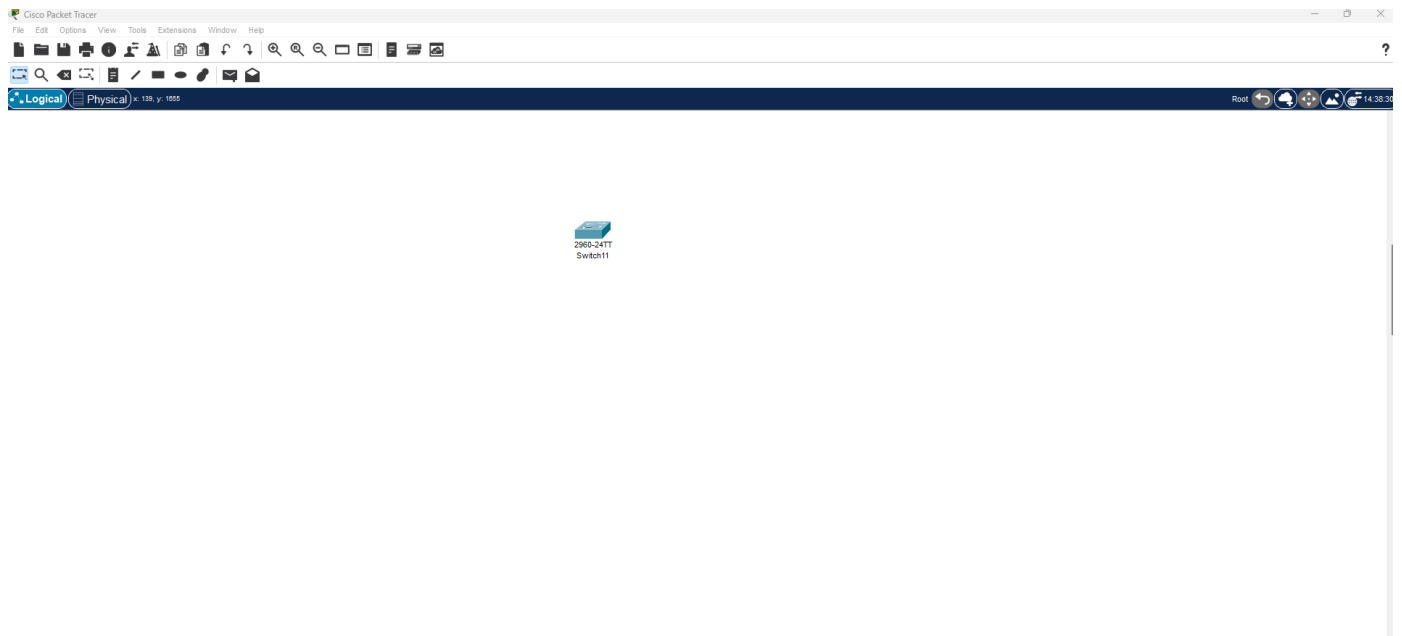


# Exo-Vlan

## Exercice les Vlan avec cisco Packet Tracer

### Exercice 1 : Vérification du Vlan par défaut

#### Model switch 2960



```
Switch>
```

```
Switch>show Vlan brief
```

VLAN	Name	Status	Ports
1	default	active	Fa0/1, Fa0/2, Fa0/3, Fa0/4 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
1002	fddi-default	active	
1003	token-ring-default	active	

