Would you like to enter the initial configuration dialog? [yes/no]:
% Please answer 'yes' or 'no'.
Would you like to enter the initial configuration dialog? [yes/no]: no
Switch>
Switch>
Switch>enable
Switch#show running-config
Building configuration...

Current configuration : 1198 bytes
!
version 12.2
no service pad
service timestamps debug uptime
service timestamps log uptime
no service password-encryption
!
hostname Switch
!
!
no aaa new-model
system mtu routing 1500
ip subnet-zero
!
!
!
!
no file verify auto
spanning-tree mode pvst
spanning-tree extend system-id
!
vlan internal allocation policy ascending
!
interface FastEthernet0/1
!
interface FastEthernet0/2
!
interface FastEthernet0/3
!
interface FastEthernet0/4
!

Switch#[B
% Unknown command or computer name, or unable to find computer address
Switch#
Switch#
Switch#
Switch#

Asignar nombre al switch

Switch# configure terminal

```
Switch#configure terminal
Enter configuration commands, one per line.  End with CNTL/Z.
Switch(config)#
```

Switch(config)# hostname ci0123

```
Enter configuration commands, one per line.  End with CNTL/Z.
Switch(config)#hostname ci0123
ci0123(config)#
```

ci0123(config)# exit

Proporcionar acceso seguro a la consola

ci0123# configure terminal

ci0123(config)# line console 0

ci0123(config-line)# password n0t13n3!

ci0123(config-line)# login

ci0123(config-line)# exit

ci0123(config)# exit

```
00:16:25: %SYS-5-CONFIG_I: Configured from console by console
ci0123#<configure terminal
        ^
% Invalid input detected at '^' marker.

ci0123#configure terminal
Enter configuration commands, one per line.  End with CNTL/Z.
ci0123(config)#line console 0
ci0123(config-line)#password n0t13n3!
ci0123(config-line)#login
ci0123(config-line)#exit
ci0123(config)#exit
ci0123#
```

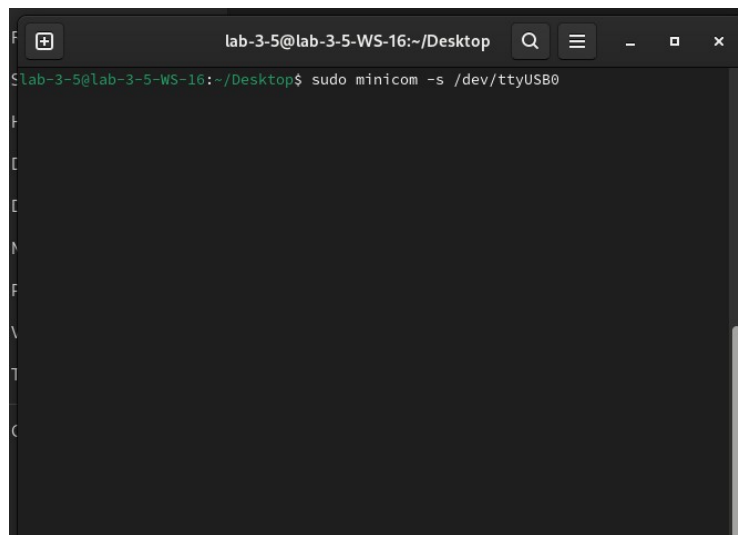# Proporcionar acceso seguro al modo privilegiado

