

# Exo-CLI

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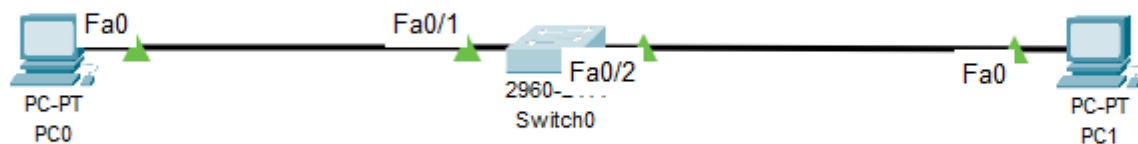
## Prise en main de l'interface CLI

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### Exercice 1 : Configuration du CLI

**\*\* Matériel requi \*\***

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



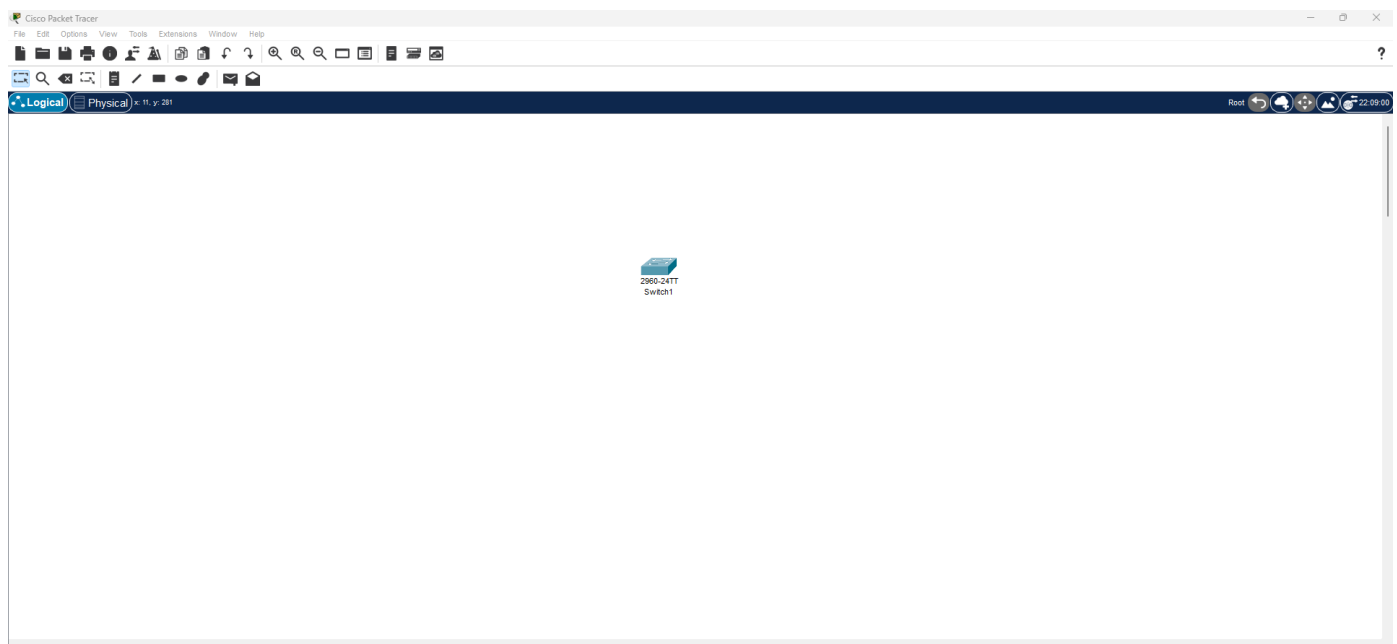
```
Switch>en
Switch#conf t
Enter configuration commands, one per line. End with CNTL/Z.
Switch(config)#Vlan 10
Switch(config-vlan)#int Vlan 10
Switch(config-if)#exit
Switch(config)#int Fa0/1
Switch(config-if)#switchport mode access
Switch(config-if)#switchport access Vlan 10
Switch(config-if)#
```

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

**\*\* Matériel requi \*\***

- Un comutateur (Switch)



