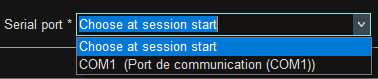
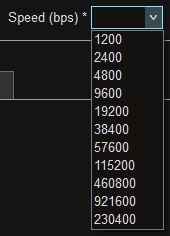
**Procédure configuration switchs :**

Il faut tout d’abord commencer par créer les conteneurs qui vont accueillir les services web,

Cisco Catalyst 3750 :

Reliez votre ordinateur au switch via un câble console/série vers USB, puis ouvrez MobaXTerm  
Cliquez sur « Session »,  puis « Serial » , pour le champ « Serial port » sélectionnez le port apparaît lorsque le câble est branché. 

Pour le champ « Speed (bps) » sélectionnez 9600.



Puis cliquez sur « Ok ».



Dans la console collez la configuration suivante par section de 20 lignes pour éviter de surcharger le buffer du switch :

no

en

conf t

hostname Noyau

vtp version 2

vtp domain hsp-gdh.fr

vtp mode server

vlan 10

name SERVEUR

exit

vlan 11

name VISIO

exit

vlan 12

name LABO

exit

vlan 13

name OPHTALMO

exit

vlan 14

name ADMINISTRATIF

exit

vlan 15

name ANGIO

exit

vlan 16

name PRATICIEN

exit

vlan 17

name PATIENT

exit

vlan 18

name VISITEUR

exit

vlan 20

name IT

exit

vlan 50

name DMZ

exit

vlan 99

name TRUNK

exit

vlan 100

name WAN

exit

ip domain-name hsp-gdh.fr

crypto key generate rsa general-keys modulus 2048

service password-encryption

service dhcp

enable secret K2GnCT9m%7qkI563

ip ssh version 2

ip ssh authentication-retries 3

ip ssh time-out 60

ip dhcp relay information trust-all

ip routing

username admin secret OJ@3r\*byWcLs2ty9

line vty 0 15

login local

transport input ssh

exit

exit

access-list 111 permit ip 172.30.0.0 0.0.0.255 10.11.0.0 0.0.255.255

access-list 111 permit ip 10.11.0.0 0.0.255.255 172.30.0.0 0.0.0.255

access-list 111 permit udp any eq bootpc any eq bootps

access-list 111 permit udp any eq bootps any eq bootpc

access-list 111 deny ip any any

access-list 112 permit ip 172.30.0.0 0.0.0.255 10.12.0.0 0.0.255.255

access-list 112 permit ip 10.12.0.0 0.0.255.255 172.30.0.0 0.0.0.255

access-list 112 permit udp any eq bootpc any eq bootps

access-list 112 permit udp any eq bootps any eq bootpc

access-list 112 deny ip any any

access-list 113 permit ip 172.30.0.0 0.0.0.255 10.13.0.0 0.0.255.255

access-list 113 permit ip 10.13.0.0 0.0.255.255 172.30.0.0 0.0.0.255

access-list 113 permit udp any eq bootpc any eq bootps

access-list 113 permit udp any eq bootps any eq bootpc

access-list 113 deny ip any any

access-list 114 permit ip 172.30.0.0 0.0.0.255 10.14.0.0 0.0.255.255

access-list 114 permit ip 10.14.0.0 0.0.255.255 172.30.0.0 0.0.0.255

access-list 114 permit udp any eq bootpc any eq bootps

access-list 114 permit udp any eq bootps any eq bootpc

access-list 114 deny ip any any

access-list 115 permit ip 172.30.0.0 0.0.0.255 10.15.0.0 0.0.255.255

access-list 115 permit ip 10.15.0.0 0.0.255.255 172.30.0.0 0.0.0.255

access-list 115 permit udp any eq bootpc any eq bootps

access-list 115 permit udp any eq bootps any eq bootpc

access-list 115 deny ip any any

access-list 116 permit ip 172.30.0.0 0.0.0.255 10.16.0.0 0.0.255.255

access-list 116 permit ip 10.16.0.0 0.0.255.255 172.30.0.0 0.0.0.255

access-list 116 permit udp any eq bootpc any eq bootps

access-list 116 permit udp any eq bootps any eq bootpc

access-list 116 deny ip any any

access-list 117 permit ip 172.30.0.0 0.0.0.255 10.17.0.0 0.0.255.255

access-list 117 permit ip 10.17.0.0 0.0.255.255 172.30.0.0 0.0.0.255

access-list 117 permit udp any eq bootpc any eq bootps

access-list 117 permit udp any eq bootps any eq bootpc

access-list 117 deny ip any any

access-list 118 permit ip 172.30.0.0 0.0.0.255 10.18.0.0 0.0.255.255

access-list 118 permit ip 10.18.0.0 0.0.255.255 172.30.0.0 0.0.0.255

access-list 118 permit udp any eq bootpc any eq bootps

access-list 118 permit udp any eq bootps any eq bootpc

access-list 118 deny ip any any

access-list 120 permit ip 172.30.0.0 0.0.0.255 10.20.0.0 0.0.255.255

access-list 120 permit ip 10.20.0.0 0.0.255.255 172.30.0.0 0.0.0.255

access-list 120 permit udp any eq bootpc any eq bootps

access-list 120 permit udp any eq bootps any eq bootpc

access-list 120 deny ip any any

access-list 150 permit ip 172.30.0.0 0.0.0.255 192.168.0.0 0.0.0.255

access-list 150 permit ip 192.168.0.0 0.0.0.255 172.30.0.0 0.0.0.255

access-list 150 deny ip any any

int range FastEthernet 1/0/1-2

switchport access vlan 100

switchport mode access

spanning-tree portfast

