VOICE IP- TOPOLOGIE CISCO

ID: ID_8tp4
Number of Columns: 2
Largest Column: standard
border: off

🔍 Author and contact:

TCHAMKO MBUGUA LAGHOM CHABRELL
OlONGO CYNTHIA BERNADETTE
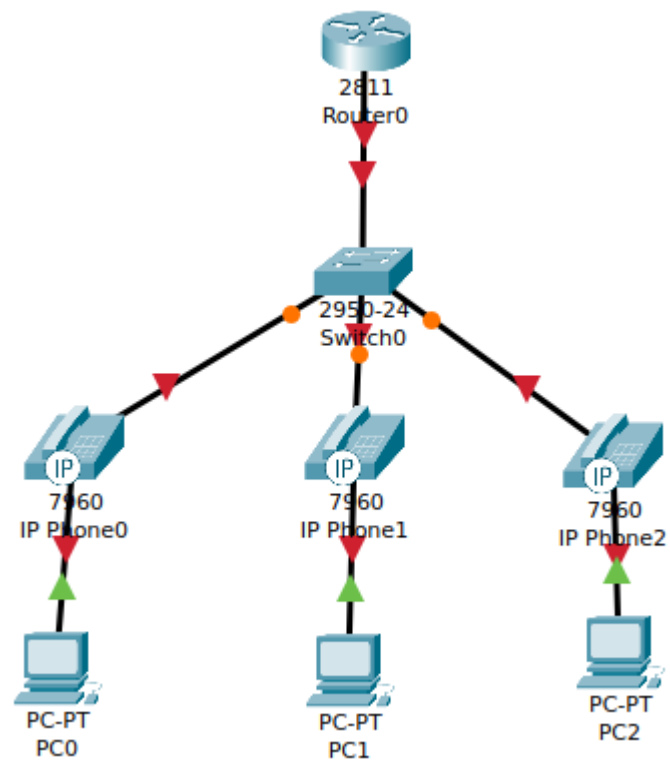MARCELLE ORLANE
I.D.: 20P165
chablaghom@gmail.com

🔍 Supervisor

Pr. VIDEME

0.1. Sommaire

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0.1. Topologie Logique
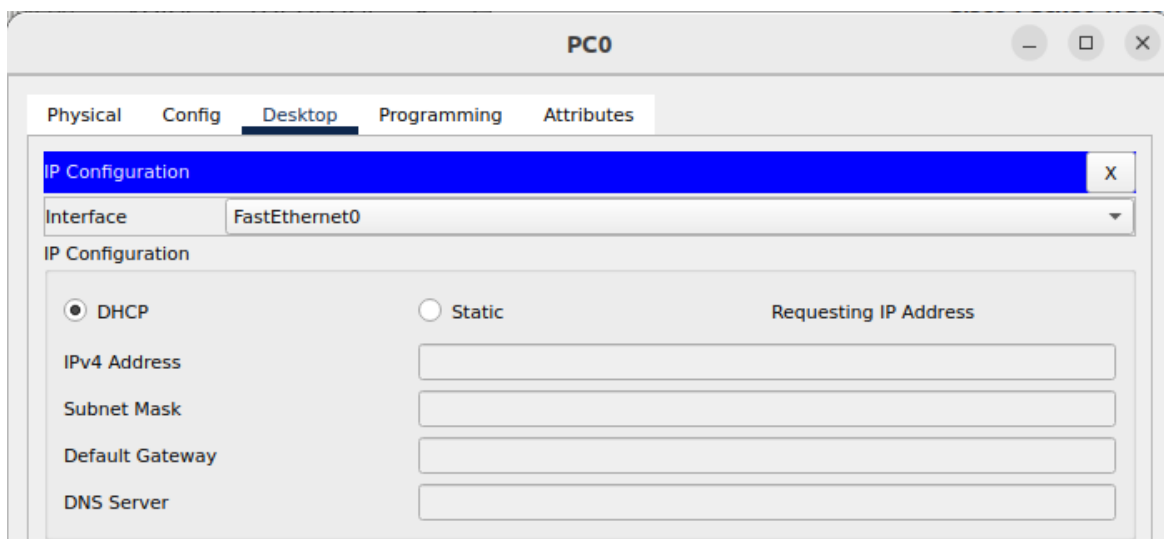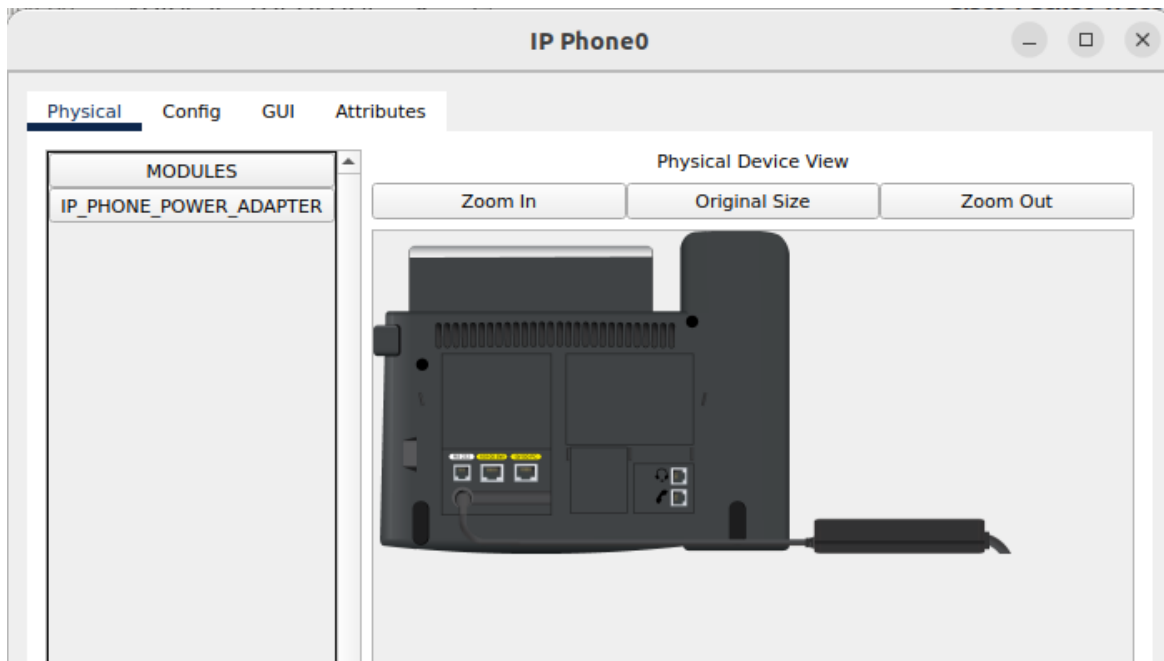
0.1. Configuration

