1. **Đối với SW13**

ena

conf t

vlan 10

name Account

exit

spanning-tree mode mst

spanning-tree mst configuration

instan 1 vlan 10,20

instan 2 vlan 30,40

exit

inter range e0/1,e0/3

sw mode acc

sw acc vlan 10

spanning-tree portfast edge

spanning-tree bpduguard enable

exit

switchport nonegotiate

inter range e0/0,e0/2

sw trunk encapsulation dot1q

sw mode trunk

exit

1. **Đối với SW16**

ena

conf t

vlan 20

name Customer\_Service

exit

spanning-tree mode mst

spanning-tree mst configuration

instan 1 vlan 10,20

instan 2 vlan 30,40

exit

inter range e0/2-3

sw mode acc

sw acc vlan 20

spanning-tree portfast edge

spanning-tree bpduguard enable

exit

switchport nonegotiate

inter range e0/0-1

sw trunk encapsulation dot1q

sw mode trunk

exit

1. **Đối với SW12**

ena

conf t

vlan 30

name Engineer

exit

spanning-tree mode mst

spanning-tree mst configuration

instan 1 vlan 10,20

instan 2 vlan 30,40

exit

inter range e0/0,e0/3

sw mode acc

sw acc vlan 30

spanning-tree portfast edge

spanning-tree bpduguard enable

exit

switchport nonegotiate

inter range e0/1-2

sw trunk encapsulation dot1q

sw mode trunk

exit

ip access-list extend DENY\_ACCESS

permit tcp any 192.168.1.128 0.0.0.63 eq telnet

exit

vlan access-map DONT

match ip address DENY\_ACCESS

action drop

vlan access-map DONT

action forward

exit

vlan filter DONT vlan-list all

1. **Đối với SW11**

ena

conf t

vlan 40

name IT

exit

spanning-tree mode mst

spanning-tree mst configuration

instan 1 vlan 10,20

instan 2 vlan 30,40

exit

inter range e0/2-3

sw mode acc

sw acc vlan 40

spanning-tree portfast edge

spanning-tree bpduguard enable

exit

switchport nonegotiate

inter range e0/0-1

sw trunk encapsulation dot1q

sw mode trunk

exit

1. **Đối với SWL36**

ena

conf t

vtp domain phongptit.edu

vtp password 123

vtp mode client

switchport nonegotiate

inter range e0/0-3,e1/0-1

sw trunk encapsulation dot1q

sw mode trunk

exit

spanning-tree mode mst

spanning-tree mst configuration

instan 1 vlan 10,20

instan 2 vlan 30,40

exit

1. **Đối với SWL32**

ena

conf t

vtp domain phongptit.edu

vtp password 123

vtp mode client

switchport nonegotiate

inter range e0/0-3,e1/0-1

sw trunk encapsulation dot1q

sw mode trunk

exit

spanning-tree mode mst

spanning-tree mst configuration

instan 1 vlan 10,20

instan 2 vlan 30,40

exit

1. **SWL33**

ena

conf t

vlan 10

name Account

vlan 20

name Customer\_Service

vlan 30

name Engineer

vlan 40

name IT

exit

vtp domain phongptit.edu

vtp password 123

vtp mode server

inter vlan 10

no shut

ip add 192.168.1.62 255.255.255.192

standby 1 ip 192.168.1.1

standby 1 priority 150

standby 1 preempt

inter vlan 20

no sh

ip add 192.168.1.126 255.255.255.192

standby 2 ip 192.168.1.65

standby 2 priority 150

standby 2 preempt

inter vlan 30

no shut

ip add 192.168.1.190 255.255.255.192

standby 3 ip 192.168.1.129

inter vlan 40

no shut

ip add 192.168.1.254 255.255.255.192

standby 4 ip 192.168.1.193

exit

switchport nonegotiate

inter range e0/0-1

sw trunk encapsulation dot1q

sw mode trunk

exit

inter range e0/2-3,e1/0,e1/3

channel-group 1 mode active

no sh

exit

inter port 1

no shut

sw trunk encapsulation dot1q

sw mode trunk

exit

port-channel load-balance src-dst-ip

spanning-tree mode mst

spanning-tree mst configuration

instan 1 vlan 10,20

instan 2 vlan 30,40

exit

spanning-tree mst 1 root primary

spanning-tree mst 2 root secondary

inter range e1/1-2

no switchport

exit

ip routing

1. **SWL31**

ena

conf t

vtp domain phongptit.edu

vtp password 123

vtp mode server

vlan 10

name Account

vlan 20

name Customer\_Service

vlan 30

name Engineer

vlan 40

name IT

exit

inter vlan 10

no shut

ip add 192.168.1.61 255.255.255.192

standby 1 ip 192.168.1.1

inter vlan 20

no shut

ip add 192.168.1.125 255.255.255.192

standby 2 ip 192.168.1.65

inter vlan 30

no shut

ip add 192.168.1.189 255.255.255.192

standby 3 ip 192.168.1.129

standby 3 priority 150

standby 3 preempt

inter vlan 40

no shut

ip add 192.168.1.253 255.255.255.192

standby 4 ip 192.168.1.193

standby 4 priority 150

standby 4 preempt

exit

switchport nonegotiate

inter range e0/0-1

sw trunk encapsulation dot1q

sw mode trunk

exit

inter range e0/2-3,e1/0,e1/3

channel-group 1 mode passive

exit

inter port 1

no shut

sw trunk encapsulation dot1q

sw mode trunk

exit

port-channel load-balance src-dst-ip

spanning-tree mode mst

spanning-tree mst configuration

instan 1 vlan 10,20

instan 2 vlan 30,40

exit

spanning-tree mst 2 root primary

spanning-tree mst 1 root secondary

inter range e1/1-2

no switchport

exit

ip routing