ci0123> enable

ci0123# configure terminal

ci0123(config)# enable password c1$c0
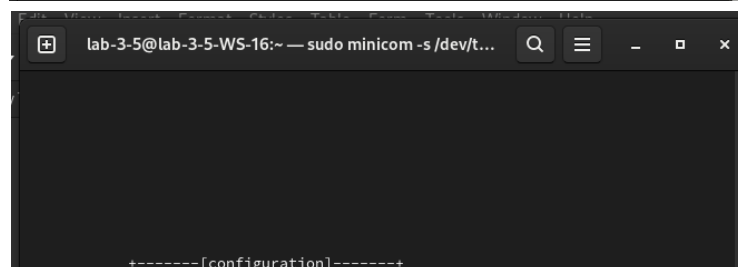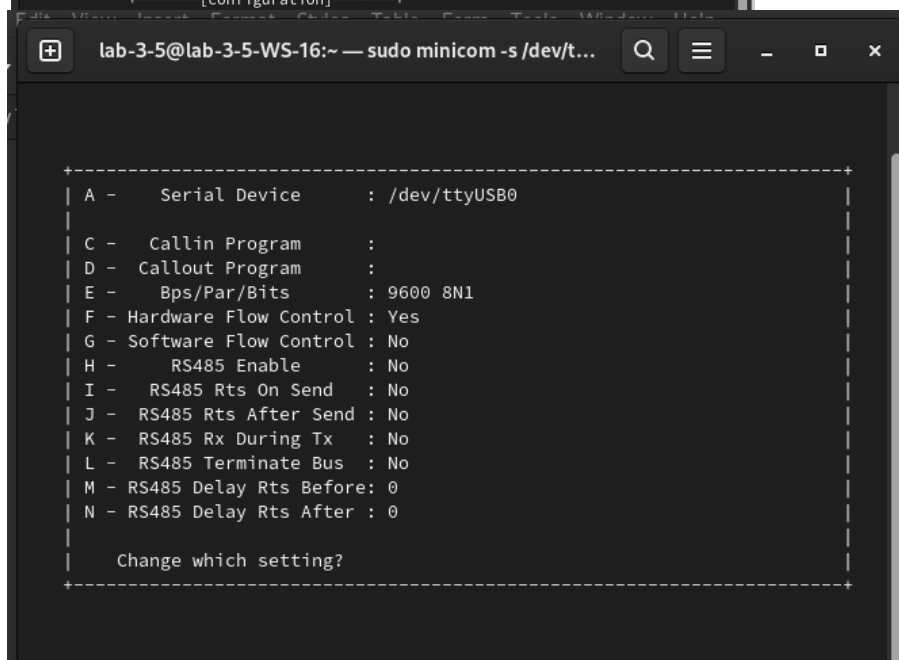
ci0123(config)# exit

ci0123#

Como se me salió de todo, tuve que volver a entrar, ahora tuve que usar minicom


```
lab-3-5@lab-3-5-WS-16:~/Desktop$ sudo minicom -s /dev/ttyUSB0
```
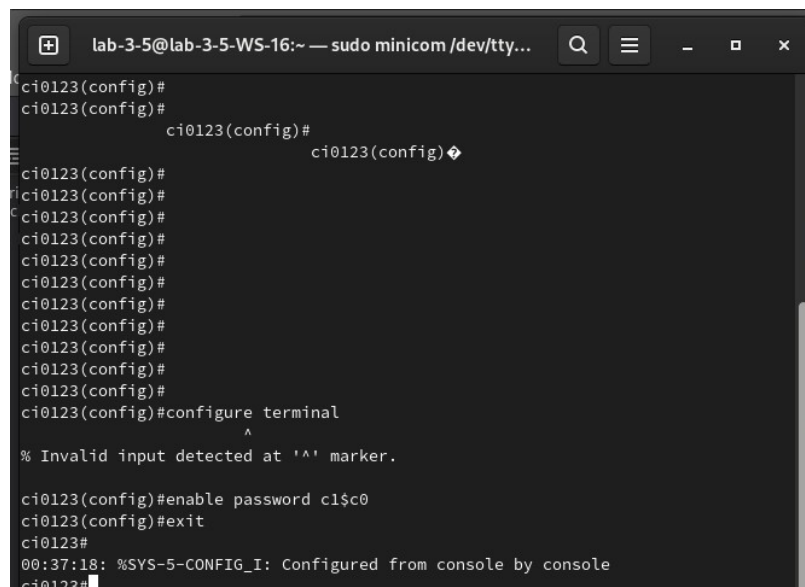


```
+--------[configuration]--------+
```



```
+----------------------------------------------------------+
| A -     Serial Device      : /dev/ttyUSB0                |
|                                                          |
| C -   Callin Program       :                             |
| D -  Callout Program       :                             |
| E -     Bps/Par/Bits       : 9600 8N1                    |
| F - Hardware Flow Control : Yes                          |
| G - Software Flow Control : No                           |
| H -      RS485 Enable      : No                          |
| I -   RS485 Rts On Send    : No                          |
| J -  RS485 Rts After Send : No                           |
| K -  RS485 Rx During Tx    : No                          |
| L -  RS485 Terminate Bus  : No                           |
| M - RS485 Delay Rts Before: 0                            |
| N - RS485 Delay Rts After : 0                            |
|                                                          |
|    Change which setting?                                 |
+----------------------------------------------------------+
```

Configurado!

Listo!

