



Impact Influence

Configuration des équipements

1. Plan d'adressage IP :

adressage et vlan	vlan	sous reseau IPV4	passerelle IPV4	sous reseau IPV6	passerelle IPV6
batiment rouge					
service informatique	Vlan 10	192.168.10.0/24	192.168.10.254	2001:0:CAFE:10::/64	FE80::5:73FF:FEA0:10
service finance	Vlan 20	192.168.20.0/24	192.168.20.254	2001:0:CAFE:20::/64	FE80::5:73FF:FEA0:20
service commercial	Vlan 30	192.168.30.0/24	192.168.30.254	2001:0:CAFE:30::/64	FE80::5:73FF:FEA0:30
service RH	Vlan 40	192.168.40.0/24	192.168.40.254	2001:0:CAFE:40::/64	FE80::5:73FF:FEA0:40
service direction	Vlan 50	192.168.50.0/24	192.168.50.254	2001:0:CAFE:50::/64	FE80::5:73FF:FEA0:50
serveurs	Vlan 100	192.168.100.0/24	192.168.100.254	2001:0:CAFE:100::/64	FE80::5:73FF:FEA0:100
sw distrib 1 vers sw core		10.0.2.0/30	10.0.2.2	2001:0:CAFE:2::/127	2001:0:CAFE:2::1
sw core vers sw distrib 1		10.0.2.0/30	10.0.2.1	2001:0:CAFE:2::/127	2001:0:CAFE:2::
sw distrib 2 vers sw core		10.0.3.0/30	10.0.3.2	2001:0:CAFE:3::/127	2001:0:CAFE:3::1
sw core vers sw distrib 2		10.0.3.0/30	10.0.3.1	2001:0:CAFE:3::/127	2001:0:CAFE:3::
sw core vers routeur rouge		10.0.1.0/30	10.0.1.2	2001:0:CAFE:1::/127	2001:0:CAFE:1::1
routeur rouge vers sw core		10.0.1.0/30	10.0.1.1	2001:0:CAFE:1::/127	2001:0:CAFE:1::
batiment bleu					
showroom	Vlan 60	192.168.60.0/24	192.168.60.254	2001:0:CAFE:60::/64	2001:0:CAFE:60::1
Accueill	Vlan 70	192.168.70.0/24	192.168.70.1	2001:0:CAFE:70::/64	2001:0:CAFE:70::1
batiment vert					
reunion	Vlan 80	192.168.80.0/24	192.168.80.254	2001:0:CAFE:80::/64	2001:0:CAFE:80::1
DMZ	Vlan 200	192.168.200.0/24	192.168.200.254	2001:0:CAFE:200::/64	2001:0:CAFE:200::1
WAN					
routeur rouge vers bleu		132.186.32.32/30	132.186.32.34/30	2001:0:CAFE:4::/64	2001:0:CAFE:4::1
routeur bleu vers rouge		132.186.32.32/30	132.186.32.33/30	2001:0:CAFE:4::/64	2001:0:CAFE:4::
routeur bleu vers vert		132.186.32.36/30	132.186.32.38/30	2001:0:CAFE:5::/64	2001:0:CAFE:5::1
routeur vert vers bleu		132.186.32.36/30	132.186.32.37/30	2001:0:CAFE:5::/64	2001:0:CAFE:5::
routeur vert vers rouge		132.186.32.40/30	132.186.32.42/30	2001:0:CAFE:6::/64	2001:0:CAFE:6::1
routeur rouge vers vert		132.186.32.40/30	132.186.32.41/30	2001:0:CAFE:6::/64	2001:0:CAFE:6::
Adresses significatives					
	vlan	adresse IPV4	adresse IPV6		
serveur web	Vlan 200	192.168.200.1	2001:0:CAFE:200::2		
serveur DNS	Vlan 100	192.168.100.1	2001:0:CAFE:100::1		

2. Configuration DNS :

DNS

Physical Config Services Desktop Programming Attributes

IP Configuration

IP Configuration

☐ DHCP ☒ Static

IPv4 Address 192.168.100.1

Subnet Mask 255.255.255.0

Default Gateway 192.168.100.254

DNS Server 192.168.100.1

IPv6 Configuration

☐ Automatic ☒ Static

IPv6 Address 2001:0:CAFE:100::1 / 64

Link Local Address FE80::201:C9FF:FE15:244

Default Gateway FE:80::5:73FF:FEA0:100

DNS Server 2001:0:CAFE:100::1

DNS

Physical Config Services Desktop Programming Attributes

SERVICES

- HTTP
- DHCP
- DHCPv6
- TFTP
- DNS**
- SYSLOG
- AAA
- NTP
- EMAIL
- FTP
- IoT
- VM Management
- Radius EAP

DNS

DNS Service ☒ On ☐ Off

Resource Records

Name Type A Record

Address

Add Save Remove

No.	Name	Type	Detail
0	impactinfluence.com	A Record	132.186.32.41
1	impactinfluence.com	AAAA Record	2001:0:CAFE:200::2

3. Configuration des routeurs (comprenant les tables de routage, les sous-interfaces et les NAT) :

Bâtiment Bleu :

```
hostname Router-bleu

!
no ip cef
ipv6 unicast-routing
!
no ipv6 cef
!
license udi pid CISCO2811/K9 sn FTX1017J4M8-

!
spanning-tree mode pvst
!
interface FastEthernet0/0
ip address 192.168.70.254 255.255.255.0
ip nat inside
duplex auto
speed auto
ipv6 address FE80::2 link-local
ipv6 address 2001:0:CAFE:70::1/64
!
interface FastEthernet0/1
ip address 192.168.60.254 255.255.255.0
ip nat inside
duplex auto
speed auto
ipv6 address FE80::2 link-local
ipv6 address 2001:0:CAFE:60::1/64
!
interface Serial0/1/0
ip address 132.186.32.34 255.255.255.252
ip nat outside
ipv6 address FE80::2 link-local
ipv6 address 2001:0:CAFE:4::1/64
clock rate 2000000
!
interface Serial0/1/1
ip address 132.186.32.37 255.255.255.252
ip nat outside
ipv6 address FE80::2 link-local
ipv6 address 2001:0:CAFE:5::/64
!
```

```
interface Vlan1
no ip address
shutdown
!
router ospf 1
log-adjacency-changes
network 132.186.32.32 0.0.0.3 area 0
network 132.186.32.36 0.0.0.3 area 0
network 192.168.70.0 0.0.0.255 area 0
network 192.168.60.0 0.0.0.255 area 0
!
ipv6 router ospf 1
router-id 5.5.5.5
log-adjacency-changes
!
ip nat inside source list nat_bleu interface Serial0/1/0 overload
ip classless
!
ip flow-export version 9
!
!
ip access-list standard nat_bleu
permit 192.168.70.0 0.0.0.255
permit 192.168.60.0 0.0.0.255
!
line con 0
!
line aux 0
!
line vty 0 4
login
!
!
!
end
```