- **Mode utilisateur :**

```
Switch>
```

- **Mode Privilegier :**

```
Switch>en
```

```
Switch#
```

- **Retour mode utilisateur :**

Commande pour quitter le mode privilegier

```
Switch#disable
```

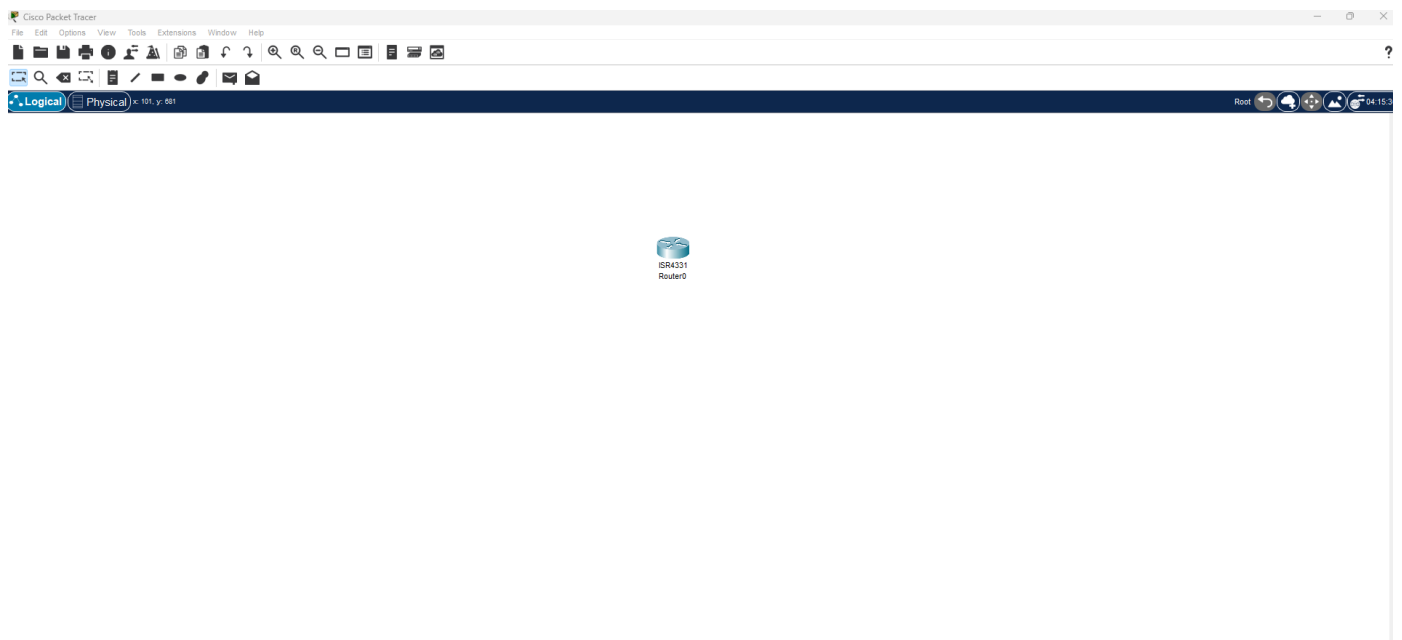
```
Switch>
```

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

**\*\* Matériel requi \*\***

- 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.