Configurar una contraseña cifrada para proporcionar acceso seguro al modo privilegiado
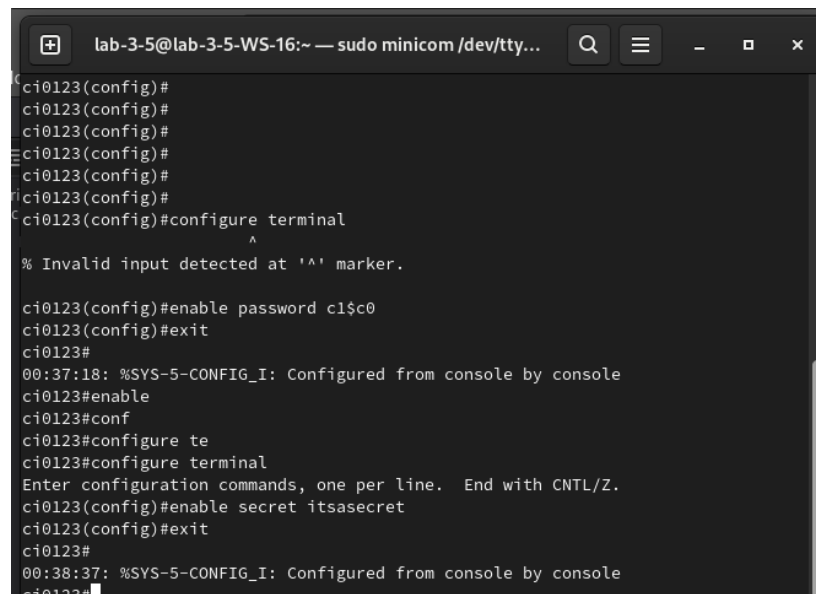
ci0123> enable

ci0123# configure terminal

ci0123(config)# enable secret itsasecret

ci0123(config)# exit

ci0123#

Cifrar las contraseña de consola y enable
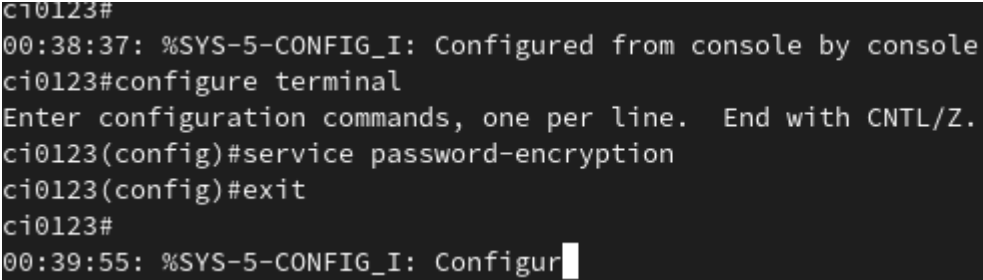
ci0123> enable

ci0123# configure terminal

ci0123(config)# service password-encryption

ci0123(config)# exit

ci0123#

```
ci0123#
00:38:37: %SYS-5-CONFIG_I: Configured from console by console
ci0123#configure terminal
Enter configuration commands, one per line.  End with CNTL/Z.
ci0123(config)#service password-encryption
ci0123(config)#exit
ci0123#
00:39:55: %SYS-5-CONFIG_I: Configur
```

Configurar mensaje del día MOTD
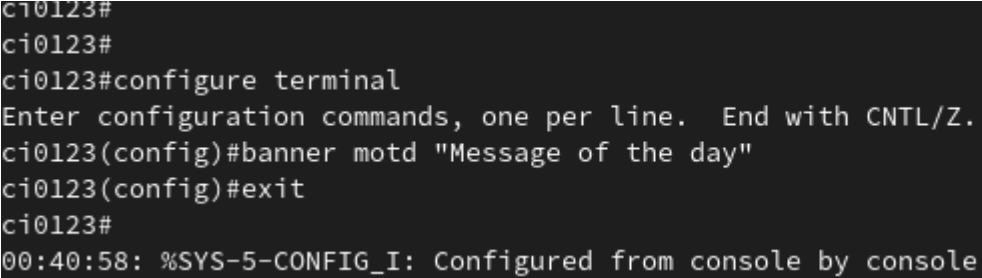
ci0123> enable

ci0123# configure terminal

ci0123(config)# banner motd "Message of the day"

ci0123(config)# exit

ci0123#

```
ci0123#
ci0123#
ci0123#configure terminal
Enter configuration commands, one per line.  End with CNTL/Z.
ci0123(config)#banner motd "Message of the day"
ci0123(config)#exit
ci0123#
00:40:58: %SYS-5-CONFIG_I: Configured from console by console
```

