Fichiers de configuration

Equipements réseaux

2023 - 2024

Une image contenant dessin humoristique, capture d’écran, mammifère, Graphique

Description générée automatiquement

**Organisation des Vlan’s :**

|  |  |  |  |
| --- | --- | --- | --- |
| **Organisation des Vlan’s** | | | |
| **Vlan’s** | **Nom associé** | **Nombre d’utilisateurs ou machines** | **Adresse réseau** |
| 10 | VENTES | 43 utilisateurs | 192.168.**10**.0/24 |
| 20 | SG | 10 utilisateurs | 192.168.**20**.0/24 |
| 30 | RH | 23 utilisateurs | 192.168.**30**.0/24 |
| 40 | COM | 16 utilisateurs | 192.168.**40**.0/24 |
| 50 | DSI | 15 utilisateurs | 192.168.**50**.0/24 |
| 60 | R&D | 14 utilisateurs | 192.168.**60**.0/24 |
| 70 | DM | 25 utilisateurs | 192.168.**70**.0/24 |
| 80 | DG | 8 utilisateurs | 192.168.**80**.0/24 |
| 90 | DF | 14 utilisateurs | 192.168.**90**.0/24 |
| 100 | MANAGEMENT |  | 192.168.**100**.0/24 |
| 110 | SJ | 8 utilisateurs | 192.168.**110**.0/24 |
| 150 | SERV\_LAN |  | 192.168.**150**.0/24 |

**Configuration des switch de niveau 2 :** (cf. tableau “Organisation des Vlan’s”)

Une image contenant texte, capture d’écran, Police, conception

Description générée automatiquement**1** **–** Accéder au mode « config » du switch

Une image contenant texte, capture d’écran, Police, conception

Description générée automatiquement**2** **-** Déclarer tous les *Vlan’s* reliés au switch et leur donner un nom

Une image contenant texte, capture d’écran, Police, conception

Description générée automatiquement**3 -** Autoriser les *Vlan’s* à circuler sur les interfaces physiques

Une image contenant texte, capture d’écran, Police, conception

Description générée automatiquement**4 -** Autoriser les *Vlan’s* à circuler du switch de niveau 2 au switch de niveau 3

**Configuration des switch de niveau 3 :**

Une image contenant texte, capture d’écran, Police, conception

Description générée automatiquement**1 -** Accéder au mode « *config* » du switch et mettre en place le routage

Une image contenant texte, capture d’écran, Police, conception

Description générée automatiquement**2 -** Déclarer tous les *Vlan’s* du réseau

Une image contenant texte, capture d’écran, Police, conception

Description générée automatiquement**3 -** Autoriser les *Vlan’s* à accéder au switch de niveau 2

Une image contenant texte, capture d’écran, Police, conception

Description générée automatiquement

**4 -** Déclarer une passerelle pour chaque *Vlan* et activer les relais DHCP

Fichier de configuration switch RDC :

Current configuration : 1856 bytes

!

version 15.0

no service timestamps log datetime msec

no service timestamps debug datetime msec

no service password-encryption

!

hostname switchrdc

!

!

!

ip ssh version 2

no ip domain-lookup

ip domain-name bober

!

username admin privilege 15 password 0 admin

!

vtp mode transparent

!

!

!

spanning-tree mode rapid-pvst

spanning-tree extend system-id

!

vlan 10

name VENTES

!

vlan 20

name SG

!

vlan 100

name MGMT

!

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 20

switchport mode access

!

interface FastEthernet0/4

switchport access vlan 20

switchport mode access

!

interface FastEthernet0/5

!

interface FastEthernet0/6

!

interface FastEthernet0/7

!

interface FastEthernet0/8

!

interface FastEthernet0/9

!

interface FastEthernet0/10

!

interface FastEthernet0/11

!

interface FastEthernet0/12

!

interface FastEthernet0/13

!

interface FastEthernet0/14

!

interface FastEthernet0/15

!

interface FastEthernet0/16

!

interface FastEthernet0/17

!

interface FastEthernet0/18

!

interface FastEthernet0/19

!

interface FastEthernet0/20

!

interface FastEthernet0/21

!

interface FastEthernet0/22

!

interface FastEthernet0/23

!

interface FastEthernet0/24

!

interface GigabitEthernet0/1

switchport trunk allowed vlan 10,20,100

switchport mode trunk

!

interface GigabitEthernet0/2

!

interface Vlan1

no ip address

shutdown

!

interface Vlan100

ip address 192.168.100.50 255.255.255.0

!

ip default-gateway 192.168.100.30

!

!

!

