

# Exo-CLI

---

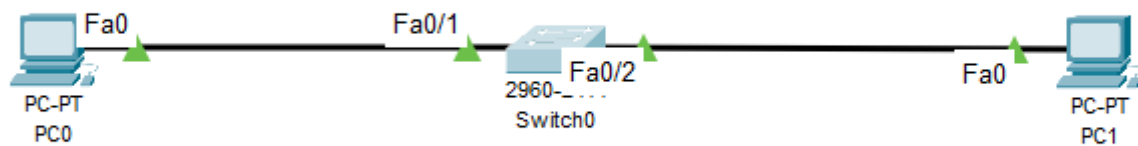
## Prise en main de l'interface CLI

---

### Exercice 1 : Configuration du CLI

#### Materiel requis

- Un comutateur
- 2 PC
- Relier avec un cable les PC au comutateur (Switch)
- Cliquer sur le switch aller sur CLI



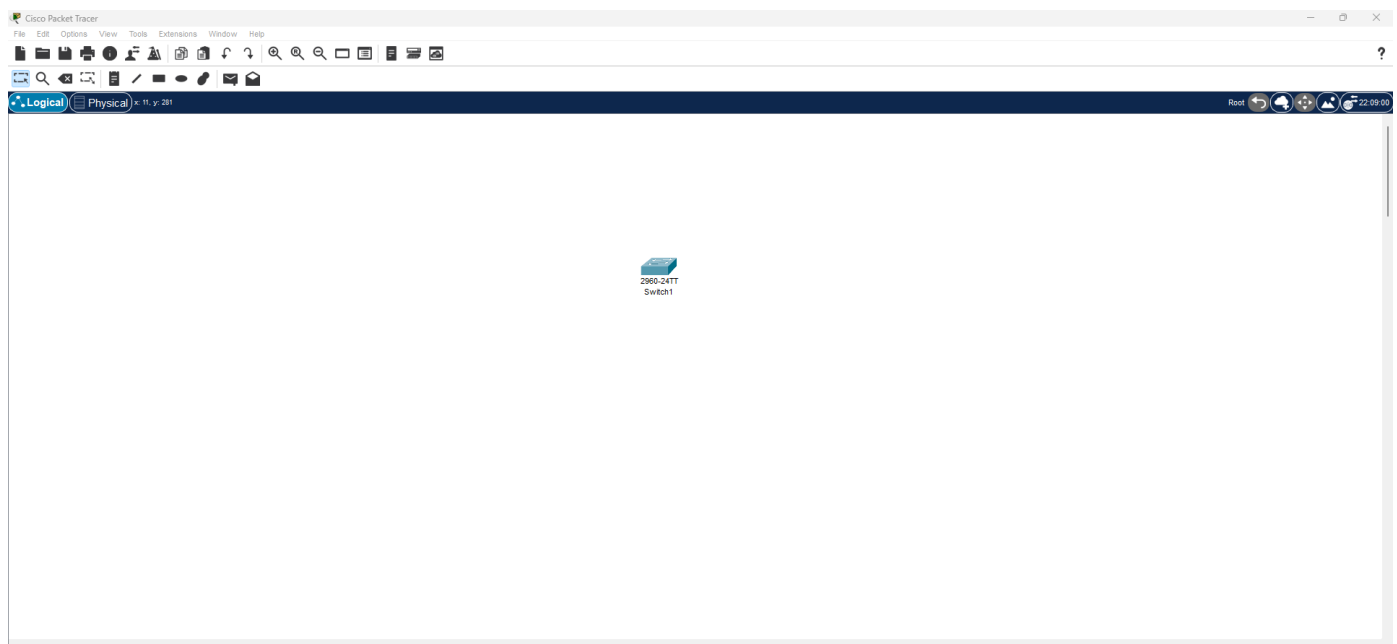
```
Switch>en
Switch#conf t
Enter configuration commands, one per line.  End with CNTL/Z.
Switch(config)#Vlan 10
Switch(config-vlan)#int Vlan 10
Switch(config-if)#exit
Switch(config)#int Fa0/1
Switch(config-if)#switchport mode access
Switch(config-if)#switchport access Vlan 10
Switch(config-if)#
```

---

### Exercice 2 : des modes d'execution sur un switch cisco

#### Materiel requis

- Un comutateur (Switch)