Bâtiment Rouge :

```
hostname Router-rouge

!
!
ip cef
ipv6 unicast-routing
!
no ipv6 cef
!
!
license udi pid CISCO2811/K9 sn FTX10178J36-
!
!
spanning-tree mode pvst
!
interface FastEthernet0/0
ip address 10.0.1.2 255.255.255.252
ip nat inside
duplex auto
speed auto
ipv6 address FE80::1 link-local
ipv6 address 2001:CAFE:1::/127
ipv6 ospf 1 area 0
!
interface FastEthernet0/1
no ip address
duplex auto
speed auto
shutdown
!
interface Serial0/1/0
ip address 132.186.32.42 255.255.255.252
ip nat outside
ipv6 address FE80::1 link-local
ipv6 address 2001:0:CAFE:6::1/64
ipv6 ospf 1 area 0
!
interface Serial0/1/1
ip address 132.186.32.33 255.255.255.252
ip nat outside
ipv6 address FE80::1 link-local
ipv6 address 2001:0:CAFE:4::/64
ipv6 ospf 1 area 0
!
interface Vlan1
no ip address
shutdown
!
```

```
router ospf 1
log-adjacency-changes
network 10.0.1.0 0.0.0.3 area 0
network 132.186.32.32 0.0.0.3 area 0
network 132.186.32.40 0.0.0.3 area 0
!
ipv6 router ospf 1
router-id 4.4.4.4
log-adjacency-changes
!
ip nat inside source list nat_rouge interface Serial0/1/0 overload
ip classless
!
ip flow-export version 9
!
!
ip access-list standard nat_rouge
permit 10.0.1.0 0.0.0.3
permit 192.168.10.0 0.0.0.255
permit 192.168.20.0 0.0.0.255
permit 192.168.30.0 0.0.0.255
permit 192.168.40.0 0.0.0.255
permit 192.168.50.0 0.0.0.255
permit 192.168.100.0 0.0.0.255
!
line con 0
!
line aux 0
!
line vty 0 4
login
!
end
```

Bâtiment Vert :

```
hostname Router-vert

!
!
no ip cef
ipv6 unicast-routing
!
no ipv6 cef
!
!
license udi pid CISCO2811/K9 sn FTX1017E7P8-
!
!
spanning-tree mode pvst
!
!
interface FastEthernet0/0
ip address 192.168.200.254 255.255.255.0
ip nat inside
duplex auto
speed auto
ipv6 address FE80::3 link-local
ipv6 address 2001:0:CAFE:200::1/64
ipv6 ospf 1 area 0
!
interface FastEthernet0/1
ip address 192.168.80.254 255.255.255.0
ip nat inside
duplex auto
speed auto
ipv6 address FE80::3 link-local
ipv6 address 2001:0:CAFE:80::1/64
ipv6 ospf 1 area 0
!
interface Serial0/1/0
ip address 132.186.32.41 255.255.255.252
ip nat outside
ipv6 address FE80::3 link-local
ipv6 address 2001:0:CAFE:6::/64
ipv6 ospf 1 area 0
clock rate 2000000
!
interface Serial0/1/1
ip address 132.186.32.38 255.255.255.252
ip nat outside
```

```
ipv6 address FE80::3 link-local
ipv6 address 2001:0:CAFE:5::1/64
ipv6 ospf 1 area 0
clock rate 2000000
!
interface Vlan1
no ip address
shutdown
!
router ospf 1
log-adjacency-changes
network 132.186.32.36 0.0.0.3 area 0
network 132.186.32.40 0.0.0.3 area 0
network 192.168.200.0 0.0.0.255 area 0
network 192.168.80.0 0.0.0.255 area 0
!
ipv6 router ospf 1
router-id 6.6.6.6
log-adjacency-changes
!
ip nat inside source list nat_vert interface Serial0/1/0 overload
ip nat inside source static tcp 192.168.200.1 80 132.186.32.41 80
ip classless
!
ip flow-export version 9
!
!
ip access-list standard nat_vert
permit 192.168.200.0 0.0.0.255
permit 192.168.80.0 0.0.0.255
!
!
line con 0
!
line aux 0
!
line vty 0 4
login
!
!
end
```

4. Configuration des switchs (comprenant les paramètres DHCP, les VLAN, le LACP et les ACL) :

4.1 Configuration des switchs de type layer 3 :

Switch Core :

```
hostname Switch-core
```

```
!
```

```
no profinet
```

```
!
```

```
!
```

```
no ip cef
```

```
ip routing
```

```
!
```

```
ipv6 unicast-routing
```

```
!
```

```
no ipv6 cef
```

```
!
```

```
!
```

```
spanning-tree mode pvst
```

```
!
```

```
!
```

```
interface GigabitEthernet1/0/1
```

```
!
```

```
interface GigabitEthernet1/0/2
```

```
!
```

```
interface GigabitEthernet1/0/3
```

```
!
```

```
interface GigabitEthernet1/0/4
```

```
!
```

```
interface GigabitEthernet1/0/5
```

```
!
```

```
interface GigabitEthernet1/0/6
```

```
!
```

```
interface GigabitEthernet1/0/7
```

```
!
```

```
interface GigabitEthernet1/0/8
```

```
!
```

```
interface GigabitEthernet1/0/9
```

```
!
```

```
interface GigabitEthernet1/0/10
```

```
!
```

```
interface GigabitEthernet1/0/11
!
interface GigabitEthernet1/0/12
!
interface GigabitEthernet1/0/13
!
interface GigabitEthernet1/0/14
!
interface GigabitEthernet1/0/15
!
interface GigabitEthernet1/0/16
!
interface GigabitEthernet1/0/17
!
interface GigabitEthernet1/0/18
!
interface GigabitEthernet1/0/19
!
interface GigabitEthernet1/0/20
!
interface GigabitEthernet1/0/21
!
interface GigabitEthernet1/0/22
no switchport
ip address 10.0.1.1 255.255.255.252
duplex auto
speed auto
ipv6 address 2001:CAFE:1::/127
ipv6 ospf 1 area 0
!
interface GigabitEthernet1/0/23
no switchport
ip address 10.0.3.2 255.255.255.252
duplex auto
speed auto
ipv6 address 2001:CAFE:3::1/127
ipv6 ospf 1 area 0
!
interface GigabitEthernet1/0/24
no switchport
ip address 10.0.2.2 255.255.255.252
duplex auto
speed auto
ipv6 address 2001:CAFE:2::1/127
ipv6 ospf 1 area 0
!
interface GigabitEthernet1/1/1
!
interface GigabitEthernet1/1/2
```

```
!  
interface GigabitEthernet1/1/3  
!  
interface GigabitEthernet1/1/4  
!  
interface Vlan1  
no ip address  
shutdown  
!  
router ospf 1  
log-adjacency-changes  
network 10.0.3.0 0.0.0.3 area 0  
network 10.0.1.0 0.0.0.3 area 0  
network 10.0.2.0 0.0.0.3 area 0  
!  
ipv6 router ospf 1  
router-id 3.3.3.3  
log-adjacency-changes  
!  
ip classless  
!  
ip flow-export version 9  
!  
!  
line con 0  
!  
line aux 0  
!  
line vty 0 4  
login  
!  
!  
end
```