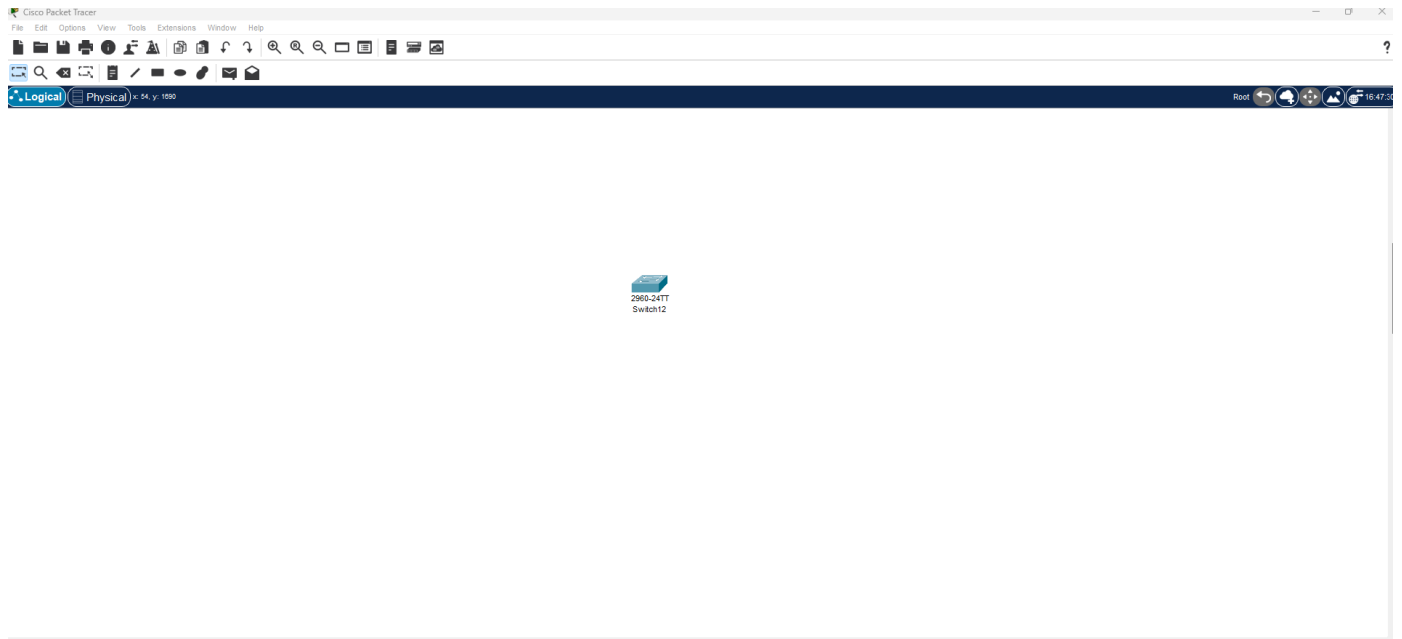
```

1004 fddinet-default      active
1005 trnet-default         active
Switch>

```

## Exercice 2 : Création d'un Vlan de Donner

### Model switch 2960



```

Switch>
Switch>en
Switch#conf t
Switch(config)#Vlan 10
Switch(config-vlan)#name Utilisateur
Switch(config-vlan)#exit
Switch(config)#exit
Switch#
Switch#show Vlan brief

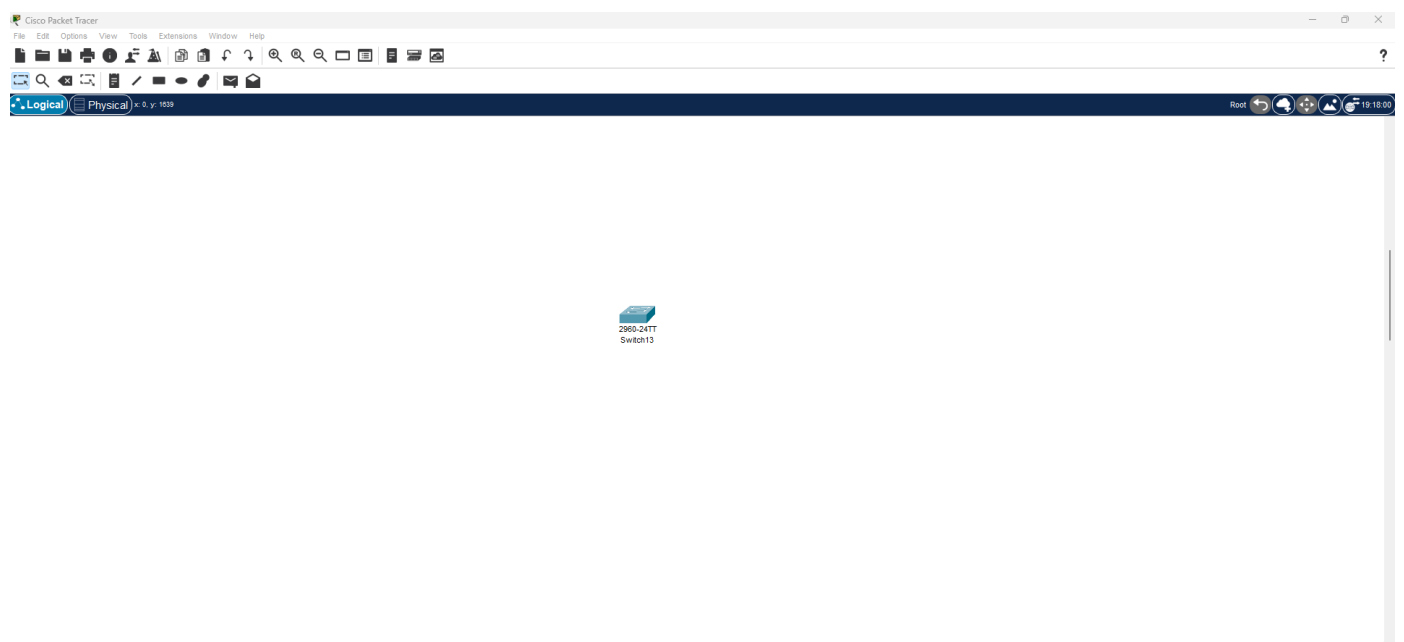
```