!

ip access-list extended DSI-MGMT

remark allow SSH from DSI computers to network devices MGMT

permit ip 192.168.50.0 0.0.0.255 any

line con 0

!

line vty 0 4

access-class DSI-MGMT in

login local

transport input ssh

line vty 5 15

login

!

!

!

ntp server 192.168.150.3

!

End

Fichier de configuration switch étage 1 :

Current configuration : 1963 bytes

!

version 15.0

no service timestamps log datetime msec

no service timestamps debug datetime msec

no service password-encryption

!

hostname switchetage1

!

!

!

ip ssh version 2

no ip domain-lookup

ip domain-name bober

!

username admin privilege 15 password 0 admin

!

vtp mode transparent

!

!

!

spanning-tree mode rapid-pvst

spanning-tree extend system-id

!

vlan 30

name RH

!

vlan 40

name COM

!

vlan 70

name DM

!

vlan 100

name MGMT

!

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 40

switchport mode access

!

interface FastEthernet0/4

switchport access vlan 40

switchport mode access

!

interface FastEthernet0/5

switchport access vlan 70

switchport mode access

!

interface FastEthernet0/6

!

interface FastEthernet0/7

!

interface FastEthernet0/8

!

interface FastEthernet0/9

!

interface FastEthernet0/10

!

interface FastEthernet0/11

!

interface FastEthernet0/12

!

interface FastEthernet0/13

!

interface FastEthernet0/14

!

interface FastEthernet0/15

!

interface FastEthernet0/16

!

interface FastEthernet0/17

!

interface FastEthernet0/18

!

interface FastEthernet0/19

!

interface FastEthernet0/20

!

interface FastEthernet0/21

!

interface FastEthernet0/22

!

interface FastEthernet0/23

!

interface FastEthernet0/24

!

interface GigabitEthernet0/1

switchport trunk allowed vlan 30,40,70,100

switchport mode trunk

!

interface GigabitEthernet0/2

!

interface Vlan1

no ip address

shutdown

!

interface Vlan70

no ip address

!

interface Vlan100

ip address 192.168.100.51 255.255.255.0

!

ip default-gateway 192.168.100.30

!

!

!

!

ip access-list extended DSI-MGMT

remark allow SSH from DSI computers to network devices MGMT

permit ip 192.168.50.0 0.0.0.255 any

line con 0

!

line vty 0 4

access-class DSI-MGMT in

login local

transport input ssh

line vty 5 15

login

!

!

!

ntp server 192.168.150.3

!

end

Fichier de configuration switch étage 2 :

Current configuration : 1976 bytes

!

version 15.0

no service timestamps log datetime msec

no service timestamps debug datetime msec

no service password-encryption

!

hostname switchetage2

!

!

!

ip ssh version 2

no ip domain-lookup

ip domain-name bober

!

username admin privilege 15 password 0 admin

!

vtp mode transparent

!

!

!

spanning-tree mode rapid-pvst

spanning-tree extend system-id

!

vlan 50

name DSI

!

vlan 60

name RD

!

vlan 80

name DG

!

vlan 90

name DF

!

vlan 100

name MGMT

!

vlan 110

name SJ

!

interface FastEthernet0/1

switchport access vlan 50

switchport mode access

!

interface FastEthernet0/2

switchport access vlan 60

switchport mode access

!

interface FastEthernet0/3

switchport access vlan 80

switchport mode access

!

interface FastEthernet0/4

switchport access vlan 110

switchport mode access

!

interface FastEthernet0/5

!

interface FastEthernet0/6

switchport access vlan 90

switchport mode access

!

interface FastEthernet0/7

!

interface FastEthernet0/8

!

interface FastEthernet0/9

!

interface FastEthernet0/10

!

interface FastEthernet0/11

!

interface FastEthernet0/12

!

interface FastEthernet0/13

!

interface FastEthernet0/14

!

interface FastEthernet0/15

!

interface FastEthernet0/16

!

interface FastEthernet0/17

!

interface FastEthernet0/18

!

interface FastEthernet0/19

!

interface FastEthernet0/20

!

interface FastEthernet0/21

!

interface FastEthernet0/22

!

interface FastEthernet0/23

!

interface FastEthernet0/24

!

interface GigabitEthernet0/1

switchport trunk allowed vlan 50,60,80,90,100,110

switchport mode trunk

!

interface GigabitEthernet0/2

!

interface Vlan1

no ip address

shutdown

!

interface Vlan100

ip address 192.168.100.52 255.255.255.0

!

ip default-gateway 192.168.100.30

!

!

!