- **Mode utilisateur :**

```
Switch>
```

- **Mode Privilegier :**

```
Switch>en
```

```
Switch#
```

- **Retour mode utilisateur :**

Commande pour quitter le mode privilegier

```
Switch#disable
```

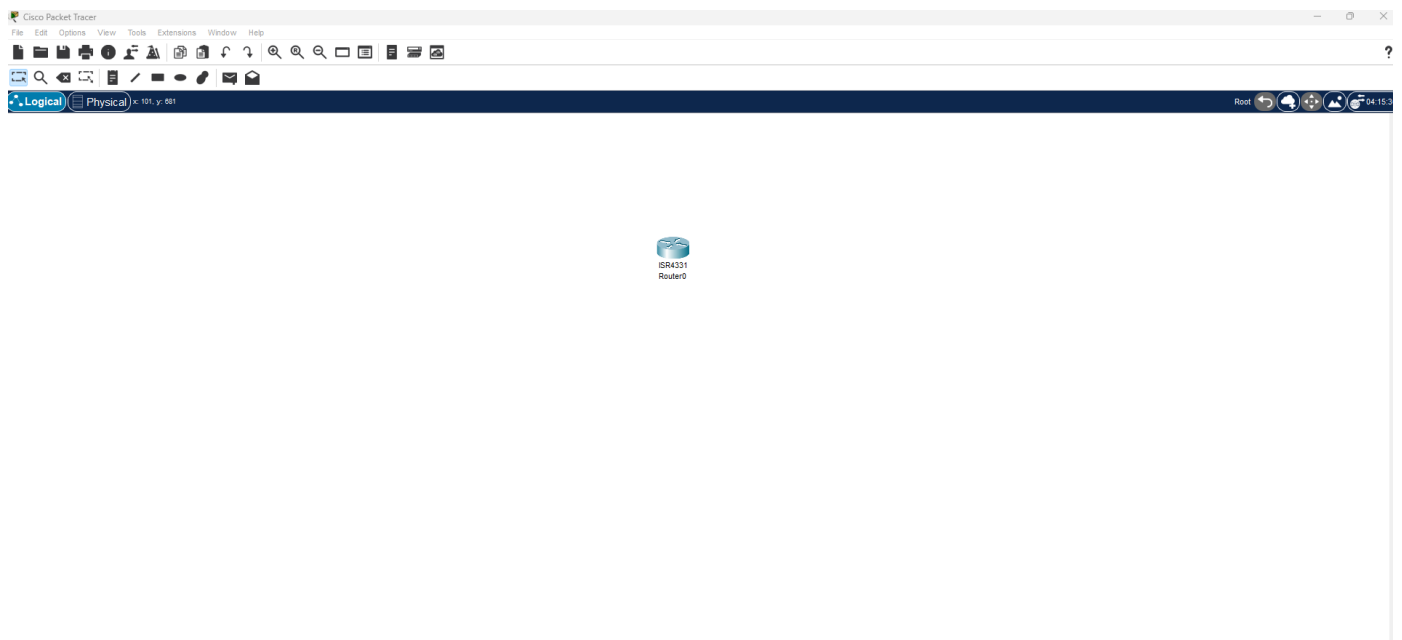
```
Switch>
```

---

## Exercice 3 : Entrer et sortie du mode de configuration globale sur un routeur cisco

### Materiel requis

- Un Routeur



- **Mode utilisateur :**

```
Would you like to enter the initial configuration dialog? [yes/no]: no
```

```
Press RETURN to get started!
```

```
Router>
```

- **Mode Privilegier :**

```
Router>en
```

```
Router#
```

- **Enter mode configuration globale :**

```
Router>en
```

```
Router#
```

```
Router#conf t
```

```
Enter configuration commands, one per line. End with CNTL/Z.
```

```
Router(config)#
```

- **Sortir du mode configuration globale :**

Commande pour quitter le mode configuration globale

```
Router>en
```

```
Router#
```

```
Router#conf t
```

```
Enter configuration commands, one per line. End with CNTL/Z.
```

