

Nombre d'hotes	Nom du groupe	Numéro vlan	Nom vlan
3	Direction	10	dire
17	Utilisateurs	20	Util
2	Serveur	30	Serv
1	Administrateur	40	admi

Type d'équipement	Ref équipement	Nb de ports eth	Débit des ports
Commutateur	Cisco catalyst 2960-48TT	48	10/100 Mbits/s
Routeur	Cisco 2811	2	10/100/1000 Mbits/s

172.20.127.0

N°	Nom	Nb maxi d'hotes	Nb bits hote
10	Direction	8	3
20	Utilisateurs	30	5
30	Serveurs	2	2
40	Administrateur	2	2

N°vlan	Nom vlan	Nb hote s	Nb de bits hote	@ ip réseau	masque	IP broadcast	Nb port s maxi du vlan
10	Dire	3	3	172.20.127.0	255.255.255.224/27	172.20.127.31	29
20	Util	30	5	172.20.127.32	255.255.255.224/27	172.20.127.63	29
30	Serv	2	2	127.20.127.64	255.255.255.224/27	172.20.127.95	29
40	Admi	1	2	127.20.127.96	255.255.255.224/27	172.20.127.127	29

	pc	Gateway
Vpc-vlan10	.1	172.20.127.30
Vpc-vlan20	.33	172.20.127.62
Vpc-vlan30	.65	172.20.127.94
Vpc-vlan40	.97	172.20.127.126

## Commutateur interface virtuelle

```
Ethernet0/2          unassigned      YES unset  administratively down down
Ethernet0/3          unassigned      YES unset  administratively down down
Router#conf t
Enter configuration commands, one per line.  End with CNTL/Z.
Router(config)#int ethernet0/0.2
Router(config-subif)#encapsulation dot1Q 20
Router(config-subif)#ip address 172.20.127.62 255.255.255.224
Router(config-subif)#no shutdown
Router(config-subif)#exit
Router(config)#int ethernet0/0.3
Router(config-subif)#encapsulation dot1Q 30
Router(config-subif)#ip address 172.20.127.94 255.255.255.224
Router(config-subif)#no shutdown
Router(config-subif)#exit
Router(config)#int ethernet0/0.4
Router(config-subif)#encapsulation dot1Q 40
Router(config-subif)#ip address 172.20.127.126 255.255.255.224
Router(config-subif)#no shutdown
Router(config-subif)#exit
Router(config)#exit
Router#
*Jan 31 14:45:50.909: %SYS-5-CONFIG_I: Configured from console by console
Router#sh ip int brief
Interface                IP-Address      OK? Method Status              Protocol
Ethernet0/0              unassigned      YES unset  administratively down  down
Ethernet0/0.1            172.20.127.30   YES manual  administratively down  down
Ethernet0/0.2            172.20.127.62   YES manual  administratively down  down
Ethernet0/0.3            172.20.127.94   YES manual  administratively down  down
Ethernet0/0.4            172.20.127.126  YES manual  administratively down  down
Ethernet0/1              unassigned      YES unset  administratively down  down
Ethernet0/2              unassigned      YES unset  administratively down  down
Ethernet0/3              unassigned      YES unset  administratively down  down
Router#
```