Switch Distributed 1 :

```
hostname Switch-distribution1
```

```
!
```

```
!
```

```
no profinet
```

```
!
```

```
!
```

```
!
```

```
ip dhcp pool informatique
```

```
network 192.168.10.0 255.255.255.0
```

```
default-router 192.168.10.254
```

```
dns-server 192.168.100.1
```

```
ip dhcp pool finance
```

```
network 192.168.20.0 255.255.255.0
```

```
default-router 192.168.20.254
```

```
dns-server 192.168.100.1
```

```
ip dhcp pool commercial
```

```
network 192.168.30.0 255.255.255.0
```

```
default-router 192.168.30.254
```

```
dns-server 192.168.100.1
```

```
ip dhcp pool rh
```

```
network 192.168.40.0 255.255.255.0
```

```
default-router 192.168.40.254
```

```
dns-server 192.168.100.1
```

```
ip dhcp pool direction
```

```
network 192.168.50.0 255.255.255.0
```

```
default-router 192.168.50.254
```

```
dns-server 192.168.100.1
```

```
!
```

```
!
```

```
!
```

```
no ip cef
```

```
ip routing
```

```
!
```

```
ipv6 unicast-routing
```

```
!
```

```
no ipv6 cef
```

```
!
```

```
!
```

```
spanning-tree mode pvst
```

```
!
```

```
!
```

```
interface Port-channel1
```

```
!
```

```
interface GigabitEthernet1/0/1
```

```
switchport mode trunk
```

```
!  
interface GigabitEthernet1/0/2  
switchport mode trunk  
!  
interface GigabitEthernet1/0/3  
switchport mode trunk  
!  
interface GigabitEthernet1/0/4  
switchport mode trunk  
!  
interface GigabitEthernet1/0/5  
switchport mode trunk  
!  
interface GigabitEthernet1/0/6  
switchport mode trunk  
!  
interface GigabitEthernet1/0/7  
!  
interface GigabitEthernet1/0/8  
!  
interface GigabitEthernet1/0/9  
!  
interface GigabitEthernet1/0/10  
channel-protocol lacp  
channel-group 1 mode active  
!  
interface GigabitEthernet1/0/11  
channel-protocol lacp  
channel-group 1 mode active  
!  
interface GigabitEthernet1/0/12  
channel-protocol lacp  
channel-group 1 mode active  
!  
interface GigabitEthernet1/0/13  
channel-protocol lacp  
channel-group 1 mode active  
!  
interface GigabitEthernet1/0/14  
!  
interface GigabitEthernet1/0/15  
!  
interface GigabitEthernet1/0/16  
!  
interface GigabitEthernet1/0/17  
!  
interface GigabitEthernet1/0/18  
!  
interface GigabitEthernet1/0/19
```

```
!  
interface GigabitEthernet1/0/20  
!  
interface GigabitEthernet1/0/21  
!  
interface GigabitEthernet1/0/22  
!  
interface GigabitEthernet1/0/23  
no switchport  
ip address 10.0.2.1 255.255.255.252  
duplex auto  
speed auto  
ipv6 address FE80::1 link-local  
ipv6 address 2001:0:CAFE:2::/127  
ipv6 ospf 1 area 0  
!  
interface GigabitEthernet1/0/24  
!  
interface GigabitEthernet1/1/1  
!  
interface GigabitEthernet1/1/2  
!  
interface GigabitEthernet1/1/3  
!  
interface GigabitEthernet1/1/4  
!  
interface Vlan1  
no ip address  
shutdown  
!  
interface Vlan10  
mac-address 0040.0bec.6501  
ip address 192.168.10.253 255.255.255.0  
ipv6 address FE80::4 link-local  
ipv6 address 2001:0:CAFE:10::3/64  
ipv6 enable  
ipv6 ospf 1 area 0  
standby version 2  
standby 10 ip 192.168.10.254  
standby 10 priority 120  
standby 10 preempt  
standby 10 ipv6 autoconfig  
!  
interface Vlan20  
mac-address 0040.0bec.6502  
ip address 192.168.20.253 255.255.255.0  
ipv6 address FE80::4 link-local  
ipv6 address 2001:0:CAFE:20::3/64  
ipv6 enable
```

```
ipv6 ospf 1 area 0
standby version 2
standby 20 ip 192.168.20.254
standby 20 priority 90
standby 20 preempt
standby 20 ipv6 autoconfig
!
interface Vlan30
mac-address 0040.0bec.6503
ip address 192.168.30.253 255.255.255.0
ipv6 address FE80::4 link-local
ipv6 address 2001:0:CAFE:30::3/64
ipv6 enable
ipv6 ospf 1 area 0
standby version 2
standby 30 ip 192.168.30.254
standby 30 priority 120
standby 30 preempt
standby 30 ipv6 autoconfig
!
interface Vlan40
mac-address 0040.0bec.6504
ip address 192.168.40.253 255.255.255.0
ipv6 address FE80::4 link-local
ipv6 address 2001:0:CAFE:40::3/64
ipv6 enable
ipv6 ospf 1 area 0
standby version 2
standby 40 ip 192.168.40.254
standby 40 priority 90
standby 40 preempt
standby 40 ipv6 autoconfig
!
interface Vlan50
mac-address 0040.0bec.6505
ip address 192.168.50.253 255.255.255.0
ipv6 address FE80::4 link-local
ipv6 address 2001:0:CAFE:50::3/64
ipv6 enable
ipv6 ospf 1 area 0
standby version 2
standby 50 ip 192.168.50.254
standby 50 priority 120
standby 50 preempt
standby 50 ipv6 autoconfig
!
interface Vlan100
mac-address 0040.0bec.6506
ip address 192.168.100.253 255.255.255.0
```

```
ipv6 address FE80::4 link-local
ipv6 address 2001:0:CAFE:100::3/64
ipv6 enable
ipv6 ospf 1 area 0
standby version 2
standby 100 ip 192.168.100.254
standby 100 priority 90
standby 100 preempt
standby 100 ipv6 autoconfig
!
router ospf 1
log-adjacency-changes
network 192.168.100.0 0.0.0.255 area 0
network 192.168.10.0 0.0.0.255 area 0
network 192.168.20.0 0.0.0.255 area 0
network 192.168.30.0 0.0.0.255 area 0
network 192.168.40.0 0.0.0.255 area 0
network 192.168.50.0 0.0.0.255 area 0
network 10.0.2.0 0.0.0.3 area 0
!
ipv6 router ospf 1
router-id 1.1.1.1
log-adjacency-changes
!
ip classless
!
ip flow-export version 9
!
!
ip access-list extended BLOCK_VLAN10
permit tcp any 192.168.10.0 0.0.0.255 established
permit icmp any 192.168.10.0 0.0.0.255 echo-reply
deny ip any 192.168.10.0 0.0.0.255
permit udp any eq domain 192.168.10.0 0.0.0.255 gt 1023
ipv6 access-list ipv6_BLOCK_VLAN10
permit tcp any 2001:0:CAFE:100::/64
permit icmp any 2001:0:CAFE:100::/64 echo-reply
deny ipv6 any 2001:0:CAFE:100::/64
permit udp any eq domain 2001:0:CAFE:100::/64 gt 1023
!
!
line con 0
!
line aux 0
!
line vty 0 4
login
!
!
```

