# Bảng lệnh cấu hình:

# Cấu hình Cơ bản và Bảo mật**:**

**SW-Core1:**

# enable

# conf t

# no ip cef

# no ip routing

# hostname SW-core1

# banner motd #This is Switch SW-core1#

# enable secret cisco

# service password-encryption

# line con 0

# password cisco

# login

# exit

# ip domain-name fpt.vn

# username FPTJETKING@02 secret cisco

# crypto key generate rsa

# 2048

# line vty 0 4

# pass cisco

# login

# transport input ssh

# login local

# ip ssh version 2

# exit

# wr

# **SW-Core2:**

# enable

# conf t

# no ip cef

# no ip routing

# hostname SW-core2

# banner motd #This is Switch SW-core2#

# enable secret cisco

# service password-encryption

# line con 0

# password cisco

# login

# exit

# ip domain-name fpt.vn

# username FPTJETKING@02 secret cisco

# crypto key generate rsa

# 2048

# line vty 0 4

# pass cisco

# login

# transport input ssh

# login local

# ip ssh version 2

# exit

# wr

# **SW-PSV:**

# enable

# conf t

# no ip cef

# no ip routing

# hostname SW-SPV

# banner motd # This is Switch SW-SPV#

# enable secret cisco

# service password-encryption

# line con 0

# password cisco

# login

# exit

# ip domain-name ftp.vn

# username FPTJETKING@02 secret cisco

# crypto key generate rsa

# 2048

# line vty 0 4

# pass cisco

# login

# transport input ssh

# login local

# ip ssh version 2

# exit

# wr

# **SW-1:**

# enable

# conf t

# no ip cef

# no ip routing

# hostname SW-1

# banner motd #This is Switch SW1#

# enable secret cisco

# service password-encryption

# line con 0

# password cisco

# login

# exit

# ip domain-name fpt.vn

# username FPTJETKING@02 secret cisco

# crypto key generate rsa

# 2048

# line vty 0 4

# pass cisco

# login

# transport input ssh

# login local

# ip ssh version 2

# exit

# wr

# **SW-2:**

# enable

# conf t

# no ip cef

# no ip routing

# hostname SW-2

# banner motd # This is Switch SW-2#

# enable secret cisco

# service password-encryption

# line con 0

# password cisco

# login

# exit

# ip domain-name fpt.vn

# username FPTJETKING@02 secret cisco

# crypto key generate rsa

# 2048

# line vty 0 4

# pass cisco

# login

# transport input ssh

# login local

# ip ssh version 2

# exit

# wr

1. **Cấu hình EtherChannel và** **Trunking**

**SW-Core1:**

int range e1/0-1

switchport trunk encap dot1q

switchport mode trunk

switchport trunk allowed vlan all

channel-group 1 mode active

exit

int po1

switchport trunk encap dot1q

switchport mode trunk

switchport trunk allowed vlan all

exit

int range e0/1, e0/3

switchport trunk encap dot1q

switchport mode trunk

switchport trunk allowed vlan all

channel-group 2 mode active

exit

int po2

switchport trunk encap dot1q

switchport mode trunk

switchport trunk allowed vlan all

exit

int range e0/2, e1/2

switchport trunk encap dot1q

switchport mode trunk

switchport trunk allowed vlan all

channel-group 3 mode active

exit

int po3

switchport trunk encap dot1q

switchport mode trunk

switchport trunk allowed vlan all

exit

**SW-Core2:**

# int range e1/0-1

# switchport trunk encap dot1q

# switchport mode trunk

# switchport trunk allowed vlan all

# channel-group 1 mode active

# exit

# int po1

# switchport trunk encap dot1q

# switchport mode trunk

# switchport trunk allowed vlan all

# exit

# int range e0/1, e0/3

# switchport trunk encap dot1q

# switchport mode trunk

# switchport trunk allowed vlan all

# channel-group 2 mode active

# exit

# int po2

# switchport trunk encap dot1q

# switchport mode trunk

# switchport trunk allowed vlan all

# exit

# int range e0/2, e1/2

# switchport trunk encap dot1q

# switchport mode trunk

# switchport trunk allowed vlan all

# channel-group 3 mode active

# exit

# int po3

# switchport trunk encap dot1q

# switchport mode trunk

# switchport trunk allowed vlan all

# exit

**SW-1:**

int range e0/0, e0/3

