TC6 TP - RÉSEAU LOCAL

SEGMENTÉ EN VLANS
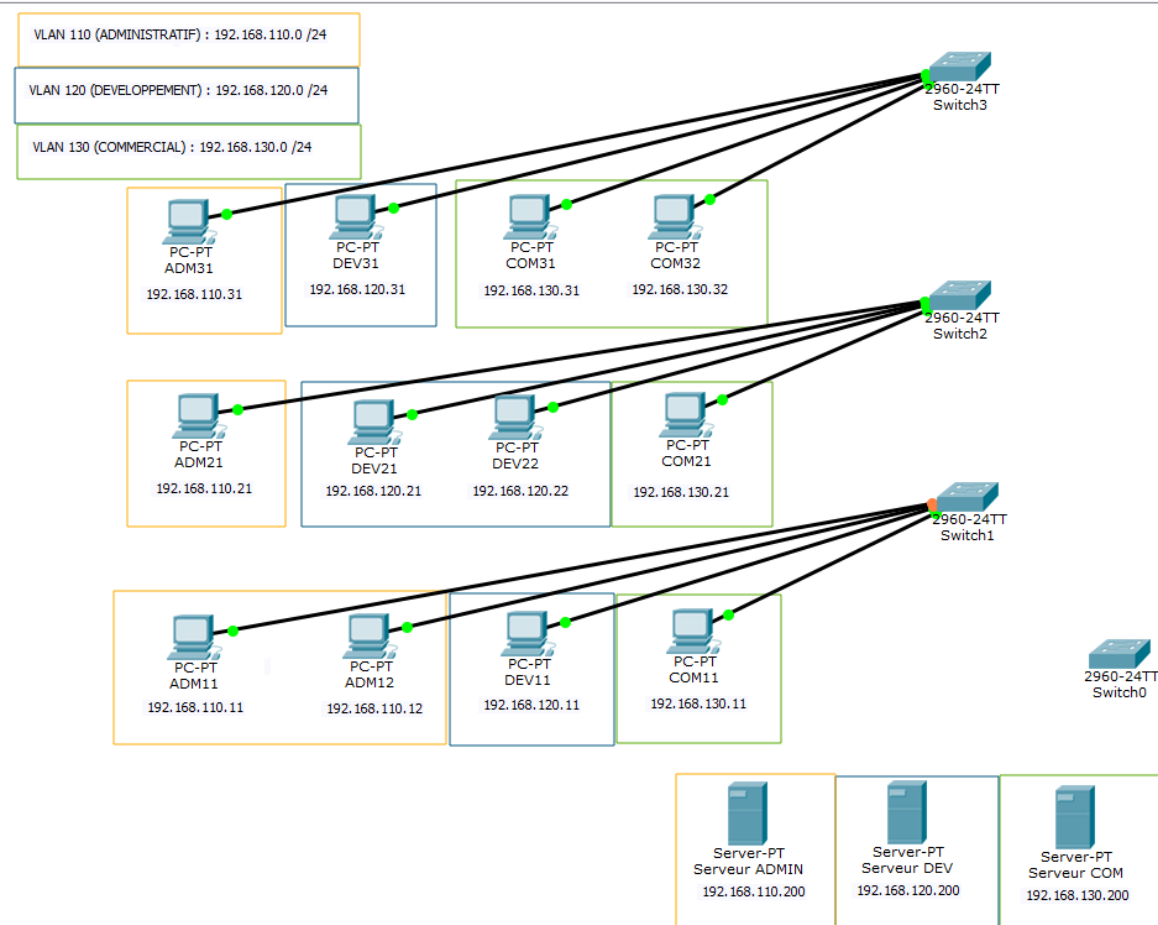
SARACOUSTI Mohamed Amine
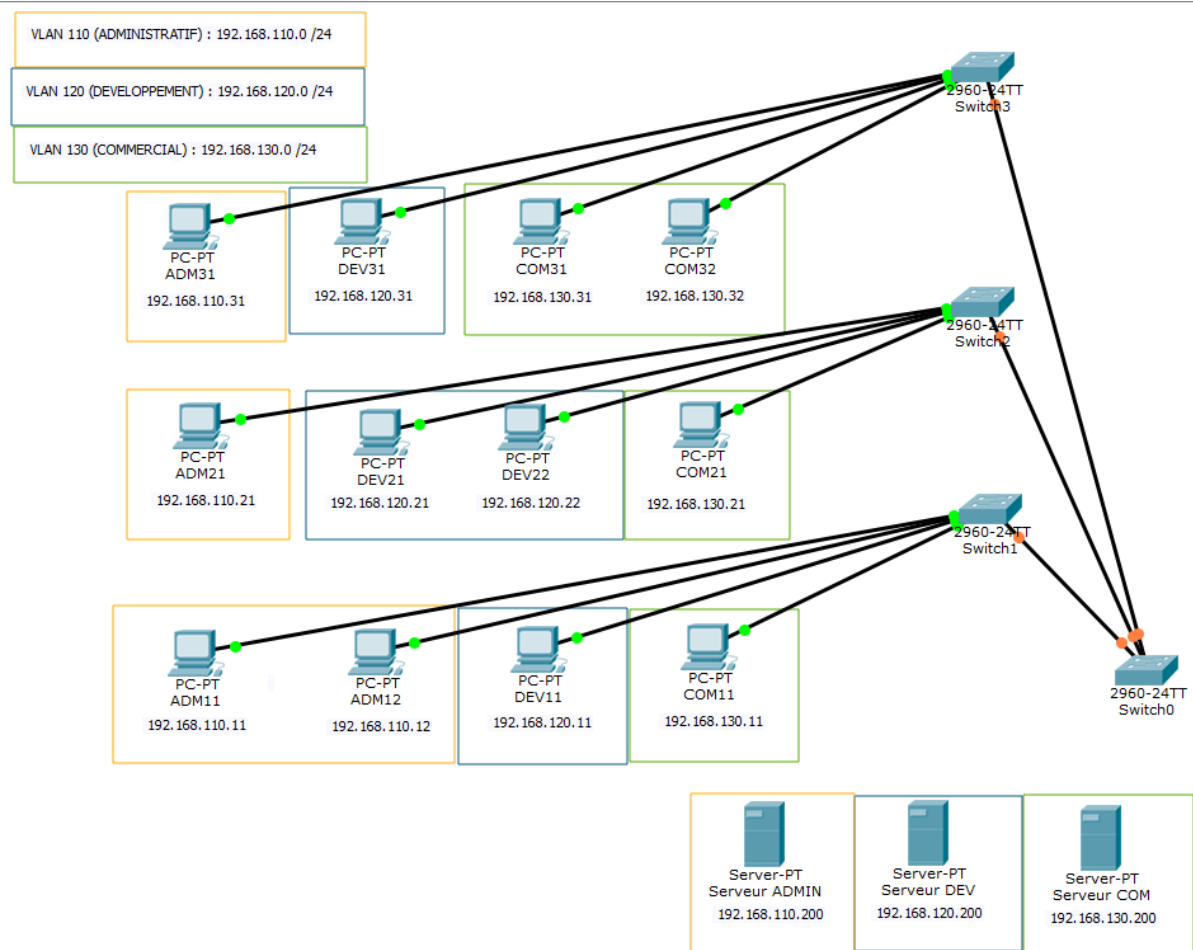
BTS SIO

