Configuration des Commutateurs L2 (2960X) et L3 (3750)

Sur le Commutateur SW-2 (2960X)

```
!
spanning-tree mode rapid-pvst
!
interface range gigabitEthernet1/0/1 , gigabitEthernet1/0/3
 channel-group 2 mode active
 no switchport nonegotiate
 switchport mode trunk
 speed auto
 duplex auto
 switchport trunk allowed vlan 100,120,140,160,180,190
 no shutdown
!
interface range gigabitEthernet1/0/2 , gigabitEthernet1/0/4
 channel-group 3 mode active
 no switchport nonegotiate
 switchport mode trunk
 speed 100
 duplex auto
 switchport trunk allowed vlan 100,120,140,160,180,190
 no shutdown
!
!
!
interface range gigabitEthernet1/0/5 , gigabitEthernet1/0/7 , gigabitEthernet1/0/9
 switchport mode access
 switchport access vlan 100
!
interface range gigabitEthernet1/0/6 , gigabitEthernet1/0/8 ,
gigabitEthernet1/0/10
 switchport mode access
 switchport access vlan 120
!
interface range gigabitEthernet1/0/11 , gigabitEthernet1/0/13 ,
gigabitEthernet1/0/15
 switchport mode access
 switchport access vlan 140
!
interface range gigabitEthernet1/0/12 , gigabitEthernet1/0/14 ,
gigabitEthernet1/0/16
 switchport mode access
 switchport access vlan 160
!
interface range gigabitEthernet1/0/17 , gigabitEthernet1/0/19 ,
gigabitEthernet1/0/21
```

```
 switchport mode access
 switchport access vlan 180
!
interface range gigabitEthernet1/0/18 , gigabitEthernet1/0/20 ,
gigabitEthernet1/0/22
 switchport mode access
 switchport access vlan 190
!
interface range gigabitEthernet1/0/23 , gigabitEthernet1/0/24
 switchport mode access
 switchport access vlan 999
!
interface Vlan 100
description services
no shutdown
exit
!
interface Vlan 120
description compatibilite
no shutdown
exit
!
interface Vlan 140
description administratif
no shutdown
exit
!
interface Vlan 160
description vente
no shutdown
exit
!
interface Vlan 180
description supervision
no shutdown
exit
!
interface Vlan 190
description administrateurinformatique
ip address 192.168.190.1 255.255.255.0
no shutdown
exit
!
interface Vlan 999
description Securite
no shutdown
exit
!
```

Sur le Commutateur SW-1 (2960X)

```
!
spanning-tree mode rapid-pvst
!
interface range gigabitEthernet1/0/1 , gigabitEthernet1/0/3
 channel-group 1 mode active
 no switchport nonegotiate
 switchport mode trunk
 speed auto
 duplex auto
 switchport trunk allowed vlan 100,120,140,160,180,190
 no shutdown
!
interface range gigabitEthernet1/0/2 , gigabitEthernet1/0/4
 channel-group 3 mode active
 no switchport nonegotiate
 switchport mode trunk
 speed 100
 duplex auto
 switchport trunk allowed vlan 100,120,140,160,180,190
 no shutdown
!
!
!
interface range gigabitEthernet1/0/5 , gigabitEthernet1/0/7 , gigabitEthernet1/0/9
 switchport mode access
 switchport access vlan 100
 no shutdown
!
interface range gigabitEthernet1/0/6 , gigabitEthernet1/0/8 ,
gigabitEthernet1/0/10
 switchport mode access
 switchport access vlan 120
 no shutdown
!
interface range gigabitEthernet1/0/11 , gigabitEthernet1/0/13 ,
gigabitEthernet1/0/15
 switchport mode access
 switchport access vlan 140
 no shutdown
!
interface range gigabitEthernet1/0/12 , gigabitEthernet1/0/14 ,
gigabitEthernet1/0/16
 switchport mode access
 switchport access vlan 160
!
interface range gigabitEthernet1/0/17 , gigabitEthernet1/0/19 ,
gigabitEthernet1/0/21
 switchport mode access
 switchport access vlan 180
 no shutdown
!
interface range gigabitEthernet1/0/18 , gigabitEthernet1/0/20 ,
gigabitEthernet1/0/22
```

```
 switchport mode access
 switchport access vlan 190
 no shutdown
!
interface range gigabitEthernet1/0/23 , gigabitEthernet1/0/24
 switchport mode access
 switchport access vlan 999
 no shutdown
!
interface Vlan 100
description services
no shutdown
exit
!
interface Vlan 120
description compatibilite
no shutdown
exit
!
interface Vlan 140
description administratif
no shutdown
exit
!
interface Vlan 160
description vente
no shutdown
exit
!
interface Vlan 180
description supervision
no shutdown
exit
!
interface Vlan 190
description administrateurinformatique
ip address 192.168.190.1 255.255.255.0
no shutdown
exit
!
interface Vlan 999
description Securite
no shutdown
exit
!
```