end

Switch Distributed 2 :

```
hostname Switch-distribution2
```

```
!
```

```
!
```

```
no profinet
```

```
!
```

```
ip dhcp pool informatique
```

```
network 192.168.10.0 255.255.255.0
```

```
default-router 192.168.10.254
```

```
dns-server 192.168.100.1
```

```
ip dhcp pool finance
```

```
network 192.168.20.0 255.255.255.0
```

```
default-router 192.168.20.254
```

```
dns-server 192.168.100.1
```

```
ip dhcp pool commercial
```

```
network 192.168.30.0 255.255.255.0
```

```
default-router 192.168.30.254
```

```
dns-server 192.168.100.1
```

```
ip dhcp pool rh
```

```
network 192.168.40.0 255.255.255.0
```

```
default-router 192.168.40.254
```

```
dns-server 192.168.100.1
```

```
ip dhcp pool direction
```

```
network 192.168.50.0 255.255.255.0
```

```
default-router 192.168.50.254
```

```
dns-server 192.168.100.1
```

```
!
```

```
!
```

```
!
```

```
no ip cef
```

```
ip routing
```

```
!
```

```
ipv6 unicast-routing
```

```
!
```

```
no ipv6 cef
```

```
!
```

```
!
```

```
spanning-tree mode pvst
```

```
!
```

```
!
```

```
interface Port-channel1
```

```
!
```

```
interface GigabitEthernet1/0/1
```

```
switchport mode trunk
```

```
!  
interface GigabitEthernet1/0/2  
switchport mode trunk  
!  
interface GigabitEthernet1/0/3  
switchport mode trunk  
!  
interface GigabitEthernet1/0/4  
switchport mode trunk  
!  
interface GigabitEthernet1/0/5  
switchport mode trunk  
!  
interface GigabitEthernet1/0/6  
switchport mode trunk  
!  
interface GigabitEthernet1/0/7  
!  
interface GigabitEthernet1/0/8  
!  
interface GigabitEthernet1/0/9  
!  
interface GigabitEthernet1/0/10  
channel-protocol lacp  
channel-group 1 mode active  
!  
interface GigabitEthernet1/0/11  
channel-protocol lacp  
channel-group 1 mode active  
!  
interface GigabitEthernet1/0/12  
channel-protocol lacp  
channel-group 1 mode active  
!  
interface GigabitEthernet1/0/13  
channel-protocol lacp  
channel-group 1 mode active  
!  
interface GigabitEthernet1/0/14  
!  
interface GigabitEthernet1/0/15  
!  
interface GigabitEthernet1/0/16  
!  
interface GigabitEthernet1/0/17  
!  
interface GigabitEthernet1/0/18  
!  
interface GigabitEthernet1/0/19
```

```
!  
interface GigabitEthernet1/0/20  
!  
interface GigabitEthernet1/0/21  
!  
interface GigabitEthernet1/0/22  
!  
interface GigabitEthernet1/0/23  
!  
interface GigabitEthernet1/0/24  
no switchport  
ip address 10.0.3.1 255.255.255.252  
duplex auto  
speed auto  
ipv6 address FE80::2 link-local  
ipv6 address 2001:0:CAFE:3::/127  
ipv6 ospf 1 area 0  
!  
interface GigabitEthernet1/1/1  
!  
interface GigabitEthernet1/1/2  
!  
interface GigabitEthernet1/1/3  
!  
interface GigabitEthernet1/1/4  
!  
interface Vlan1  
no ip address  
shutdown  
!  
interface Vlan10  
mac-address 0030.a348.c101  
ip address 192.168.10.252 255.255.255.0  
ipv6 address FE80::5 link-local  
ipv6 address 2001:0:CAFE:10::2/64  
ipv6 enable  
ipv6 ospf 1 area 0  
standby version 2  
standby 10 ip 192.168.10.254  
standby 10 priority 80  
standby 10 preempt  
standby 10 ipv6 autoconfig  
!  
interface Vlan20  
mac-address 0030.a348.c102  
ip address 192.168.20.252 255.255.255.0  
ipv6 address FE80::5 link-local  
ipv6 address 2001:0:CAFE:20::2/64  
ipv6 enable
```

```
ipv6 ospf 1 area 0
standby version 2
standby 20 ip 192.168.20.254
standby 20 priority 120
standby 20 preempt
standby 20 ipv6 autoconfig
!
interface Vlan30
mac-address 0030.a348.c103
ip address 192.168.30.252 255.255.255.0
ipv6 address FE80::5 link-local
ipv6 address 2001:0:CAFE:30::2/64
ipv6 enable
ipv6 ospf 1 area 0
standby version 2
standby 30 ip 192.168.30.254
standby 30 priority 80
standby 30 preempt
standby 30 ipv6 autoconfig
!
interface Vlan40
mac-address 0030.a348.c104
ip address 192.168.40.252 255.255.255.0
ipv6 address FE80::5 link-local
ipv6 address 2001:0:CAFE:40::2/64
ipv6 enable
ipv6 ospf 1 area 0
standby version 2
standby 40 ip 192.168.40.254
standby 40 priority 120
standby 40 preempt
standby 40 ipv6 autoconfig
!
interface Vlan50
mac-address 0030.a348.c105
ip address 192.168.50.252 255.255.255.0
ipv6 address FE80::5 link-local
ipv6 address 2001:0:CAFE:50::2/64
ipv6 enable
ipv6 ospf 1 area 0
standby version 2
standby 50 ip 192.168.50.254
standby 50 priority 80
standby 50 preempt
standby 50 ipv6 autoconfig
!
interface Vlan100
mac-address 0030.a348.c106
ip address 192.168.100.252 255.255.255.0
```

```
ipv6 address FE80::5 link-local
ipv6 address 2001:0:CAFE:100::2/64
ipv6 enable
ipv6 ospf 1 area 0
standby version 2
standby 100 ip 192.168.100.254
standby 100 priority 120
standby 100 preempt
standby 100 ipv6 autoconfig
!
router ospf 1
log-adjacency-changes
network 192.168.100.0 0.0.0.255 area 0
network 192.168.10.0 0.0.0.255 area 0
network 192.168.20.0 0.0.0.255 area 0
network 192.168.30.0 0.0.0.255 area 0
network 192.168.40.0 0.0.0.255 area 0
network 192.168.50.0 0.0.0.255 area 0
network 10.0.3.0 0.0.0.3 area 0
!
ipv6 router ospf 1
router-id 2.2.2.2
log-adjacency-changes
!
ip classless
!
ip flow-export version 9
!
!
ip access-list extended BLOCK_VLAN10
permit tcp any 192.168.10.0 0.0.0.255 established
permit icmp any 192.168.10.0 0.0.0.255 echo-reply
deny ip any 192.168.10.0 0.0.0.255
permit udp any eq domain 192.168.10.0 0.0.0.255 gt 1023
ipv6 access-list ipv6_BLOCK_VLAN10
permit tcp any 2001:0:CAFE:100::/64
permit icmp any 2001:0:CAFE:100::/64 echo-reply
deny ipv6 any 2001:0:CAFE:100::/64
permit udp any eq domain 2001:0:CAFE:100::/64 gt 1023
!
!
!
line con 0
!
line aux 0
!
line vty 0 4
login
!
```

```
!  
end
```