Etape 1 :

1. Connecter les postes à un port cohérent avec son appartenance au service

VLAN 110 (ADMINISTRATIF) : 192.168.110.0 /24

VLAN 120 (DEVELOPPEMENT) : 192.168.120.0 /24

VLAN 130 (COMMERCIAL) : 192.168.130.0 /24

2960-24TT
Switch3

PC-PT ADM31 — 192.168.110.31
PC-PT DEV31 — 192.168.120.31
PC-PT COM31 — 192.168.130.31
PC-PT COM32 — 192.168.130.32

2960-24TT
Switch2

PC-PT ADM21 — 192.168.110.21
PC-PT DEV21 — 192.168.120.21
PC-PT DEV22 — 192.168.120.22
PC-PT COM21 — 192.168.130.21

2960-24TT
Switch1

PC-PT ADM11 — 192.168.110.11
PC-PT ADM12 — 192.168.110.12
PC-PT DEV11 — 192.168.120.11
PC-PT COM11 — 192.168.130.11

2960-24TT
Switch0

Server-PT Serveur ADMIN — 192.168.110.200
Server-PT Serveur DEV — 192.168.120.200
Server-PT Serveur COM — 192.168.130.200

2. Configurer les switchs en respectant le cahier des charges.


```
VLAN 110 (ADMINISTRATIF) : 192.168.110.0 /24
VLAN 120 (DEVELOPPEMENT) : 192.168.120.0 /24
VLAN 130 (COMMERCIAL) : 192.168.130.0 /24
```

3. Déclarer les VLAN.

```
Switch(config)#vlan 130
Switch(config-vlan)#name COMMERCIAL
Switch(config-vlan)#exit

Switch(config)#vlan 120
Switch(config-vlan)#name DEVELOPPEMENT
Switch(config-vlan)#exit

Switch(config)#vlan 110
Switch(config-vlan)#name ADMINISTRATIF
Switch(config-vlan)#exit
```

RATTACHER UN PORT à un VLAN :

```
interface range fa0/1-6
switch mode access
switchport access vlan 110
exit


interface range fa0/7-12
switch mode access
switchport access vlan 120
exit

interface range fa0/13-18
switch mode access
switchport access vlan 130
exit
```

Résultat dans la running-config :
```
interface range fa0/1-6
switch mode access
switchport access vlan 110
exit

interface range fa0/7-12
switch mode access
switchport access vlan 120
exit

interface range fa0/13-18
switch mode access
switchport access vlan 130
exit
```

• RATTACHER UN ensemble de PORTS à un VLAN

interface range fa0/1-6
switchport mode access
switchport access vlan 110
exit

```
Enter configuration commands, one per line.  End with CNTL/Z.
Switch(config)# interface fa0/24
Switch(config-if)#switchport mode trunk
Switch(config-if)# exit
Switch(config)#
```

interface range fa0/21-24
switchport mode trunk
 exit

VLAN 130		1	Switching
✔ VLAN Name	Correct	1	Switching
Switch1			
Ports			
FastEthernet0/1			
✔ Access VLAN	Correct	1	Switching
Link to ADM11		0	Physical
✘ Connects to FastEther...	Incorrect	1	Physical
FastEthernet0/13			
✔ Access VLAN	Correct	1	Switching
Link to COM11		0	Physical
✔ Connects to FastEther...	Correct	1	Physical
FastEthernet0/2			
✔ Access VLAN	Correct	1	Switching
Link to ADM12		0	Physical
✘ Connects to FastEther...	Incorrect	1	Physical
FastEthernet0/24		0	Other
✔ Port Mode	Correct	1	Other
FastEthernet0/7			
✔ Access VLAN	Correct	1	Switching
Link to DEV11		0	Physical
✔ Connects to FastEther...	Correct	1	Physical
VLANS			
VLAN 110		1	Switching
✔ VLAN Name	Correct	1	Switching