no shutdown

exit

int range FastEthernet 1/0/3-22

switchport access vlan 10

switchport mode access

spanning-tree portfast

no shutdown

exit

int FastEthernet 1/0/23

switchport trunk encapsulation dot1q

switchport trunk native vlan 99

switchport trunk allowed vlan 10,50,100

switchport mode trunk

no shutdown

exit

int FastEthernet 1/0/24

switchport trunk encapsulation dot1q

switchport trunk native vlan 99

switchport mode trunk

no shutdown

exit

int vlan 10

ip address 172.30.0.254 255.255.255.0

no shutdown

exit

int vlan 11

ip address 10.11.0.1 255.255.0.0

ip helper-address 172.30.0.1

ip helper-address 172.30.0.2

ip helper-address 172.30.0.3

ip access-group 111 out

no shutdown

exit

int vlan 12

ip address 10.12.0.1 255.255.0.0

ip helper-address 172.30.0.1

ip helper-address 172.30.0.2

ip helper-address 172.30.0.3

ip access-group 112 out

no shutdown

exit

int vlan 13

ip address 10.13.0.1 255.255.0.0

ip helper-address 172.30.0.1

ip helper-address 172.30.0.2

ip helper-address 172.30.0.3

ip access-group 113 out

no shutdown

exit

int vlan 14

ip address 10.14.0.1 255.255.0.0

ip helper-address 172.30.0.1

ip helper-address 172.30.0.2

ip helper-address 172.30.0.3

ip access-group 114 out

no shutdown

exit

int vlan 15

ip address 10.15.0.1 255.255.0.0

ip helper-address 172.30.0.1

ip helper-address 172.30.0.2

ip helper-address 172.30.0.3

ip access-group 115 out

no shutdown

exit

int vlan 16

ip address 10.16.0.1 255.255.0.0

ip helper-address 172.30.0.1

ip helper-address 172.30.0.2

ip helper-address 172.30.0.3

ip access-group 116 out

no shutdown

exit

int vlan 17

ip address 10.17.0.1 255.255.0.0

ip helper-address 172.30.0.1

ip helper-address 172.30.0.2

ip helper-address 172.30.0.3

ip access-group 117 out

no shutdown

exit

int vlan 18

ip address 10.18.0.1 255.255.0.0

ip helper-address 172.30.0.1

ip helper-address 172.30.0.2

ip helper-address 172.30.0.3

ip access-group 118 out

no shutdown

exit

int vlan 20

ip address 10.20.0.1 255.255.0.0

ip helper-address 172.30.0.1

ip helper-address 172.30.0.2

ip helper-address 172.30.0.3

ip access-group 120 out

no shutdown

exit

int vlan 50

ip address 192.168.0.254 255.255.255.0

ip helper-address 172.30.0.1

ip helper-address 172.30.0.2

ip helper-address 172.30.0.3

ip access-group 150 out

no shutdown

exit

exit

write

Vérifiez la configuration a bien été enregistré et qu’il n’y a pas d’erreur.

Cisco Catalyst 2960 :

Accéder à la console de la même manière que pour le switch précédent.

Puis collez la configuration dans console toujours par section de 20 lignes :

no

en

conf t

hostname Etage

vtp version 2

vtp domain hsp-gdh.fr

vtp mode client

ip domain-name hsp-gdh.fr

crypto key generate rsa general-keys modulus 2048

service password-encryption

enable secret !Cb!0c(hM!7b6tl9

ip ssh version 2

ip ssh authentication-retries 3

ip ssh time-out 60

username admin secret C2DFzH$n1CUt^M!u

line vty 0 15

login local

transport input ssh

exit

int range fastEthernet 0/1 - 4

switchport access vlan 11

switchport mode access

spanning-tree portfast

no shutdown

exit

int range fastEthernet 0/5 - 8

switchport access vlan 12

switchport mode access

spanning-tree portfast

no shutdown

exit

int range fastEthernet 0/9 - 12

switchport access vlan 13

switchport mode access

spanning-tree portfast

no shutdown

exit

int range fastEthernet 0/13 - 16

switchport access vlan 14

switchport mode access

spanning-tree portfast

no shutdown

exit

int range fastEthernet 0/17 - 20

switchport access vlan 15

switchport mode access

spanning-tree portfast

no shutdown

exit

int range fastEthernet 0/21 - 22

switchport access vlan 20

switchport mode access

spanning-tree portfast

no shutdown

exit

int fastEthernet 0/23

switchport mode trunk

switchport trunk native vlan 99

switchport trunk allowed vlan 16-18

no shutdown

exit

int fastEthernet 0/24

switchport mode trunk

switchport trunk native vlan 99

no shutdown

exit

exit

write

Câblage des switchs :

Pour le câblage des switchs, il faut relier les deux switchs avec un câble croisé en le branchant sur le port 24 de chacun d’eux.   
Pour le 3750, le port doit 1 être relié au routeur/pare-feu et le port 23 doit être relié au serveur de virtualisation.  
Pour le 2960, le port 23 doit être relié à la borne Wi-Fi.