4.2 Configuration des switchs de type layer 2 :

Switch Serveur WEB :

```
hostname Switch-DMZ
```

```
!  
!  
spanning-tree mode pvst  
spanning-tree extend system-id  
!  
interface FastEthernet0/1  
switchport access vlan 200  
switchport mode access  
!  
interface FastEthernet0/2  
switchport access vlan 200  
switchport mode access  
!  
interface FastEthernet0/3  
switchport access vlan 200  
switchport mode access  
!  
interface FastEthernet0/4  
switchport access vlan 200  
switchport mode access  
!  
interface FastEthernet0/5  
switchport access vlan 200  
switchport mode access  
!  
interface FastEthernet0/6  
switchport access vlan 200  
switchport mode access  
!  
interface FastEthernet0/7  
switchport access vlan 200  
switchport mode access  
!  
interface FastEthernet0/8  
switchport access vlan 200  
switchport mode access  
!  
interface FastEthernet0/9  
switchport access vlan 200  
switchport mode access  
!  
interface FastEthernet0/10
```

```
switchport access vlan 200
switchport mode access
!
interface FastEthernet0/11
switchport access vlan 200
switchport mode access
!
interface FastEthernet0/12
switchport access vlan 200
switchport mode access
!
interface FastEthernet0/13
switchport access vlan 200
switchport mode access
!
interface FastEthernet0/14
switchport access vlan 200
switchport mode access
!
interface FastEthernet0/15
switchport access vlan 200
switchport mode access
!
interface FastEthernet0/16
switchport access vlan 200
switchport mode access
!
interface FastEthernet0/17
switchport access vlan 200
switchport mode access
!
interface FastEthernet0/18
switchport access vlan 200
switchport mode access
!
interface FastEthernet0/19
switchport access vlan 200
switchport mode access
!
interface FastEthernet0/20
switchport access vlan 200
switchport mode access
!
interface FastEthernet0/21
switchport access vlan 200
switchport mode access
!
interface FastEthernet0/22
switchport access vlan 200
```

```
switchport mode access
!
interface FastEthernet0/23
switchport access vlan 200
switchport mode access
!
interface FastEthernet0/24
switchport access vlan 200
switchport mode access
!
interface GigabitEthernet0/1
!
interface GigabitEthernet0/2
!
interface Vlan1
no ip address
shutdown
!
!
line con 0
!
line vty 0 4
login
line vty 5 15
login

!
end
```

Switch Réunion:

```
hostname Switch-reunion
```

```
!
```

```
!
```

```
spanning-tree mode pvst
```

```
spanning-tree extend system-id
```

```
!
```

```
interface FastEthernet0/1
```

```
switchport access vlan 80
```

```
switchport mode access
```

```
!
```

```
interface FastEthernet0/2
```

```
switchport access vlan 80
```

```
switchport mode access
```

```
!
```

```
interface FastEthernet0/3
```

```
switchport access vlan 80
```

```
switchport mode access
```

```
!
```

```
interface FastEthernet0/4
```

```
switchport access vlan 80
```

```
switchport mode access
```

```
!
```

```
interface FastEthernet0/5
```

```
switchport access vlan 80
```

```
switchport mode access
```

```
!
```

```
interface FastEthernet0/6
```

```
switchport access vlan 80
```

```
switchport mode access
```

```
!
```

```
interface FastEthernet0/7
```

```
switchport access vlan 80
```

```
switchport mode access
```

```
!
```

```
interface FastEthernet0/8
```

```
switchport access vlan 80
```

```
switchport mode access
```

```
!
```

```
interface FastEthernet0/9
```

```
switchport access vlan 80
```

```
switchport mode access
```

```
!  
interface FastEthernet0/10  
switchport access vlan 80  
switchport mode access  
!  
interface FastEthernet0/11  
switchport access vlan 80  
switchport mode access  
!  
interface FastEthernet0/12  
switchport access vlan 80  
switchport mode access  
!  
interface FastEthernet0/13  
switchport access vlan 80  
switchport mode access  
!  
interface FastEthernet0/14  
switchport access vlan 80  
switchport mode access  
!  
interface FastEthernet0/15  
switchport access vlan 80  
switchport mode access  
!  
interface FastEthernet0/16  
switchport access vlan 80  
switchport mode access  
!  
interface FastEthernet0/17  
switchport access vlan 80  
switchport mode access  
!  
interface FastEthernet0/18  
switchport access vlan 80  
switchport mode access  
!  
interface FastEthernet0/19  
switchport access vlan 80  
switchport mode access  
!  
interface FastEthernet0/20  
switchport access vlan 80  
switchport mode access  
!  
interface FastEthernet0/21  
switchport access vlan 80  
switchport mode access  
!
```

```
interface FastEthernet0/22
switchport access vlan 80
switchport mode access
!
interface FastEthernet0/23
switchport access vlan 80
switchport mode access
!
interface FastEthernet0/24
switchport access vlan 80
switchport mode access
!
interface GigabitEthernet0/1
!
interface GigabitEthernet0/2
!
interface Vlan1
no ip address
shutdown
!
line con 0
!
line vty 0 4
login
line vty 5 15
login
!
!
end
```