```

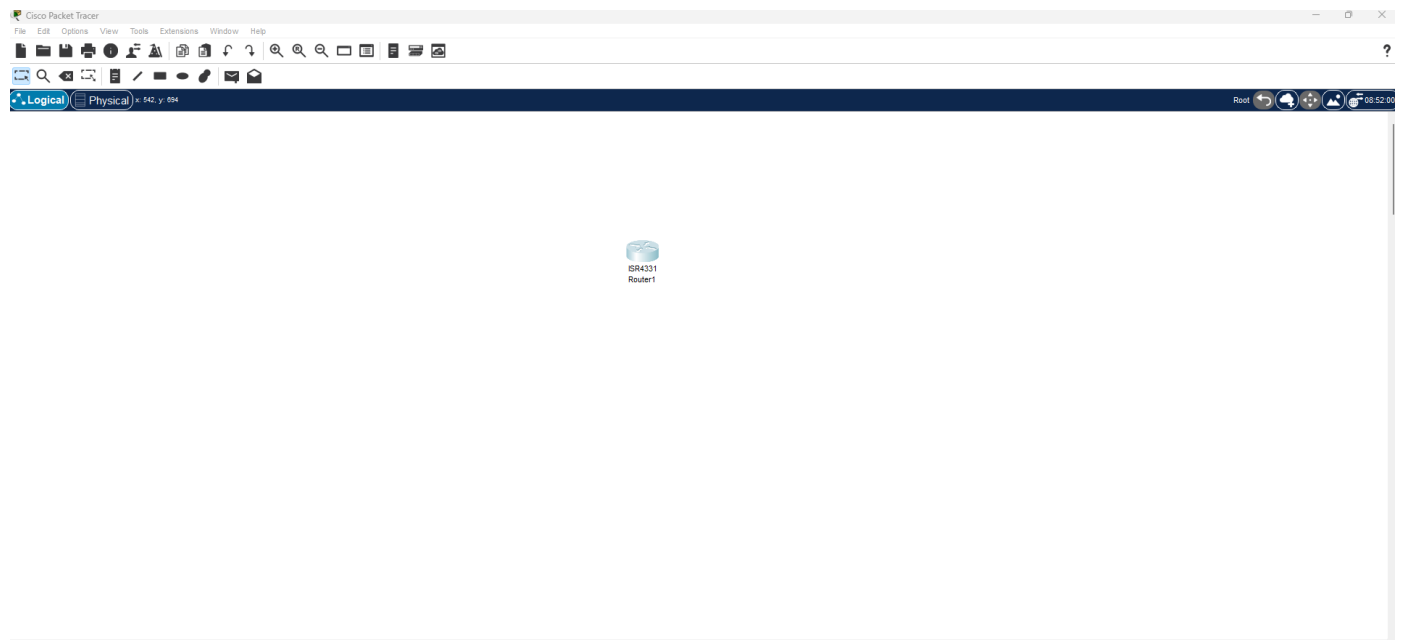
```
Router(config)#exit
```

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

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

**\*\* Matériel requi \*\***

- Un Routeur cisco



- **Mode Privilegier :**

```
Router>en  
Router#
```

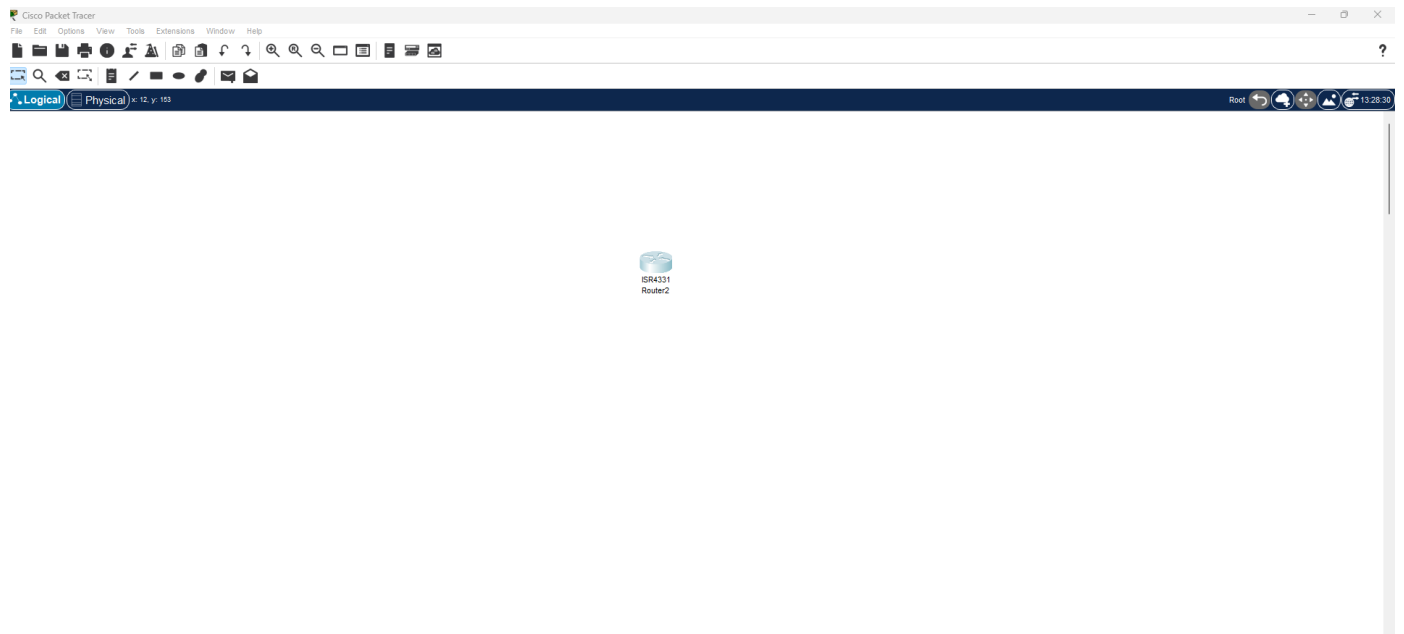
- **Enter mode configuration globale :**

