

## **Configuration du Routeur (R1)**

```
enable

configure terminal

# --- Interface Gig0/1 (VLAN 10 - Production) ---

interface GigabitEthernet0/1

no shutdown

interface GigabitEthernet0/1.10

encapsulation dot1Q 10

ip address 192.168.10.1 255.255.255.224

exit

interface GigabitEthernet0/2

no shutdown

interface GigabitEthernet0/2.20

encapsulation dot1Q 20

ip address 192.168.20.1 255.255.255.224

exit

# --- Configuration DHCP ---

# Exclusion des adresses des passerelles

ip dhcp excluded-address 192.168.10.1

ip dhcp excluded-address 192.168.20.1

# Pool pour le VLAN 10

ip dhcp pool POOL_PROD

network 192.168.10.0 255.255.255.224

default-router 192.168.10.1

dns-server 8.8.8.8

exit

# Pool pour le VLAN 20

ip dhcp pool POOL_ADMIN

network 192.168.20.0 255.255.255.224

default-router 192.168.20.1

dns-server 8.8.8.8

exit
```

## **Configuration du Switch 1 (SW1 - Production)**

enable

configure terminal

# Création du VLAN

vlan 10

name Production

exit

# Port vers PC1 (Accès)

interface FastEthernet0/1

switchport mode access

switchport access vlan 10

spanning-tree portfast

exit

# Port vers R1 (Trunk)

interface GigabitEthernet0/1

switchport mode trunk

exit

## **Configuration du Switch 2 (SW2 - Administration)**

enable

configure terminal

# Création du VLAN

vlan 20

name Administration

exit

# Port vers PC2 (Accès)

interface FastEthernet0/1

switchport mode access

switchport access vlan 20

spanning-tree portfast

exit

# Port vers R1 (Trunk)

interface GigabitEthernet0/2

switchport mode trunk

exit