Switch Accueil:

```
hostname Switch-accueil

!
!
spanning-tree mode pvst
spanning-tree extend system-id
!
interface FastEthernet0/1
switchport access vlan 70
switchport mode access
!
interface FastEthernet0/2
switchport access vlan 70
switchport mode access
!
interface FastEthernet0/3
```

```
switchport access vlan 70
switchport mode access
!
interface FastEthernet0/4
switchport access vlan 70
switchport mode access
!
interface FastEthernet0/5
switchport access vlan 70
switchport mode access
!
interface FastEthernet0/6
switchport access vlan 70
switchport mode access
!
interface FastEthernet0/7
switchport access vlan 70
switchport mode access
!
interface FastEthernet0/8
switchport access vlan 70
switchport mode access
!
interface FastEthernet0/9
switchport access vlan 70
switchport mode access
!
interface FastEthernet0/10
switchport access vlan 70
switchport mode access
!
interface FastEthernet0/11
switchport access vlan 70
switchport mode access
!
interface FastEthernet0/12
switchport access vlan 70
switchport mode access
!
interface FastEthernet0/13
switchport access vlan 70
switchport mode access
!
interface FastEthernet0/14
switchport access vlan 70
switchport mode access
!
interface FastEthernet0/15
switchport access vlan 70
```

```
switchport mode access
!
interface FastEthernet0/16
switchport access vlan 70
switchport mode access
!
interface FastEthernet0/17
switchport access vlan 70
switchport mode access
!
interface FastEthernet0/18
switchport access vlan 70
switchport mode access
!
interface FastEthernet0/19
switchport access vlan 70
switchport mode access
!
interface FastEthernet0/20
switchport access vlan 70
switchport mode access
!
interface FastEthernet0/21
switchport access vlan 70
switchport mode access
!
interface FastEthernet0/22
switchport access vlan 70
switchport mode access
!
interface FastEthernet0/23
switchport access vlan 70
switchport mode access
!
interface FastEthernet0/24
switchport access vlan 70
switchport mode access
!
interface GigabitEthernet0/1
!
interface GigabitEthernet0/2
!
interface Vlan1
no ip address
shutdown
!
!
line con 0
!
```

```
line vty 0 4
login
line vty 5 15
login
!
end
```

Switch Showroom:

```
hostname Switch-showroom

!
!
spanning-tree mode pvst
spanning-tree extend system-id
!
interface FastEthernet0/1
switchport access vlan 60
switchport mode access
!
interface FastEthernet0/2
switchport access vlan 60
switchport mode access
!
interface FastEthernet0/3
switchport access vlan 60
switchport mode access
!
interface FastEthernet0/4
switchport access vlan 60
switchport mode access
!
interface FastEthernet0/5
switchport access vlan 60
switchport mode access
!
interface FastEthernet0/6
switchport access vlan 60
switchport mode access
!
interface FastEthernet0/7
switchport access vlan 60
switchport mode access
!
interface FastEthernet0/8
switchport access vlan 60
switchport mode access
!
interface FastEthernet0/9
switchport access vlan 60
switchport mode access
```

```
!  
interface FastEthernet0/10  
switchport access vlan 60  
switchport mode access  
!  
interface FastEthernet0/11  
switchport access vlan 60  
switchport mode access  
!  
interface FastEthernet0/12  
switchport access vlan 60  
switchport mode access  
!  
interface FastEthernet0/13  
switchport access vlan 60  
switchport mode access  
!  
interface FastEthernet0/14  
switchport access vlan 60  
switchport mode access  
!  
interface FastEthernet0/15  
switchport access vlan 60  
switchport mode access  
!  
interface FastEthernet0/16  
switchport access vlan 60  
switchport mode access  
!  
interface FastEthernet0/17  
switchport access vlan 60  
switchport mode access  
!  
interface FastEthernet0/18  
switchport access vlan 60  
switchport mode access  
!  
interface FastEthernet0/19  
switchport access vlan 60  
switchport mode access  
!  
interface FastEthernet0/20  
switchport access vlan 60  
switchport mode access  
!  
interface FastEthernet0/21  
switchport access vlan 60  
switchport mode access  
!
```

```
interface FastEthernet0/22
switchport access vlan 60
switchport mode access
!
interface FastEthernet0/23
switchport access vlan 60
switchport mode access
!
interface FastEthernet0/24
switchport access vlan 60
switchport mode access
!
interface GigabitEthernet0/1
!
interface GigabitEthernet0/2
!
interface Vlan1
no ip address
shutdown
!
!
line con 0
!
line vty 0 4
login
line vty 5 15
login
!
!
end
```