VLAN	Name	Status	Ports
1	default	active	Fa0/1, Fa0/2, Fa0/3, Fa0/4 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  
  
10    Utilisateur          active  
1002  fddi-default         active  
1003  token-ring-default   active  
1004  fddinet-default      active  
1005  trnet-default        active  
Switch#
```

## Exercice 3 : Changement du Vlan natif sur un port trunk

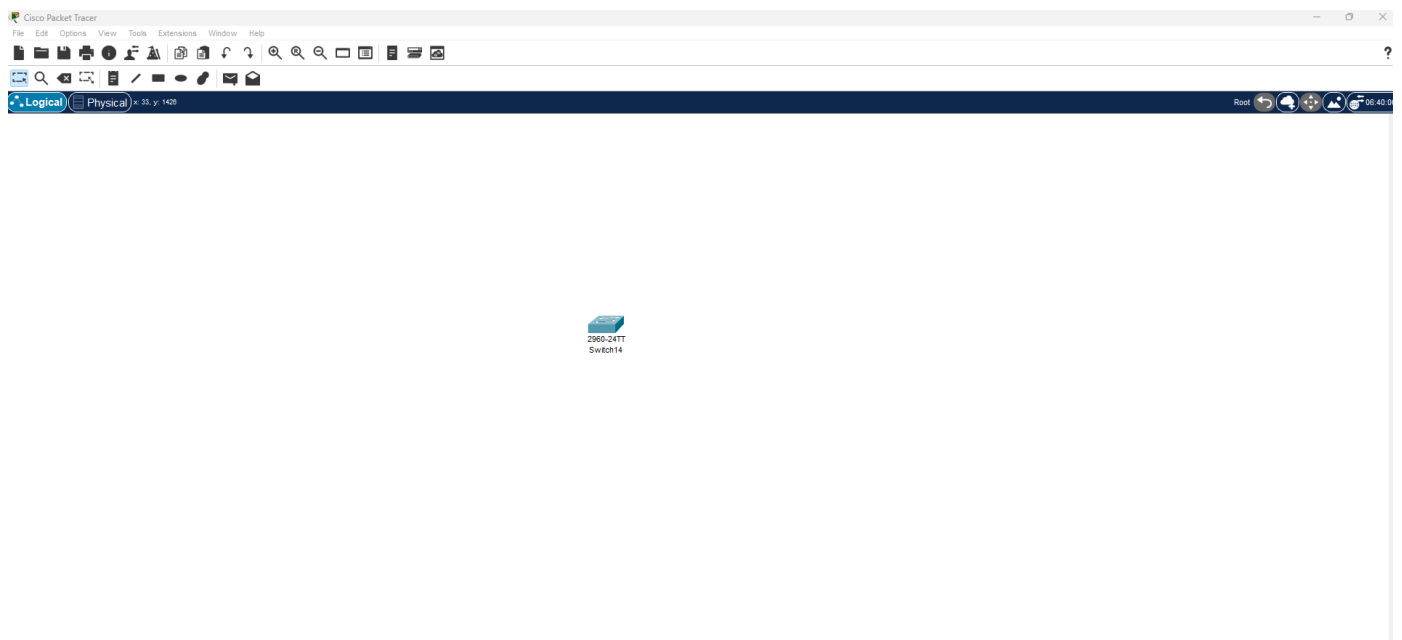
### Model switch 2960