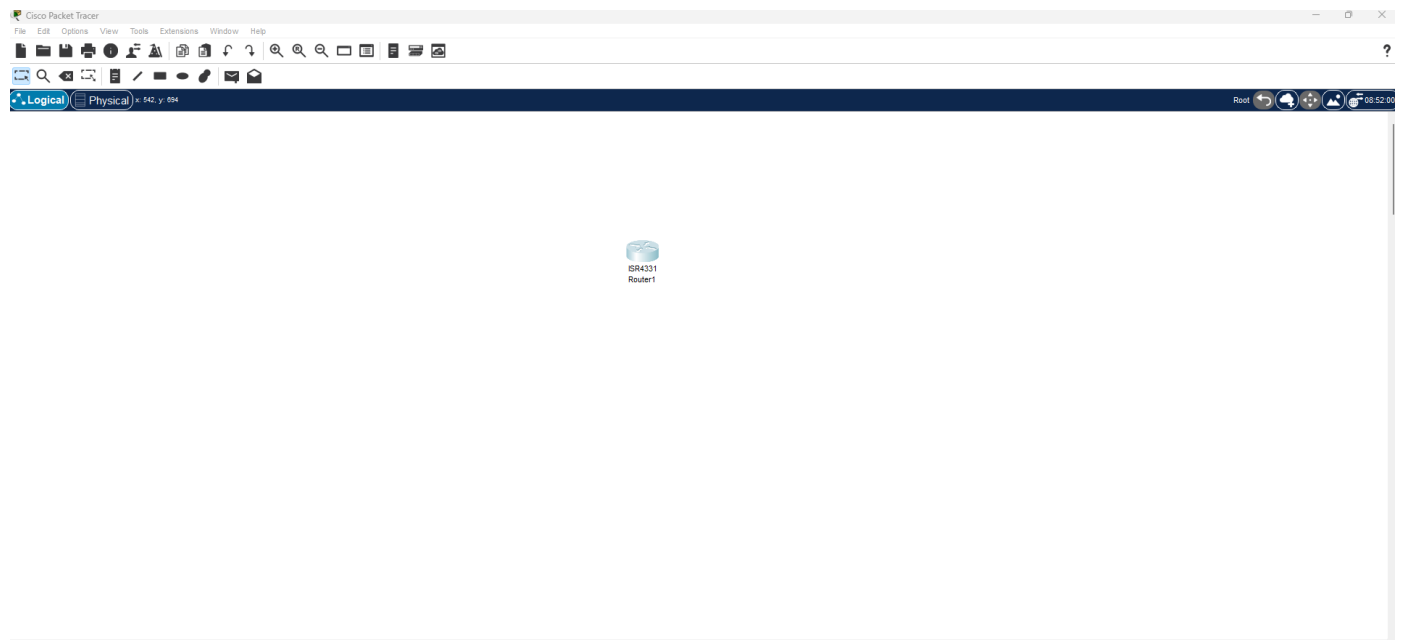
```
Router(config)#exit
```

```
Router#  
%SYS-5-CONFIG_I: Configured from console by console  
  
Router#
```

## Exercice 4 : Configuration de accès consol sur un routeur cisco

### Materiel requis

- Un Routeur cisco



- **Mode Privilegier :**

```
Router>en  
Router#
```

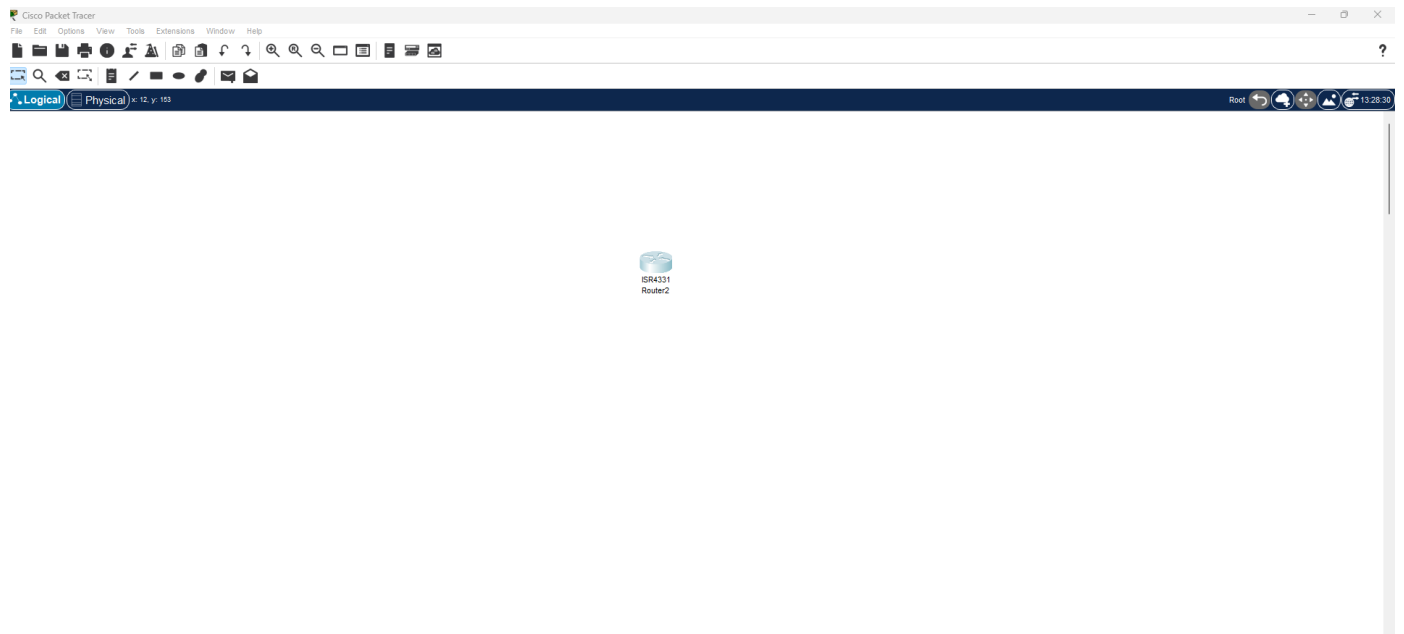
- **Enter mode configuration globale :**

```
Router>en  
Router#  
Router#conf t  
Enter configuration commands, one per line. End with CNTL/Z.  
Router(config)#line console 0  
Router(config-line)#
```