```
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

**\*\* Matériel requi \*\***

- 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 categories: GLOBAL (Settings, Algorithm Settings), ROUTING (Static, RIP), SWITCHING (VLAN Database), and INTERFACE (GigabitEthernet0/0/0, GigabitEthernet0/0/1, GigabitEthernet0/0/2). The main area displays the configuration for GigabitEthernet0/0/0. The 'Port Status' is 'On'. 'Bandwidth' is set to '1000 Mbps'. 'Duplex' is set to 'Full Duplex'. 'MAC Address' is '0050.0FEE.B401'. The 'IP Configuration' section shows 'IPv4 Address' as '192.168.1.1' and 'Subnet Mask' as '255.255.255.0'. The 'Tx Ring Limit' is '10'. Below the configuration, the 'Equivalent IOS Commands' section shows the following commands:

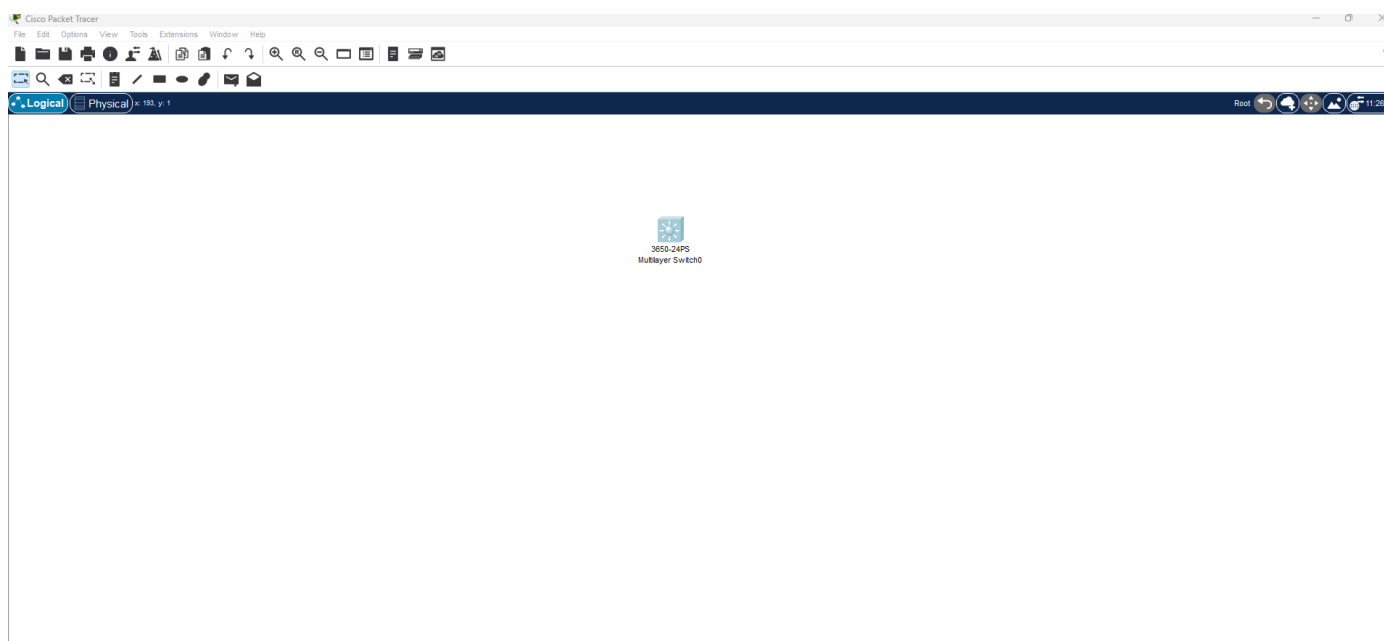
```
Router>enable
Router#
Router#configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#interface GigabitEthernet0/0/0
Router(config-if)#ip address 192.168.1.1 255.255.255.0
Router(config-if)#ip address 192.168.1.1 255.255.255.0
Router(config-if)#no shutdown
Router(config-if)#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

At the bottom left, there is a 'Top' button.

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

**\*\* Matériel requi \*\***

- 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 commutateur (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				

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

**\*\* Matériel requis \*\***

- Un commutateur (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)#
```

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