```
Switch>  
Switch>en  
Switch#conf t  
Switch(config)#int gigabitEthernet0/1  
Switch(config-if)#switchport mode trunk  
Switch(config-if)#switchport trunk native Vlan 99  
Switch(config-if)#exit  
Switch(config)#exit  
Switch#  
Switch#show interface trunk  
Switch#
```

## Exercice 4 : Configuration d'un Vlan de gestion

### Model switch 2960



```
Switch>
Switch>en
Switch#conf t
Switch(config)#Vlan 20
Switch(config-vlan)#name Gestion
Switch(config-vlan)#exit
Switch(config)#int g0/1
Switch(config-if)#switchport mode access
Switch(config-if)#switchport access Vlan 20
Switch(config-if)#exit
Switch(config)#int Vlan 20
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)#exit
Switch#
Switch#show Vlan
```

```
VLAN Name                               Status      Ports
-----
20    Gestion                             active      Gig0/1

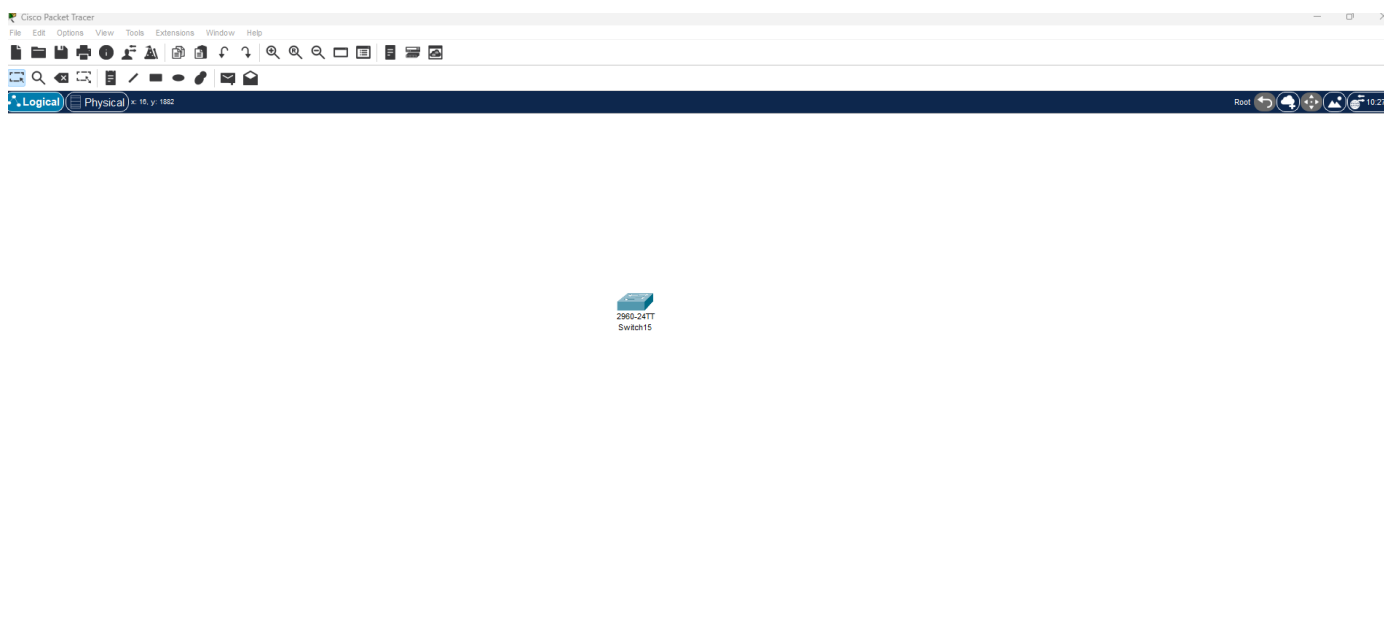
VLAN Type   SAID       MTU     Parent RingNo BridgeNo  Stp   BrdgMode Trans1
Trans2
-----
```