NB : - Alimenter les phones et Mettre le mode DHCP sur les PCs

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Commande - Switch :

✏️ Vlan - Port Access - Port Trunk:

en
config t
vlan 10
name Data
exit
vlan 20

```
name Voice
exit
vlan 50
name NATIVE
exit
int fa0/4
switchport mode trunk
no sh
exit
int range fa0/1-3
switchport mode access
switchport access vlan 10
switchport voice vlan 20
no sh
exit
do copy run start
```

Résultat :

```
Switch(config-if)#do sh vlan

VLAN Name                             Status    Ports
---- -------------------------------- --------- -------------------------------
1    default                          active    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
10   Data                             active    Fa0/1, Fa0/2, Fa0/3
20   Voice                            active    Fa0/1, Fa0/2, Fa0/3
50   NATIVE                           active
1002 fddi-default                     active
1003 token-ring-default               active
1004 fddinet-default                  active
1005 trnet-default                    active
```

```
Switch(config-if)#do sh int tr
Port          Mode          Encapsulation  Status         Native vlan
Fa0/4         on            802.1q         trunking       1

Port          Vlans allowed on trunk
Fa0/4         1-1005

Port          Vlans allowed and active in management domain
Fa0/4         1,10,20,50

Port          Vlans in spanning tree forwarding state and not pruned
Fa0/4         none
```

Commande - Router :

✏️ Sous- Interface:

```
int fa0/0.10
encapsulation dot1q 10
ip add 192.168.10.1 255.255.255.0
no sh
int fa0/0.20
```

```
encapsulation dot1q 20
ip add 192.168.20.1 255.255.255.0
no sh
exit
int fa0/0.50
encapsulation dot1q 50 native
no sh
exit
```

✏️ DHCP:

```
ip dhcp excluded-address 192.168.10.1
ip dhcp excluded-address 192.168.20.1
ip dhcp pool Data10
network 192.168.10.0 255.255.255.0
default-router 192.168.10.1
dns-server 8.8.8.8
exit
ip dhcp pool Voice20
network 192.168.20.0 255.255.255.0
default-router 192.168.20.1
option 150 ip 192.168.20.1
dns-server 8.8.8.8
exit
```

✏️ Telephony-Service:

```
telephony-service
max-dn 3
max-ephones 3
ip source-address 192.168.20.1 port 2000
ephone-dn 1
number 1010
ephone-dn 2
number 1020
ephone-dn 3
number 1030
exit
ephone 1
type 7960
button 1:1
ephone 2
type 7960
button 1:2
ephone 3
type 7960
button 1:3
exit
do copy run start
```

Résultat :

UI   **Attributes**

CISCO IP PHONE
7960

00:08a 03/01/93   1020

Do
Re
Mi

messages   directories

services   settings

VOLUME

HEADSET   MUTE   SPEAKER

Test appel :