Switch Direction:

```
hostname Switch-direction
!
!
spanning-tree mode pvst
spanning-tree extend system-id
!
interface FastEthernet0/1
switchport access vlan 50
switchport mode access
!
interface FastEthernet0/2
switchport access vlan 50
switchport mode access
!
```

```
interface FastEthernet0/3
switchport access vlan 50
switchport mode access
!
interface FastEthernet0/4
switchport access vlan 50
switchport mode access
!
interface FastEthernet0/5
switchport access vlan 50
switchport mode access
!
interface FastEthernet0/6
switchport access vlan 50
switchport mode access
!
interface FastEthernet0/7
switchport access vlan 50
switchport mode access
!
interface FastEthernet0/8
switchport access vlan 50
switchport mode access
!
interface FastEthernet0/9
switchport access vlan 50
switchport mode access
!
interface FastEthernet0/10
switchport access vlan 50
switchport mode access
!
interface FastEthernet0/11
switchport access vlan 50
switchport mode access
!
interface FastEthernet0/12
switchport access vlan 50
switchport mode access
!
interface FastEthernet0/13
switchport access vlan 50
switchport mode access
!
interface FastEthernet0/14
switchport access vlan 50
switchport mode access
!
interface FastEthernet0/15
```

```
switchport access vlan 50
switchport mode access
!
interface FastEthernet0/16
switchport access vlan 50
switchport mode access
!
interface FastEthernet0/17
switchport access vlan 50
switchport mode access
!
interface FastEthernet0/18
switchport access vlan 50
switchport mode access
!
interface FastEthernet0/19
switchport access vlan 50
switchport mode access
!
interface FastEthernet0/20
switchport access vlan 50
switchport mode access
!
interface FastEthernet0/21
switchport access vlan 50
switchport mode access
!
interface FastEthernet0/22
switchport access vlan 50
switchport mode access
!
interface FastEthernet0/23
switchport mode trunk
!
interface FastEthernet0/24
switchport mode trunk
!
interface GigabitEthernet0/1
!
interface GigabitEthernet0/2
!
interface Vlan1
no ip address
shutdown
!
!
line con 0
!
line vty 0 4
```

```
login
line vty 5 15
login
!
!
end
```

Switch RH:

```
hostname Switch-rh

!
!
spanning-tree mode pvst
spanning-tree extend system-id
!
interface FastEthernet0/1
switchport access vlan 40
switchport mode access
!
interface FastEthernet0/2
switchport access vlan 40
switchport mode access
!
interface FastEthernet0/3
switchport access vlan 40
switchport mode access
!
interface FastEthernet0/4
switchport access vlan 40
switchport mode access
!
interface FastEthernet0/5
switchport access vlan 40
switchport mode access
!
interface FastEthernet0/6
switchport access vlan 40
switchport mode access
!
interface FastEthernet0/7
switchport access vlan 40
switchport mode access
!
interface FastEthernet0/8
switchport access vlan 40
```

```
switchport mode access
!
interface FastEthernet0/9
switchport access vlan 40
switchport mode access
!
interface FastEthernet0/10
switchport access vlan 40
switchport mode access
!
interface FastEthernet0/11
switchport access vlan 40
switchport mode access
!
interface FastEthernet0/12
switchport access vlan 40
switchport mode access
!
interface FastEthernet0/13
switchport access vlan 40
switchport mode access
!
interface FastEthernet0/14
switchport access vlan 40
switchport mode access
!
interface FastEthernet0/15
switchport access vlan 40
switchport mode access
!
interface FastEthernet0/16
switchport access vlan 40
switchport mode access
!
interface FastEthernet0/17
switchport access vlan 40
switchport mode access
!
interface FastEthernet0/18
switchport access vlan 40
switchport mode access
!
interface FastEthernet0/19
switchport access vlan 40
switchport mode access
!
interface FastEthernet0/20
switchport access vlan 40
switchport mode access
```

```
!  
interface FastEthernet0/21  
switchport access vlan 40  
switchport mode access  
!  
interface FastEthernet0/22  
switchport access vlan 40  
switchport mode access  
!  
interface FastEthernet0/23  
switchport mode trunk  
!  
interface FastEthernet0/24  
switchport mode trunk  
!  
interface GigabitEthernet0/1  
!  
interface GigabitEthernet0/2  
!  
interface Vlan1  
no ip address  
shutdown  
!  
!  
line con 0  
!  
line vty 0 4  
login  
line vty 5 15  
login  
!  
!  
end
```

Switch Commerciaux/Chargés de clientèle:

```
hostname Switch-commercial  
  
!  
!  
spanning-tree mode pvst  
spanning-tree extend system-id  
!  
interface FastEthernet0/1  
switchport access vlan 30  
switchport mode access  
!  
interface FastEthernet0/2
```

```
switchport access vlan 30
switchport mode access
!
interface FastEthernet0/3
switchport access vlan 30
switchport mode access
!
interface FastEthernet0/4
switchport access vlan 30
switchport mode access
!
interface FastEthernet0/5
switchport access vlan 30
switchport mode access
!
interface FastEthernet0/6
switchport access vlan 30
switchport mode access
!
interface FastEthernet0/7
switchport access vlan 30
switchport mode access
!
interface FastEthernet0/8
switchport access vlan 30
switchport mode access
!
interface FastEthernet0/9
switchport access vlan 30
switchport mode access
!
interface FastEthernet0/10
switchport access vlan 30
switchport mode access
!
interface FastEthernet0/11
switchport access vlan 30
switchport mode access
!
interface FastEthernet0/12
switchport access vlan 30
switchport mode access
!
interface FastEthernet0/13
switchport access vlan 30
switchport mode access
!
interface FastEthernet0/14
switchport access vlan 30
```

```
switchport mode access
!
interface FastEthernet0/15
switchport access vlan 30
switchport mode access
!
interface FastEthernet0/16
switchport access vlan 30
switchport mode access
!
interface FastEthernet0/17
switchport access vlan 30
switchport mode access
!
interface FastEthernet0/18
switchport access vlan 30
switchport mode access
!
interface FastEthernet0/19
switchport access vlan 30
switchport mode access
!
interface FastEthernet0/20
switchport access vlan 30
switchport mode access
!
interface FastEthernet0/21
switchport access vlan 30
switchport mode access
!
interface FastEthernet0/22
switchport access vlan 30
switchport mode access
!
interface FastEthernet0/23
switchport mode trunk
!
interface FastEthernet0/24
switchport mode trunk
!
interface GigabitEthernet0/1
!
interface GigabitEthernet0/2
!
interface Vlan1
no ip address
shutdown
!
!
```

```
line con 0
!  
line vty 0 4  
login  
line vty 5 15  
login  
!  
!  
end
```

