

## Ether Channel

in Trunk ၈၃: in Allowed ၈၃: Native Vlan ပေးရမယ် in EtherChannel

```
S1(config)# interface range f0/1-2
S1(config-if-range)# channel-group 1 mode active
S1(config-if-range)# exit
S2(config)# interface range f0/1-2
S2(config-if-range)# channel-group 1 mode active
S2(config-if-range)# exit
```

0	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
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`int po 1`     $\rightarrow$   $\text{Port Channel } \text{VLAN} : 20, \text{ } \text{VLAN} : 20 \text{ } \text{Trunk}$

`switchport mode trunk`     $\rightarrow$

## Inter Vlan

1. Activate interface `Serial0/0/1` on the router.

```
R1(config)# interface g0/0/1
R1(config-if)# no shutdown
R1(config-if)# exit
```

2. Configure sub-interfaces for each VLAN as specified in the IP addressing table. The sub-interface for the native VLAN does not have an IP address assigned. In

```
R1(config)# interface g0/0/1.3
R1(config-subif)# description Management Network
R1(config-subif)# encapsulation dot1q 3
R1(config-subif)# ip address 192.168.3.1 255.255.255.0
R1(config-subif)# interface g0/0/1.4
R1(config-subif)# description Operations Network
R1(config-subif)# encapsulation dot1q 4
R1(config-subif)# ip address 192.168.4.1 255.255.255.0
R1(config-subif)# interface g0/0/1.8
R1(config-subif)# description Native VLAN
R1(config-subif)# encapsulation dot1q 8 native
```

# Spanning-tree

```
S2(config)# spanning-tree vlan 1,10,99 root primary
```

b. Configure switch S1 to be the secondary root bridge for all existing VLANs. in the space provided.

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```
S1(config)# spanning-tree vlan 1,10,99 root secondary
```

```
S2(config)# spanning-tree mode rapid-pvst  
S3(config)# spanning-tree mode rapid-pvst
```

ข้อนี้

Spanning-tree portfast คือการ: รอให้ PC ต่อ SW ไม่ต้องรอให้ SW เสร็จก่อน P' Big non.

```
S1(config)# interface f0/6  
S1(config-if)# spanning-tree portfast
```

b. Configure interface F0/6 on S1 with BPDU guard. Write the command

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```
S1(config)# interface f0/6  
S1(config-if)# spanning-tree bpduguard enable
```