```
20    enet    100020    1500    -    -    -    -    -    0    0
```

```
Switch#
```

## Exercice 5 : Création d'un Vlan voix

### Model switch 2960



```
Switch>
Switch>en
Switch#conf t
Switch(config)#Vlan 30
Switch(config-vlan)#name Voix
Switch(config-vlan)#exit
Switch(config)#int g0/1
Switch(config-if)#switchport mode access
Switch(config-if)#switchport access Vlan 30
Switch(config-if)#exit
Switch(config)#mls qos
Switch(config)#exit
Switch#
Switch#show Vlan brief
```

VLAN	Name	Status	Ports
30	Voix	active	Gig0/1

```
Switch#show interface gigabitEthernet0/1 switchport
```

```
Name: Gig0/1
Switchport: Enabled
Administrative Mode: static access
Operational Mode: down
Administrative Trunking Encapsulation: dot1q
Operational Trunking Encapsulation: native
Negotiation of Trunking: Off
Access Mode VLAN: 30 (Voix)
Trunking Native Mode VLAN: 1 (default)
Voice VLAN: none
Administrative private-vlan host-association: none
Administrative private-vlan mapping: none
Administrative private-vlan trunk native VLAN: none
Administrative private-vlan trunk encapsulation: dot1q
Administrative private-vlan trunk normal VLANs: none
Administrative private-vlan trunk private VLANs: none
Operational private-vlan: none
Trunking VLANs Enabled: All
Pruning VLANs Enabled: 2-1001
Capture Mode Disabled
Capture VLANs Allowed: ALL
Protected: false
Unknown unicast blocked: disabled
Unknown multicast blocked: disabled
Appliance trust: none

Switch#
```

## Exercice 6 : Vérification des Vlan créer

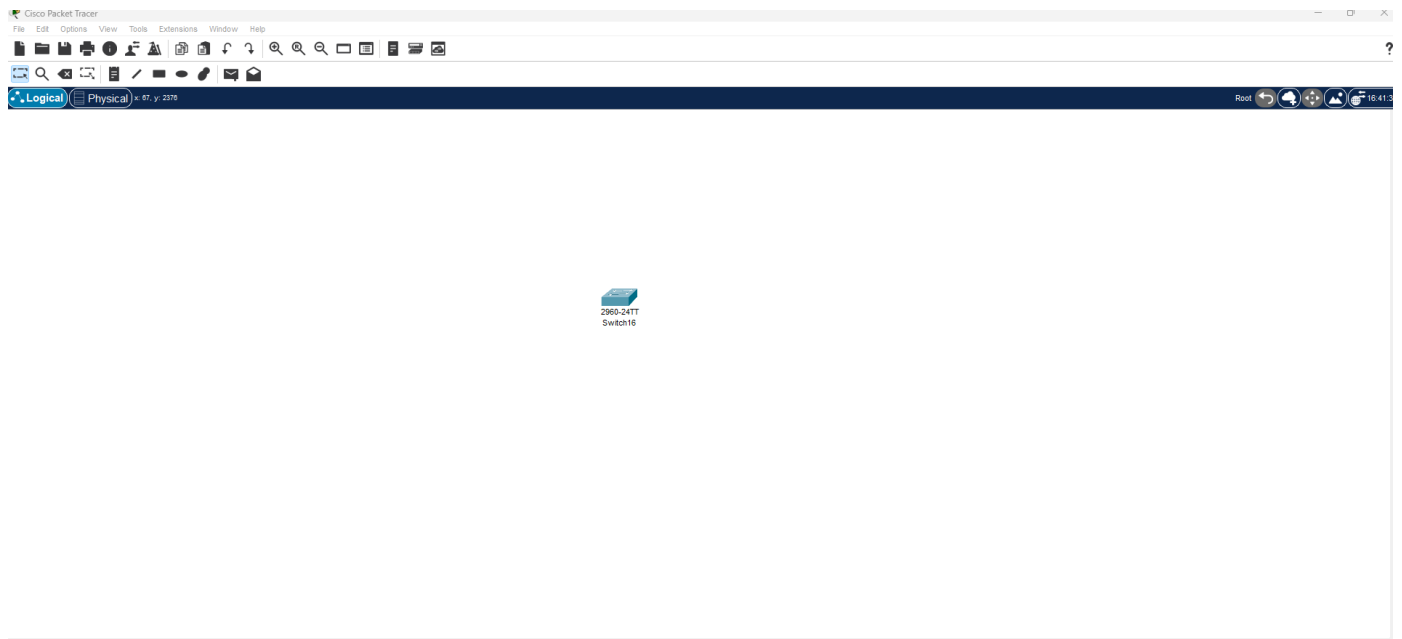
### Model switch 2960