!

ip access-list extended DSI-MGMT

remark allow SSH from DSI computers to network devices MGMT

permit ip 192.168.50.0 0.0.0.255 any

line con 0

!

line vty 0 4

access-class DSI-MGMT in

login local

transport input ssh

line vty 5 15

login

!

!

!

ntp server 192.168.150.3

!

Fichier de configuration switch niv 3 (cœur de réseau) :

Current configuration : 4078 bytes

!

version 16.3.2

no service timestamps log datetime msec

no service timestamps debug datetime msec

no service password-encryption

!

hostname switchcoeur

!

!

!

!

!

!

!

no ip cef

ip routing

!

no ipv6 cef

!

!

!

username admin privilege 15 password 0 admin

!

!

!

!

!

!

!

!

!

!

ip ssh version 2

no ip domain-lookup

ip domain-name bober

!

!

vtp mode transparent

!

spanning-tree mode rapid-pvst

!

!

!

!

!

!

vlan 10

name VENTES

!

vlan 20

name SG

!

vlan 30

name RH

!

vlan 40

name COM

!

vlan 50

name DSI

!

vlan 60

name RD

!

vlan 70

name DM

!

vlan 80

name DG

!

vlan 90

name DF

!

vlan 100

name MGMT

!

vlan 110

name SJ

!

vlan 150

name SRV

!

vlan 200

name SRV\_DMZ

!

vlan 201

name PARE-FEU

!

interface GigabitEthernet1/0/1

switchport trunk allowed vlan 10,20,100

switchport mode trunk

!

interface GigabitEthernet1/0/2

switchport trunk allowed vlan 30,40,70,100

switchport mode trunk

!

interface GigabitEthernet1/0/3

switchport trunk allowed vlan 50,60,80,90,100,110

switchport mode trunk

!

interface GigabitEthernet1/0/4

switchport access vlan 150

switchport mode access

!

interface GigabitEthernet1/0/5

switchport access vlan 201

switchport mode access

!

interface GigabitEthernet1/0/6

switchport access vlan 150

switchport mode access

!

interface GigabitEthernet1/0/7

switchport access vlan 150

switchport mode access

!

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

!

interface GigabitEthernet1/0/23

!

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 0002.4ab6.8b01

ip address 192.168.10.254 255.255.255.0

ip helper-address 192.168.150.1

!

interface Vlan20

mac-address 0002.4ab6.8b02

ip address 192.168.20.254 255.255.255.0

ip helper-address 192.168.150.1

!

interface Vlan30

mac-address 0002.4ab6.8b03

ip address 192.168.30.254 255.255.255.0

ip helper-address 192.168.150.1

!

interface Vlan40

mac-address 0002.4ab6.8b04

ip address 192.168.40.254 255.255.255.0

ip helper-address 192.168.150.1

!

interface Vlan50

mac-address 0002.4ab6.8b05

ip address 192.168.50.254 255.255.255.0

ip helper-address 192.168.150.1

!

interface Vlan60

mac-address 0002.4ab6.8b06

ip address 192.168.60.254 255.255.255.0

ip helper-address 192.168.150.1

!

interface Vlan70

mac-address 0002.4ab6.8b07

ip address 192.168.70.254 255.255.255.0

ip helper-address 192.168.150.1

!

interface Vlan80

mac-address 0002.4ab6.8b08

ip address 192.168.80.254 255.255.255.0

ip helper-address 192.168.150.1

!

interface Vlan90

mac-address 0002.4ab6.8b09

ip address 192.168.90.254 255.255.255.0

ip helper-address 192.168.150.1

!

interface Vlan100

mac-address 0002.4ab6.8b0a

ip address 192.168.100.30 255.255.255.0

!

interface Vlan110

mac-address 0002.4ab6.8b0b

ip address 192.168.110.254 255.255.255.0

ip helper-address 192.168.150.1

!

interface Vlan150

mac-address 0002.4ab6.8b0c

ip address 192.168.150.254 255.255.255.0

!

interface Vlan200

mac-address 0002.4ab6.8b0d

ip address 192.168.200.254 255.255.255.0

!

interface Vlan201

mac-address 0002.4ab6.8b0e

ip address 192.168.201.254 255.255.255.252

!

ip classless

ip route 192.168.200.0 255.255.255.0 192.168.201.253

ip route 0.0.0.0 0.0.0.0 192.168.201.253

!

ip flow-export version 9

!

!

ip access-list extended DSI-MGMT

remark allow SSH from DSI computers to network devices MGMT

permit ip 192.168.50.0 0.0.0.255 any

!

!

!

!

!

line con 0

!

line aux 0

!

line vty 0 4

access-class DSI-MGMT in

login local

transport input ssh

!

!

!

ntp server 192.168.150.3

!

end