## Exercice 5 : Configuration d'une interface réseau sur un routeur cisco

### Materiel requis

- Un Routeur cisco



```
Router>en
Router#conf t
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#interface GigabitEthernet0/0/1
Router(config-if)#ip address 192.168.2.1 255.255.255.0
Router(config-if)#no shut

Router(config-if) #
%LINK-5-CHANGED: Interface GigabitEthernet0/0/1, changed state to up

Router(config-if) #exit
Router(config) #
```

- **Configuration d'une interface réseau sur un routeur cisco en mode graphique**

The screenshot shows the Router2 configuration window with the 'Config' tab selected. The left sidebar contains a tree view with the following categories: GLOBAL (Settings, Algorithm Settings), ROUTING (Static, RIP), SWITCHING (VLAN Database), and INTERFACE (GigabitEthernet0/0/0, GigabitEthernet0/0/1, GigabitEthernet0/0/2). The 'GigabitEthernet0/0/0' interface is selected and its configuration is displayed on the right. The configuration includes: Port Status (On), Bandwidth (1000 Mbps), Duplex (Full Duplex), MAC Address (0050.0FEE.B401), IP Configuration (IPv4 Address: 192.168.1.1, Subnet Mask: 255.255.255.0), and Tx Ring Limit (10). Below the configuration, the 'Equivalent IOS Commands' section shows the following commands:

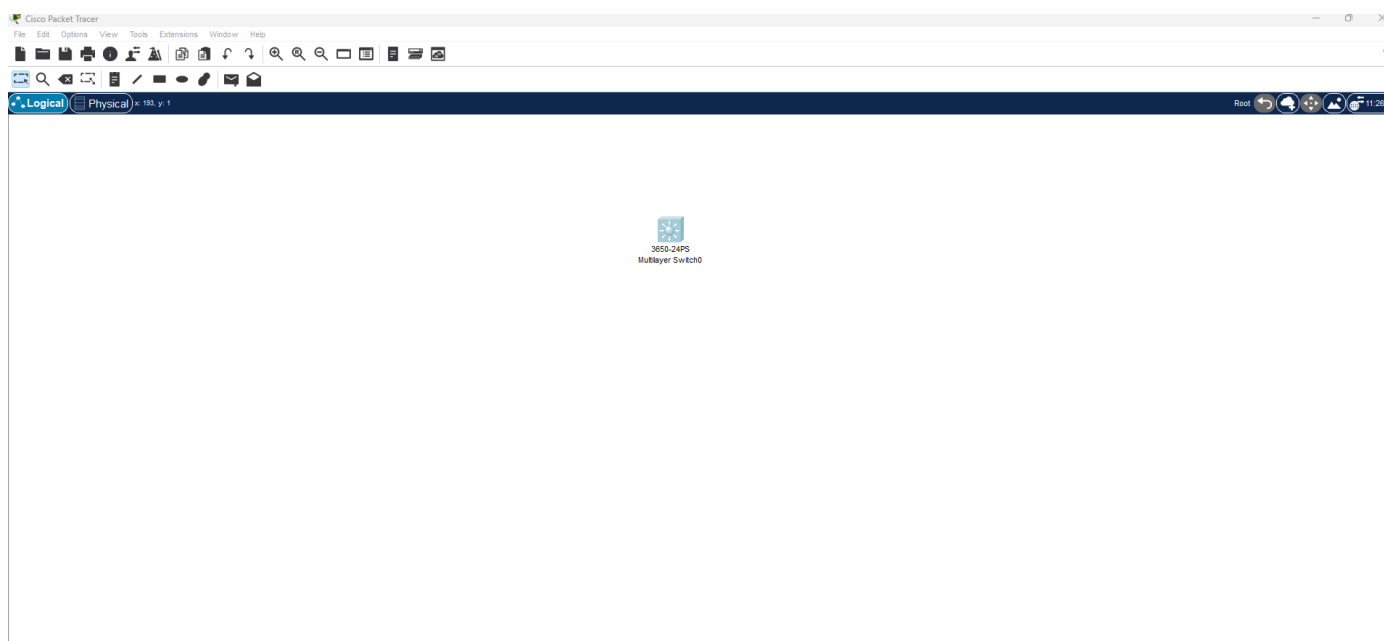
```
Router>enable
Router#
Router#configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#interface GigabitEthernet0/0/0
Router(config-if)#ip address 192.168.1.1 255.255.255.0
Router(config-if)#ip address 192.168.1.1 255.255.255.0
Router(config-if)#no shutdown
Router(config-if)#
%LINK-5-CHANGED: Interface GigabitEthernet0/0/0, changed state to up
```