```
Switch#show vlan brief
```

VLAN	Name	Status	Ports
30	Voix	active	Gig0/1

## Exercice 7 : Modification de l'appartenance d'un port a un Vlan

## Model switch 2960



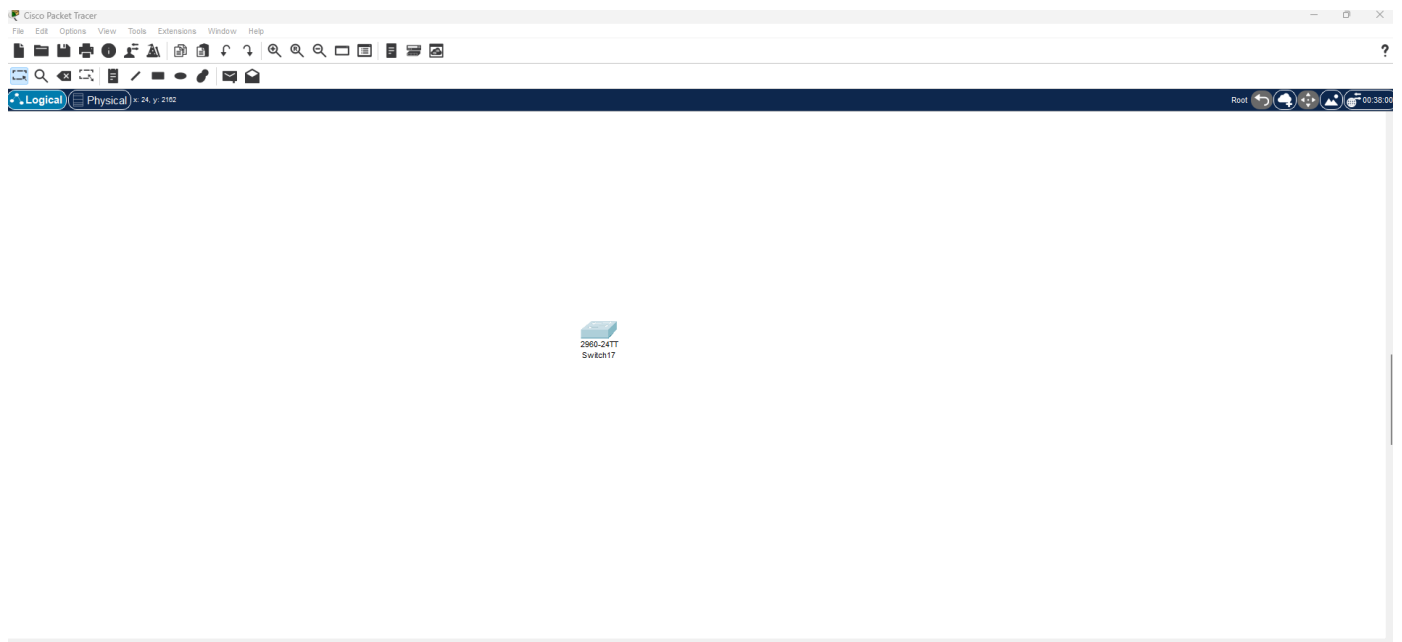
```
Switch>en
Switch#conf t
Switch(config)#Vlan 10
Switch(config-vlan)#name "Vlan Exo"
Switch(config-vlan)#exit
Switch(config)#int g0/1
Switch(config-if)#switchport mode access
Switch(config-if)#switchport access Vlan 10
Switch(config-if)#exit
Switch(config)#int Fa0/1
Switch(config-if)#switchport mode access
Switch(config-if)#switchport access Vlan 10
Switch(config-if)#exit
Switch(config)#exit
Switch#
Switch#show interfaces status
```

Port	Name	Status	Vlan	Duplex	Speed	Type
Fa0/1		notconnect	10	auto	auto	
10/100	BaseTX					

```
Switch#
```

## Exercice 8 : Suppr tion d'un Vlan de Donner

### Model switch 2960



