

SSH CTP :

```
(config)#username admin secret cisco
(config)#crypto key generate rsa
(config)#ip ssh version 2
(config)#line vty 0 15
(config-line)#login local
(config-line)#transport input ssh
(config-line)#exec-timeout 5 20
```

```
show flash delete vlan.dat multiple-fs reload no
```

```
username admin privilege 15 password progr00
show vlan brief
no switchport access vlan
si pb voir le tp config vlan and truking
```

Routeur:

Building configuration...

Current configuration : 3314 bytes

```
!
! Last configuration change at 13:55:19 UTC Mon Jan 9 2023
!
version 15.8
service timestamps debug datetime msec
service timestamps log datetime msec
no service password-encryption
!
hostname Router
!
boot-start-marker
boot-end-marker
!
!
!
no aaa new-model
!
!
!
!
!
!
ip dhcp excluded-address 192.27.1.1 192.27.1.20
ip dhcp excluded-address 192.27.2.1 192.27.2.20
ip dhcp excluded-address 192.27.3.1 192.27.3.20
ip dhcp excluded-address 192.27.4.1 192.27.4.20
!
ip dhcp pool vlan10
network 192.27.1.0 255.255.255.0
default-router 192.27.1.1
dns-server 10.0.0.1
```

```
!
ip dhcp pool vlan20
network 192.27.2.0 255.255.255.0
default-router 192.27.2.1
dns-server 10.0.0.1
!
ip dhcp pool vlan30
network 192.27.3.0 255.255.255.0
default-router 192.27.3.1
dns-server 10.0.0.1
!
ip dhcp pool vlan40
network 192.27.4.0 255.255.255.0
default-router 192.27.4.1
dns-server 10.0.0.1
!
!
!
ip cef
no ipv6 cef
multilink bundle-name authenticated
!
!
!
license udi pid C927-4P sn FGL2348L2EW
!
!
!
redundancy
!
!
controller VDSL 0
!
!
!
!
!
interface ATM0
no ip address
shutdown
no atm ilmi-keepalive
!
interface Ethernet0
no ip address
shutdown
!
interface GigabitEthernet0
switchport mode trunk
no ip address
!
interface GigabitEthernet1
no ip address
!
interface GigabitEthernet2
no ip address
```

```
!
interface GigabitEthernet3
no ip address
!
interface GigabitEthernet4
ip address 10.2.1.1 255.240.0.0
ip nat outside
ip virtual-reassembly in
duplex auto
speed auto
!
interface Vlan1
no ip address
!
interface Vlan10
ip address 192.27.1.1 255.255.255.0
ip access-group 10 out
ip nat inside
ip virtual-reassembly in
!
interface Vlan20
ip address 192.27.2.1 255.255.255.0
ip access-group 20 out
ip nat inside
ip virtual-reassembly in
!
interface Vlan30
ip address 192.27.3.1 255.255.255.0
ip access-group 30 out
ip nat inside
ip virtual-reassembly in
!
interface Vlan40
ip address 192.27.4.1 255.255.255.0
ip access-group 40 out
ip nat inside
ip virtual-reassembly in
!
ip forward-protocol nd
no ip http server
no ip http secure-server
!
!
ip nat inside source list 1 interface GigabitEthernet4 overload
ip nat inside source list 2 interface GigabitEthernet4 overload
ip nat inside source list 3 interface GigabitEthernet4 overload
ip nat inside source list 4 interface GigabitEthernet4 overload
ip nat inside source static tcp 192.27.1.10 80 10.2.1.1 80 extendable
ip nat inside source static tcp 192.27.1.22 80 10.2.2.1 80 extendable
ip route 0.0.0.0 0.0.0.0 10.0.0.1
!
!
!
tftp-server flash:/firmware/vadsl_module_img.bin
access-list 1 permit 192.27.1.0 0.0.0.255
```

```
access-list 2 permit 192.27.2.0 0.0.0.255
access-list 3 permit 192.27.3.0 0.0.0.255
access-list 4 permit 192.27.4.0 0.0.0.255
access-list 10 permit any
access-list 20 deny 192.27.4.0 0.0.0.255
access-list 20 deny 192.27.3.0 0.0.0.255
access-list 20 permit any
access-list 30 deny 192.27.4.0 0.0.0.255
access-list 30 deny 192.27.2.0 0.0.0.255
access-list 30 permit any
access-list 40 deny 192.27.2.0 0.0.0.255
access-list 40 deny 192.27.3.0 0.0.0.255
access-list 40 permit any
!
control-plane
!
!
line con 0
line 4
no activation-character
transport preferred none
transport input all
transport output all
stopbits 1
line vty 0 4
login
transport input none
!
scheduler allocate 20000 1000
!
end
```

Config du switch :

Building configuration...

```
Current configuration : 2798 bytes
!
! Last configuration change at 02:03:53 UTC Mon Mar 1 1993
!
version 15.0
no service pad
no service timestamps debug uptime
no service timestamps log uptime
no service password-encryption
!
hostname SW
!
boot-start-marker
boot-end-marker
!
```

```
!
no aaa new-model
system mtu routing 1500
!
!
!
!
!
!
!
!
!
!
!
!
!
!
!
!
!
spanning-tree mode pvst
spanning-tree extend system-id
!
vlan internal allocation policy ascending
!
!
!
!
!
!
!
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 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 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 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 access vlan 40
switchport mode access
!
interface FastEthernet0/24
switchport access vlan 40
switchport mode access
!
interface GigabitEthernet0/1
switchport trunk allowed vlan 10-40
switchport mode trunk
!
interface GigabitEthernet0/2
!
interface Vlan1
no ip address
shutdown
!
interface Vlan10
ip address 192.27.1.2 255.255.255.0
!
interface Vlan20
ip address 192.27.2.2 255.255.255.0
!
interface Vlan30
ip address 192.27.3.2 255.255.255.0
!
interface Vlan40
ip address 192.27.4.2 255.255.255.0
!
ip http server
ip http secure-server
!
```

```
!
vstack
!
line con 0
line vty 5 15
!
end
```

Capture de trame :

Pour l'obtenir j'ai branché le cable qui relie le routeur au switch à mon pc permettant ainsi de faire une capture de trame et donc d'obtenir cela