Sur le Commutateur L3/L2 (3750)

```
!
!
spanning-tree vlan 1-4094 priority 4096
```

```
!
interface range Fa2/0/1 - 24
 spanning-tree portfast
 spanning-tree bpduguard enable
!
ip routing
!
interface range Fa2/0/1 , Fa2/0/3
 channel-group 2 mode active
 switchport trunk encapsulation dot1q
 switchport mode trunk
 no switchport nonegotiate
 speed auto
 duplex auto
 switchport trunk allowed vlan 100,120,140,160,180,190
 no shutdown
!
interface range Fa2/0/2 , Fa2/0/4
 channel-group 1 mode active
 switchport trunk encapsulation dot1q
 switchport mode trunk
 no switchport nonegotiate
 speed auto
 duplex auto
 switchport trunk allowed vlan 100,120,140,160,180,190
 no shutdown
!
interface range Fa2/0/11 , Fa2/0/12
 switchport mode access
 switchport access vlan 140
 no shutdown
 speed auto
 duplex auto
!
!
interface Vlan 100
description Services
no shutdown
exit
!
interface Vlan 120
description Compatibilite
no shutdown
exit
!
interface Vlan 140
description Administratif
no shutdown
exit
!
interface Vlan 160
description Vente
no shutdown
exit
```

```
!
interface Vlan 180
description Supervision
no shutdown
exit
!
interface Vlan 190
description Administrateurinformatique
ip address 192.168.190.1 255.255.255.0
no shutdown
exit
!
interface Vlan 999
description Securite
no shutdown
exit
!
!
ip dhcp excluded-address 192.168.120.1
ip dhcp excluded-address 192.168.140.1
ip dhcp excluded-address 192.168.160.1
ip dhcp excluded-address 192.168.180.1
ip dhcp excluded-address 192.168.190.1
ip dhcp excluded-address 192.168.99.1
!
ip dhcp pool VLAN120
   network 192.168.120.0 255.255.255.0
   default-router 192.168.120.1
   dns-server 192.168.120.1

ip dhcp pool VLAN140
   network 192.168.140.0 255.255.255.0
   default-router 192.168.140.1
   dns-server 192.168.140.1

ip dhcp pool VLAN160
   network 192.168.160.0 255.255.255.0
   default-router 192.168.160.1
   dns-server 192.168.160.1

ip dhcp pool VLAN180
   network 192.168.180.0 255.255.255.0
   default-router 192.168.180.1
   dns-server 192.168.180.1

ip dhcp pool VLAN190
   network 192.168.190.0 255.255.255.0
   default-router 192.168.190.1
   dns-server 192.168.190.1

ip dhcp pool VLAN999
   network 192.168.99.0 255.255.255.0
   default-router 192.168.99.1
   dns-server 192.168.99.1
```

```
!
!
```

Configuration du Routeur Lan/Wan (2911)

Routage statique vers la Box

```
! Route par défaut
ip route 0.0.0.0 0.0.0.0 <IP_Box>
```

Interconnexion avec le SW3750

```
! Interface connectée au SW3750
interface gig0/0
 ip address 192.168.200.1 255.255.255.252
 no shutdown
!
! Ajouter une route pour les VLANs
ip route 192.168.100.0 255.255.255.0 192.168.200.2
ip route 192.168.120.0 255.255.255.0 192.168.200.2
ip route 192.168.140.0 255.255.255.0 192.168.200.2
ip route 192.168.160.0 255.255.255.0 192.168.200.2
ip route 192.168.180.0 255.255.255.0 192.168.200.2
ip route 192.168.190.0 255.255.255.0 192.168.200.2
```