```
Switch>
Switch>en
Switch#conf t
Switch(config)#Vlan 10
Switch(config-vlan)#exit
Switch(config)#int Fa0/1
Switch(config-if)#switchport access Vlan 1
Switch(config-if)#exit
Switch(config)#no Vlan 10
Switch(config)#exit
Switch#
Switch#show vlan brief
```

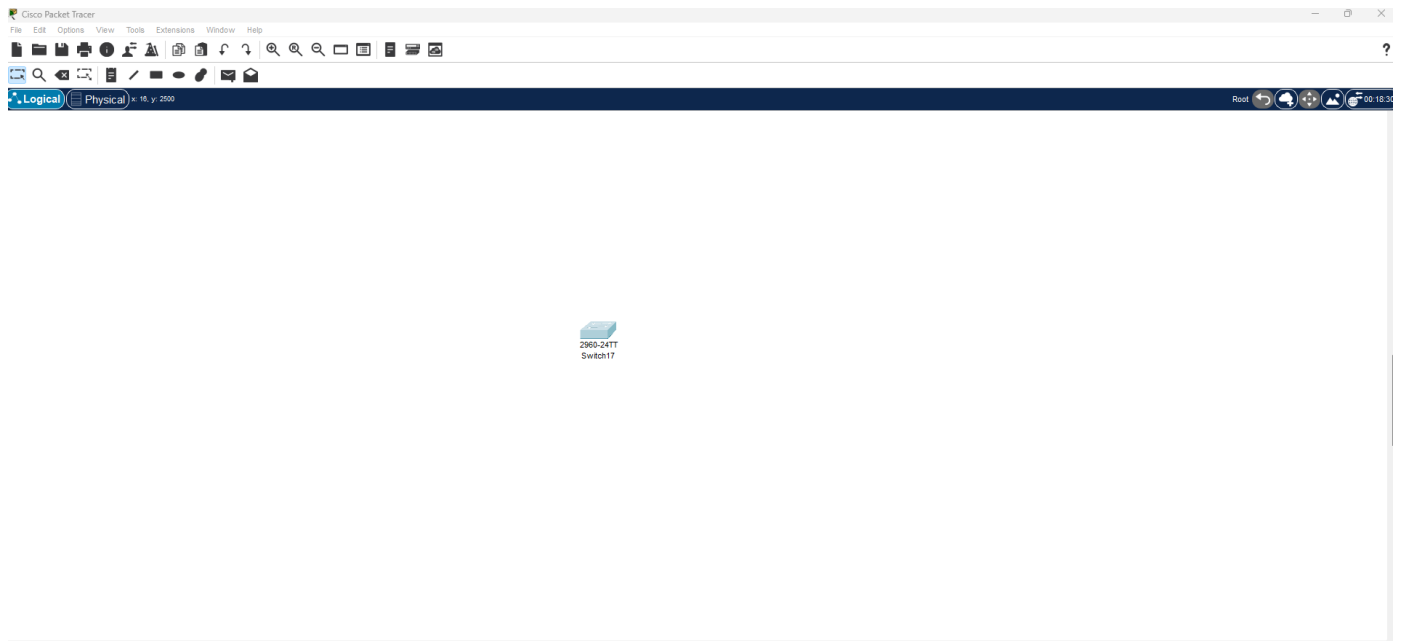
VLAN Name	Status	Ports
1 default	active	Fa0/1, Fa0/2, Fa0/3, Fa0/4 Fa0/5, Fa0/6, Fa0/7, Fa0/8 Fa0/9, Fa0/10, Fa0/11, Fa0/12 Fa0/13, Fa0/14, Fa0/15, Fa0/16 Fa0/17, Fa0/18, Fa0/19, Fa0/20 Fa0/21, Fa0/22, Fa0/23, Fa0/24 Gig0/1, Gig0/2
1002 fddi-default	active	
1003 token-ring-default	active	



```
1004 fddinet-default          active
1005 trnet-default             active
Switch#
```

## Exercice 9 : Réaffectation des port après la suppression d'un Vlan

### Model switch 2960



```
Switch>
Switch>en
Switch#conf t
Switch(config)#int g0/1
Switch(config-if)#switchport access Vlan 1
Switch(config-if)#exit
Switch(config)#exit
Switch#
Switch#show vlan brief
```

VLAN	Name	Status	Ports
1	default	active	Fa0/1, Fa0/2, Fa0/3, Fa0/4 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

Switch#

---