switchport trunk encap dot1q

switchport mode trunk

switchport trunk allowed vlan all

channel-group 1 mode active

exit

int po1

switchport trunk encap dot1q

switchport mode trunk

switchport trunk allowed vlan all

exit

int range e0/2, e1/0

switchport trunk encap dot1q

switchport mode trunk

switchport trunk allowed vlan all

channel-group 2 mode active

exit

int po2

switchport trunk encap dot1q

switchport mode trunk

switchport trunk allowed vlan all

exit

Wr

**SW-2:**

int range e0/0, e0/3

switchport trunk encap dot1q

switchport mode trunk

switchport trunk allowed vlan all

channel-group 1 mode active

exit

int po1

switchport trunk encap dot1q

switchport mode trunk

switchport trunk allowed vlan all

exit

int range e0/2, e1/0

switchport trunk encap dot1q

switchport mode trunk

switchport trunk allowed vlan all

channel-group 2 mode active

exit

int po2

switchport trunk encap dot1q

switchport mode trunk

switchport trunk allowed vlan all

exit

# Cấu hình VTP

# **SW-Core1; SW-Core2**

# vtp version 2

# vtp domain fpt

# vtp password cisco

# vtp mode sever

# **SW-1; SW-2**

vtp version 2

vtp domain fpt

vtp password cisco

vtp mode client

1. **Đặt tên cho Vlan:**

**SW-Core1, SW-Core2**

vlan 10

name MGMT

vlan 20

name IT

vlan 30

name USERS

1. **Cấu hình IP Vlan:**

**SW CORE -1:**

int vlan 10

ip add 10.1.1.1 255.255.255.0

no shut

exit

int vlan 20

ip add 10.1.2.1 255.255.255.0

no shut

exit

int vlan 30

ip add 10.1.3.1 255.255.255.0

no shut

exit

**SW CORE-2:**

int vlan 10

ip add 10.1.1.2 255.255.255.0

no shut

exit

int vlan 20

ip add 10.1.2.2 255.255.255.0

no shut

exit

int vlan 30

ip add 10.1.3.2 255.255.255.0

no shut

exit

1. **Cấu hình Interface VLAN với Địa chỉ IP**

**SW-1, SW-2**

SW-1

int vlan 10

ip add 10.1.1.10 255.255.255.0

no sh

exit

SW-2

int vlan 30

ip add 10.1.3.10 255.255.255.0

no sh

exit

1. **Cấu hình cổng Access**

**SW-1:**

int e0/1

sw acc vlan 10

sw m acc

exit

**SW-2:**

int e0/1

sw acc vlan 30

sw m acc

exit

# Cấu hình Giao diện Layer 3 với Địa chỉ IP

# SW-Core1

# interface e0/0

# no switchport

# ip address 192.168.1.2 255.255.255.0

# no shutdown

# exit

# SW-Core2

# interface e0/0

# no switchport

# ip address 192.168.2.2 255.255.255.0

# no shutdown

# exit

# Cấu hình Định tuyến Tĩnh

# SW-Core1:

# ip route 0.0.0.0 0.0.0.0 192.168.1.1

# SW-Core2:

# ip route 0.0.0.0 0.0.0.0 192.168.2.1

# Cấu hình HSRP

# SW-Core1;

# conf t

# int vlan 10

# ip add 10.1.1.1 255.255.255.0

# no shut

# standby 10 ip 10.1.1.254

# standby 10 preempt

# exit

# int vlan 20

# ip add 10.1.2.1 255.255.255.0

# no shut

# standby 20 ip 10.1.2.254

# standby 20 preempt

# exit

# int vlan 30

# ip add 10.1.3.1 255.255.255.0

# no shut

# standby 30 ip 10.1.3.254

# standby 30 preempt

# Exit

# SW-Core2

# int vlan 10

# ip add 10.1.1.2 255.255.255.0

# no shut

# standby 10 ip 10.1.1.254

# standby 10 preempt

# exit

# int vlan 20

# ip add 10.1.2.2 255.255.255.0

# no shut

# standby 20 ip 10.1.2.254

# standby 20 preempt

# exit

# int vlan 30

# ip add 10.1.3.2 255.255.255.0

# no shut

# standby 30 ip 10.1.3.254

# standby 30 preempt

# exit

# Cấu hình Fotinet

# en

# exit

# en

# conf t

# hostname Fotinet

# exit

# show run

# show ip int b

# show router

# conf t

# domain-name fpt.vn

# enable password 123

# exit

# exit

# en

# write memory

# config system interface

# edit port1

# set allowaccess ping http https telnet ssh

# set ip 172.16.0.135 255.255.255.0

# next

# end