

Fascicule 2

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Partie 1 : Affichage de la configuration courante des VLANs

1-

```
ZB-Switch3>show vlan brief
```

VLAN Name	Status	Ports
1 default	active	Fa0/1, Fa0/2, Fa0/3, Fa0/4 Fa0/5, Fa0/6, Fa0/7, Fa0/8 Fa0/9, Fa0/10, Fa0/11, Fa0/12 Fa0/13, Fa0/14, Fa0/15, Fa0/16 Fa0/17, Fa0/18, Fa0/19, Fa0/20 Fa0/21, Fa0/22, Fa0/23, Fa0/24 Gig0/1, Gig0/2
1002 fddi-default	active	
1003 token-ring-default	active	
1004 fddinet-default	active	
1005 trnet-default	active	

```
ZB-Switch3#
```

Partie 2 : Création des VLANs

1-creation des vlans

```
ZB-Switch3>enable
ZB-Switch3#configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
ZB-Switch3(config)#vlan 21
ZB-Switch3(config-vlan)#name comptabilite
ZB-Switch3(config-vlan)#exit
ZB-Switch3(config)#vlan 22
ZB-Switch3(config-vlan)#name RH
ZB-Switch3(config-vlan)#exit
ZB-Switch3(config)#vlan 23
ZB-Switch3(config-vlan)#name IT
ZB-Switch3(config-vlan)#exit
ZB-Switch3(config)#vlan 24
ZB-Switch3(config-vlan)#name marketing
ZB-Switch3(config-vlan)#exit
```

3- Verification de creation des vlans

```
ZB-Switch3#show vlan brief
```

VLAN Name	Status	Ports
1 default	active	Fa0/1, Fa0/2, Fa0/3, Fa0/4 Fa0/5, Fa0/6, Fa0/7, Fa0/8 Fa0/9, Fa0/10, Fa0/11, Fa0/12 Fa0/13, Fa0/14, Fa0/15, Fa0/16 Fa0/17, Fa0/18, Fa0/19, Fa0/20 Fa0/21, Fa0/22, Fa0/23, Fa0/24 Gig0/1, Gig0/2
21 comptabilite	active	
22 RH	active	
23 IT	active	
24 marketing	active	
1002 fddi-default	active	
1003 token-ring-default	active	
1004 fddinet-default	active	
1005 trnet-default	active	

```
ZB-Switch3#
```

Partie 3 : Attribution des ports VLAN

1. Access Switch 1 and configure the port for VLAN 21:

```
bash
Switch1> enable
Switch1# config terminal
Switch1(config)# interface fa0/1
Switch1(config-if)# switchport mode access
Switch1(config-if)# switchport access vlan 21
Switch1(config-if)# exit
```

For Switch 2 (with ZB-PC2 on port 0/1):

```
bash
Switch2> enable
Switch2# config terminal
Switch2(config)# interface fa0/1
Switch2(config-if)# switchport mode access
Switch2(config-if)# switchport access vlan 22
Switch2(config-if)# exit
```

For Switch 3 (with ZB-Laptop1 on port 0/1):

```
bash
Switch3> enable
Switch3# config terminal
Switch3(config)# interface fa0/1
Switch3(config-if)# switchport mode access
Switch3(config-if)# switchport access vlan 23
Switch3(config-if)# exit
```


```
ZB-Switch3#show vlan brief
```

VLAN Name	Status	Ports
1 default	active	Fa0/1, Fa0/5, Fa0/6, Fa0/7 Fa0/8, Fa0/9, Fa0/10, Fa0/11 Fa0/12, Fa0/13, Fa0/14, Fa0/15 Fa0/16, Fa0/17, Fa0/18, Fa0/19 Fa0/20, Fa0/21, Fa0/22, Fa0/23 Fa0/24, Gig0/1, Gig0/2
21 comptabilite	active	Fa0/2
22 RH	active	Fa0/3
23 IT	active	Fa0/4
24 marketing	active	
1002 fddi-default	active	
1003 token-ring-default	active	
1004 fddinet-default	active	
1005 trnet-default	active	

```
ZB-Switch3#
```

```
ZB-Switch4#show vlan brief
```

