

Les documents justificatifs

- Configurer les fonctions de base du réseau local (Ethernet, IPv4, intro IPv6, commutation, VLANs, routage statique)

```
Switch(config)#hostname Gies/Dieng
```

```
Gies/Dieng (config)#enable secret admin
```

```
Gies/Dieng (config)# line vty 0 4
```

```
Gies/Dieng (config-line)# password virt
```

```
Gies/Dieng (config)# Interface vlan2 (création du vlan automatique)
```

```
Gies/Dieng(config-if)#ip address 192.168.10.4 255.255.255.0
```

```
Switch>enable
Switch#configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
Switch(config)#hostname Gies/Dieng
Nov  9 14:21:14.716: %PNP-6-PNP_DISCOVERY_STOPPED: PnP Discovery stopped (Aborted by non-PnP bootstrapping)
Gies/Dieng(config)#exit
Gies/Dieng(config)#
Gies/Dieng(config)#hostname GiesDieng
GiesDieng(config)#password admin
^
% Invalid input detected at '^' marker.

GiesDieng(config)#pa
GiesDieng(config)#pass
GiesDieng(config)#passw
GiesDieng(config)#password ad
GiesDieng(config)#password adm
GiesDieng(config)#password admin.
^
% Invalid input detected at '^' marker.

GiesDieng(config)#exit
GiesDieng#
Nov  9 14:23:42.600: %SYS-5-CONFIG_I: Configured from console by console
GiesDieng#configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
GiesDieng(config)#password admin
^
% Invalid input detected at '^' marker.

GiesDieng(config)#enable secret admin
GiesDieng(config)#line vty 0 4
GiesDieng(config-line)#password virt
GiesDieng(config-line)#login
GiesDieng(config-line)#exit
GiesDieng(config)#interface vlan2
GiesDieng(config-if)#
```

Nous avons défini le nom du commutateur GiesDieng, définit le mot de passe (admin) mode privilégié, et le mot de passe (virt) pour l'accès telnet. Nous avons utilisé les commandes si dessus. Nous avons aussi créé le Vlan 2

```
GiesDieng(config-if)#ip address 192.168.10.4 255.255.255.0
GiesDieng(config-if)#
```

Par la suite nous avons, paramétrer le vlan2 avec l'adresse IP du server TFTP.

```
GiesDieng#configure tftp
GiesDieng#configure tftpserver
Enter configuration commands, one per line. End with CNTL/Z.
GiesDieng(config)#interface
GiesDieng(config)#interface
GiesDieng(config)#interface gig
GiesDieng(config)#interface gigabitEthernet 1
Nov  9 16:14:45.435: %CDP-4-NATIVE_VLAN_MISMATCH: Native VLAN mismatch discovered on GigabitEthernet1/0/1 (1), with SW1-TF2-lab-lan FastEthernet0/12 (2).
% Incomplete command.
GiesDieng(config)#interface gigabitEthernet 1/0/1
GiesDieng(config-if)#
GiesDieng(config-if)#
Nov  9 16:15:45.441: %CDP-4-NATIVE_VLAN_MISMATCH: Native VLAN mismatch discovered on GigabitEthernet1/0/1 (1), with SW1-TF2-lab-lan FastEthernet0/12 (2).
Nov  9 16:16:45.451: %CDP-4-NATIVE_VLAN_MISMATCH: Native VLAN mismatch discovered on GigabitEthernet1/0/1 (1), with SW1-TF2-lab-lan FastEthernet0/12 (2).
GiesDieng(config-if)#
GiesDieng(config-if)#switchport access gig
GiesDieng(config-if)#switchport access vlan 2
GiesDieng(config-if)#
Nov  9 16:17:08.575: %LINEPROTO-5-UPDOWN: Line protocol on Interface Vlan1, changed state to down
GiesDieng(config-if)#
GiesDieng(config-if)#switchport mode access
GiesDieng(config-if)#exit
GiesDieng(config)#exit
Nov  9 16:17:18.579: %LINEPROTO-5-UPDOWN: Line protocol on Interface Vlan2, changed state to up
GiesDieng#
Nov  9 16:17:40.897: %SYS-5-CONFIG_1: Configured from console by console
GiesDieng#show
GiesDieng#show running
GiesDieng#show running-config
Building configuration...

Current configuration : 1529 bytes
!
! Last configuration change at 16:17:40 UTC Tue Nov 9 2021
! NVRAM config last updated at 16:15:10 UTC Tue Nov 9 2021
!
version 15.2
no service pad
service timestamps debug datetime msec
service timestamps log datetime msec
no service password-encryption
!
hostname GiesDieng
!
boot-start-marker
boot-end-marker
!
enable secret 5 $1gha1T0H112y0W/TKta8trv0W.
!
no aaa new-model
switch 1 provision ws-c2960x-24ts-l
!
!
```

Nous avons paramétré les accès au vlan en fonction des différents ports Giga-Ethernet