Switch Finance :

```
hostname Switch-finance  
  
!  
!  
spanning-tree mode pvst  
spanning-tree extend system-id  
!  
interface FastEthernet0/1  
switchport access vlan 20  
switchport mode access  
!  
interface FastEthernet0/2  
switchport access vlan 20  
switchport mode access  
!  
interface FastEthernet0/3  
switchport access vlan 20  
switchport mode access  
!  
interface FastEthernet0/4  
switchport access vlan 20  
switchport mode access  
!  
interface FastEthernet0/5  
switchport access vlan 20  
switchport mode access  
!  
interface FastEthernet0/6  
switchport access vlan 20  
switchport mode access  
!  
interface FastEthernet0/7  
switchport access vlan 20  
switchport mode access
```

```
!  
interface FastEthernet0/8  
switchport access vlan 20  
switchport mode access  
!  
interface FastEthernet0/9  
switchport access vlan 20  
switchport mode access  
!  
interface FastEthernet0/10  
switchport access vlan 20  
switchport mode access  
!  
interface FastEthernet0/11  
switchport access vlan 20  
switchport mode access  
!  
interface FastEthernet0/12  
switchport access vlan 20  
switchport mode access  
!  
interface FastEthernet0/13  
switchport access vlan 20  
switchport mode access  
!  
interface FastEthernet0/14  
switchport access vlan 20  
switchport mode access  
!  
interface FastEthernet0/15  
switchport access vlan 20  
switchport mode access  
!  
interface FastEthernet0/16  
switchport access vlan 20  
switchport mode access  
!  
interface FastEthernet0/17  
switchport access vlan 20  
switchport mode access  
!  
interface FastEthernet0/18  
switchport access vlan 20  
switchport mode access  
!  
interface FastEthernet0/19  
switchport access vlan 20  
switchport mode access  
!
```

```
interface FastEthernet0/20
switchport access vlan 20
switchport mode access
!
interface FastEthernet0/21
switchport access vlan 20
switchport mode access
!
interface FastEthernet0/22
switchport access vlan 20
switchport mode access
!
interface FastEthernet0/23
switchport mode trunk
!
interface FastEthernet0/24
switchport mode trunk
!
interface GigabitEthernet0/1
!
interface GigabitEthernet0/2
!
interface Vlan1
no ip address
shutdown
!
!
!
!
line con 0
!
line vty 0 4
login
line vty 5 15
login
!
!
end
```

Switch Service Informatique :

```
hostname Switch-informatique
!
!
spanning-tree mode pvst
```

```
spanning-tree extend system-id
!
interface FastEthernet0/1
switchport access vlan 10
switchport mode access
!
interface FastEthernet0/2
switchport access vlan 10
switchport mode access
!
interface FastEthernet0/3
switchport access vlan 10
switchport mode access
!
interface FastEthernet0/4
switchport access vlan 10
switchport mode access
!
interface FastEthernet0/5
switchport access vlan 10
switchport mode access
!
interface FastEthernet0/6
switchport access vlan 10
switchport mode access
!
interface FastEthernet0/7
switchport access vlan 10
switchport mode access
!
interface FastEthernet0/8
switchport access vlan 10
switchport mode access
!
interface FastEthernet0/9
switchport access vlan 10
switchport mode access
!
interface FastEthernet0/10
switchport access vlan 10
switchport mode access
!
interface FastEthernet0/11
switchport access vlan 10
switchport mode access
!
interface FastEthernet0/12
switchport access vlan 10
switchport mode access
```

```
!  
interface FastEthernet0/13  
switchport access vlan 10  
switchport mode access  
!  
interface FastEthernet0/14  
switchport access vlan 10  
switchport mode access  
!  
interface FastEthernet0/15  
switchport access vlan 10  
switchport mode access  
!  
interface FastEthernet0/16  
switchport access vlan 10  
switchport mode access  
!  
interface FastEthernet0/17  
switchport access vlan 10  
switchport mode access  
!  
interface FastEthernet0/18  
switchport access vlan 10  
switchport mode access  
!  
interface FastEthernet0/19  
switchport access vlan 10  
switchport mode access  
!  
interface FastEthernet0/20  
switchport access vlan 10  
switchport mode access  
!  
interface FastEthernet0/21  
switchport access vlan 10  
switchport mode access  
!  
interface FastEthernet0/22  
switchport access vlan 10  
switchport mode access  
!  
interface FastEthernet0/23  
switchport mode trunk  
!  
interface FastEthernet0/24  
switchport mode trunk  
!  
interface GigabitEthernet0/1  
!
```

```
interface GigabitEthernet0/2
!
interface Vlan1
no ip address
shutdown
!
!
line con 0
!
line vty 0 4
login
line vty 5 15
login
!
!
end
```

Switch du serveur DNS :

```
hostname Switch
!
!
spanning-tree mode pvst
spanning-tree extend system-id
!
interface FastEthernet0/1
switchport access vlan 100
switchport mode access
!
interface FastEthernet0/2
switchport access vlan 100
switchport mode access
!
interface FastEthernet0/3
switchport access vlan 100
switchport mode access
!
interface FastEthernet0/4
switchport access vlan 100
switchport mode access
!
interface FastEthernet0/5
switchport access vlan 100
switchport mode access
!
interface FastEthernet0/6
```

```
switchport access vlan 100
switchport mode access
!
interface FastEthernet0/7
switchport access vlan 100
switchport mode access
!
interface FastEthernet0/8
switchport access vlan 100
switchport mode access
!
interface FastEthernet0/9
switchport access vlan 100
switchport mode access
!
interface FastEthernet0/10
switchport access vlan 100
switchport mode access
!
interface FastEthernet0/11
switchport access vlan 100
switchport mode access
!
interface FastEthernet0/12
switchport access vlan 100
switchport mode access
!
interface FastEthernet0/13
switchport access vlan 100
switchport mode access
!
interface FastEthernet0/14
switchport access vlan 100
switchport mode access
!
interface FastEthernet0/15
switchport access vlan 100
switchport mode access
!
interface FastEthernet0/16
switchport access vlan 100
switchport mode access
!
interface FastEthernet0/17
switchport access vlan 100
switchport mode access
!
interface FastEthernet0/18
switchport access vlan 100
```

```
switchport mode access
!
interface FastEthernet0/19
switchport access vlan 100
switchport mode access
!
interface FastEthernet0/20
switchport access vlan 100
switchport mode access
!
interface FastEthernet0/21
switchport access vlan 100
switchport mode access
!
interface FastEthernet0/22
switchport access vlan 100
switchport mode access
!
interface FastEthernet0/23
switchport mode trunk
!
interface FastEthernet0/24
switchport mode trunk
!
interface GigabitEthernet0/1
!
interface GigabitEthernet0/2
!
interface Vlan1
no ip address
shutdown
!
!
line con 0
!
line vty 0 4
login
line vty 5 15
login
!
!
end
```