At the bottom left, there is a checkbox labeled 'Top'.

## Exercice 7 : Configuration d'une interface SVI d'un switch

### Materiel requis

- Un comutateur (Switch)



```
Switch>en
Switch#conf t
Enter configuration commands, one per line.  End with CNTL/Z.
Switch(config)#Vlan 10
Switch(config-vlan)#name "Vlan gestion"
Switch(config-vlan)#exit
Switch(config)#int Vlan 10
Switch(config-if)#
Switch(config-if)#ip address 192.168.1.1 255.255.255.0
Switch(config-if)#no shut
Switch(config-if)#exit
Switch(config)#ip default-gateway 192.168.1.1
Switch(config)#exit
Switch#
Switch#show Vlan
Switch#show ip interface brief
Switch#show ip route
```

- Pour la commande `Switch#show Vlan` le résultat attendu est :

```
Switch#show vlan
```

VLAN	Name	Status	Ports
10	Vlan gestion	active	

VLAN	Type	SAID	MTU	Parent	RingNo	BridgeNo	Stp	BrdgMode	Trans1	Trans2
------	------	------	-----	--------	--------	----------	-----	----------	--------	--------

```

-----
--
10    enet    100010    1500    -    -    -    -    -    0    0

```

- Pour la commande `Switch#show ip interface brief` le résultat attendu est :

```

Switch#show ip interface brief
Interface                IP-Address      OK? Method Status
Protocol
Vlan10                   192.168.1.1    YES manual up

```

- Pour la commande `Switch#show ip route` le résultat attendu est :

```

Switch#show ip route
Default gateway is 192.168.1.1

Host                Gateway          Last Use      Total Uses  Interface
ICMP redirect cache is empty

```

## Exercice 8 : Vérification de la configuration SVI d'un switch cisco

### Matériel requis

- Un comutateur (Switch)
- Pour la commande `Switch#show Vlan` le résultat attendu est :

```

Switch#show vlan

VLAN Name                Status      Ports
-----
10    Vlan gestion          active

```

```

VLAN Type  SAID          MTU    Parent RingNo BridgeNo Stp    BrdgMode Trans1
Trans2
-----
10    enet    100010        1500    -      -      -      -      -      0      0

```

- Pour la commande `Switch#show ip interface brief` le résultat attendu est :

```

Switch#show ip interface brief
Interface                IP-Address      OK? Method Status

```



Protocol			
Vlan10	192.168.1.1	YES manual up	down

- Pour la commande `Switch#show ip route` le résultat attendu est :

```
Switch#show ip route
```

```
Default gateway is 192.168.1.1
```

Host	Gateway	Last Use	Total Uses	Interface
ICMP redirect cache is empty				

---

## Exercice 9 : Changement du Vlan de gestion sur un switch cisco

### Matériel requis

- Un comutateur (Switch)

```
Switch>en
```

```
Switch#conf t
```

```
Enter configuration commands, one per line. End with CNTL/Z.
```

```
Switch(config)#Vlan 10
```

```
Switch(config-vlan)#name Vlan10
```

```
Switch(config-vlan)#exit
```

```
Switch(config)#no Vlan 10
```

```
Switch(config)#
```

---