Guardar los cambios de la configuración en la NVRAM

copy running-config startup-config

```
ci0123#
ci0123#
ci0123#
ci0123#copy running-config startup-config
Destination filename [startup-config]?
Building configuration...
[OK]
ci0123#
```

Deshabilitar la busqueda de nombres de dominio

ci0123> enable

ci0123# configure terminal

ci0123(config)# no ip domain-lookup

ci0123(config)# exit

ci0123#

```
ci0123#enable
ci0123#conf
ci0123#configure ter
ci0123#configure terminal
Enter configuration commands, one per line.  End with CNTL/Z.
ci0123(config)#no ip domain-lookup
ci0123(config)#exit
ci0123#
00:44:46: %SYS-5-CONFIG_I: Configured from console by console
```

Habilitar VTY Line para Acceso vía Telnet

ci0123(config)# line vty 0 15

ci0123(config-line)# login

ci0123(config-line)# password p4ssw0rd

ci0123(config-line)# exec-timeout <cantidad-minutos> <cantidad-segundos>

ci0123(config-line)# exit

```
ci0123#
ci0123#configure terminal
Enter configuration commands, one per line.  End with CNTL/Z.
ci0123(config)#line vty 0 15
ci0123(config-line)#login
% Login disabled on line 1, until 'password' is set
% Login disabled on line 2, until 'password' is set
% Login disabled on line 3, until 'password' is set
% Login disabled on line 4, until 'password' is set
% Login disabled on line 5, until 'password' is set
% Login disabled on line 6, until 'password' is set
% Login disabled on line 7, until 'password' is set
% Login disabled on line 8, until 'password' is set
% Login disabled on line 9, until 'password' is set
% Login disabled on line 10, until 'password' is set
% Login disabled on line 11, until 'password' is set
% Login disabled on line 12, until 'password' is set
% Login disabled on line 13, until 'password' is set
% Login disabled on line 14, until 'password' is set
% Login disabled on line 15, until 'password' is set
% Login disabled on line 16, until 'password' is set
ci0123(config-line)#password p4ssw0rd
ci0123(config-line)#exec-timeout 1 30
ci0123(config-line)#
```

Configuración Vlan Switchs

ci0123(config) vlan ID # Numero

ci0123(config-vlan) name Name # Texto

ci0123(config-vlan) exit

```
ci0123(config)#vlan ID 520
                      ^
% Invalid input detected at '^' marker.

ci0123(config)#vlan ID #520
                         ^
% Invalid input detected at '^' marker.

ci0123(config)#vlan ID # 520
                        ^
% Invalid input detected at '^' marker.

ci0123(config)#vlan ID 520
                      ^
% Invalid input detected at '^' marker.

ci0123(config)#vlan 520
ci0123(config-vlan)#name equipo 2
                               ^
% Invalid input detected at '^' marker.

ci0123(config-vlan)#name equipo_2
ci0123(config-vlan)#exit
```

Algunos errores pero todo bien!

Asociación de Interface con Vlan

ci0123(config)# interface fastethernet 0/3

ci0123(config-if)# switchport access vlan 30

ci0123(config-if)# switchport mode access

ci0123(config-if)# switchport port-security

ci0123(config-if)# switchport port-security mac-address sticky

ci0123(config-if)# switchport port-security violation restrict

ci0123(config-if)# switchport port-security maximum 1

ci0123(config-if)# switchport mode access

ci0123(config-if)# exit

```
ci0123#show running-config
Building configuration...

Current configuration : 1681 bytes
!
version 12.2
no service pad
service timestamps debug uptime
service timestamps log uptime
service password-encryption
!
hostname ci0123
!
enable secret 5 $1$8dL2$wb1usC3/gP2xNAhT1KI5w/
enable password 7 01105740585B
!
no aaa new-model
system mtu routing 1500
ip subnet-zero
!
no ip domain-lookup
!
!
!
no file verify auto
spanning-tree mode pvst
spanning-tree extend system-id
!
vlan internal allocation policy ascending
!
interface FastEthernet0/1
 switchport mode trunk
!
interface FastEthernet0/2
!
interface FastEthernet0/3
 switchport access vlan 30
 switchport mode access
 switchport port-security
 switchport port-security violation restrict
 switchport port-security mac-address sticky
!
interface FastEthernet0/4
!
interface FastEthernet0/5
!
interface FastEthernet0/6
!
interface FastEthernet0/7
!
interface FastEthernet0/8
!
interface FastEthernet0/9
!
 --More--
```