VLAN Name	Status	Ports
1 default	active	Fa0/1, Fa0/3, Fa0/5, Fa0/6 Fa0/7, Fa0/8, Fa0/9, Fa0/10 Fa0/11, Fa0/12, Fa0/13, Fa0/14 Fa0/15, Fa0/16, Fa0/17, Fa0/18 Fa0/19, Fa0/20, Fa0/21, Fa0/22 Fa0/23, Fa0/24, Gig0/1, Gig0/2
21 comptabilite	active	
22 RH	active	

```
Switch3(config-if)# switchport access  lan 23
Switch3(config-if)# exit
```

For Switch 4 (with ZB-PC3 on port 0/1):

```
bash  

Switch4> enable
Switch4# config terminal
Switch4(config)# interface fa0/1
Switch4(config-if)# switchport mode access
Switch4(config-if)# switchport access vlan 24
Switch4(config-if)# exit
```

```

Fa0/7, Fa0/8, Fa0/9, Fa0/10
Fa0/11, Fa0/12, Fa0/13, Fa0/14
Fa0/15, Fa0/16, Fa0/17, Fa0/18
Fa0/19, Fa0/20, Fa0/21, Fa0/22
Fa0/23, Fa0/24, Gig0/1, Gig0/2

21  comptabilite      active
22  RH                active
23  IT                active  Fa0/4
24  marketing         active  Fa0/2
1002 fddi-default     active
1003 token-ring-default active
1004 fddinet-default  active
1005 trnet-default    active
ZB-Switch4#
```

```
ZB-Switch5#
%SYS-5-CONFIG_I: Configured from console by console
show vlan brief

VLAN Name                Status    Ports
-----
1    default              active    Fa0/1, Fa0/2, Fa0/3, Fa0/4
                                           Fa0/7, Fa0/8, Fa0/9, Fa0/10
                                           Fa0/11, Fa0/12, Fa0/13, Fa0/14
                                           Fa0/15, Fa0/16, Fa0/17, Fa0/18
                                           Fa0/19, Fa0/20, Fa0/21, Fa0/22
                                           Fa0/23, Fa0/24, Gig0/1, Gig0/2

21    comptabilite      active    Fa0/5
22    RH                active    Fa0/6
23    IT                active
24    marketing         active
1002 fddi-default     active
1003 token-ring-default active
1004 fddinet-default  active
1005 trnet-default    active
ZB-Switch5#
```

```
ZB-Switch6#show vlan brief

VLAN Name                Status    Ports
-----
1    default              active    Fa0/1, Fa0/2, Fa0/3, Fa0/4
                                           Fa0/5, Fa0/6, Fa0/7, Fa0/11
                                           Fa0/12, Fa0/13, Fa0/14, Fa0/15
                                           Fa0/16, Fa0/17, Fa0/18, Fa0/19
                                           Fa0/20, Fa0/21, Fa0/22, Fa0/23
                                           Fa0/24, Gig0/1, Gig0/2

21    comptabilite      active
22    RH                active
23    IT                active  Fa0/8
24    marketing         active  Fa0/9, Fa0/10
1002 fddi-default     active
1003 token-ring-default active
1004 fddinet-default  active
1005 trnet-default    active
ZB-Switch6#
```

Partie6

```
2
ZB-Switch3#enable
ZB-Switch3#config terminal
Enter configuration commands, one per line. End with CNTL/Z.
ZB-Switch3(config)#interface range 0/2 - 4
^
% Invalid input detected at '^' marker.

ZB-Switch3(config)#interface range fa0/2 - 4
ZB-Switch3(config-if-range)#switchport mode trunk

ZB-Switch3(config-if-range)#
%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/2, changed state to down
%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/2, changed state to up
%LINEPROTO-5-UPDOWN: Line protocol on Interface Vlan99, changed state to up
%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/3, changed state to down
%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/3, changed state to up
%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/4, changed state to down
%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/4, changed state to up
switchport trunk native vlan 80
ZB-Switch3(config-if-range)#switchport trunk native vlan 80
ZB-Switch3(config-if-range)#exit
ZB-Switch3(config)#
```