

Etherchannel

Configuration

LACP

	Active	Passive
Active	yes	yes
Passive	yes	no

PAgP

	Desirable	auto
Desirable	yes	yes
auto	yes	no

Static persistenace

	ON
ON	yes

Commands

Create etherchannel

```
interface range fa0/1 - 2 ## Select interface for group
shutdown
## Assign group
channel-group [group-id] mode [active | passive | desirable | auto | on]
no shutdown
```

Configure group

```
interface port-channel [group-id]
switchport mode trunk
switchport trunk allowed vlan [vlan-id]
```

Notes

- `switchport trunk allowed` is required only if you want to allow specific vlans, by default all vlans are allowed

- `switchport mode trunk` is required only if you want to use trunk mode (transport multiple vlans), by default it is access mode

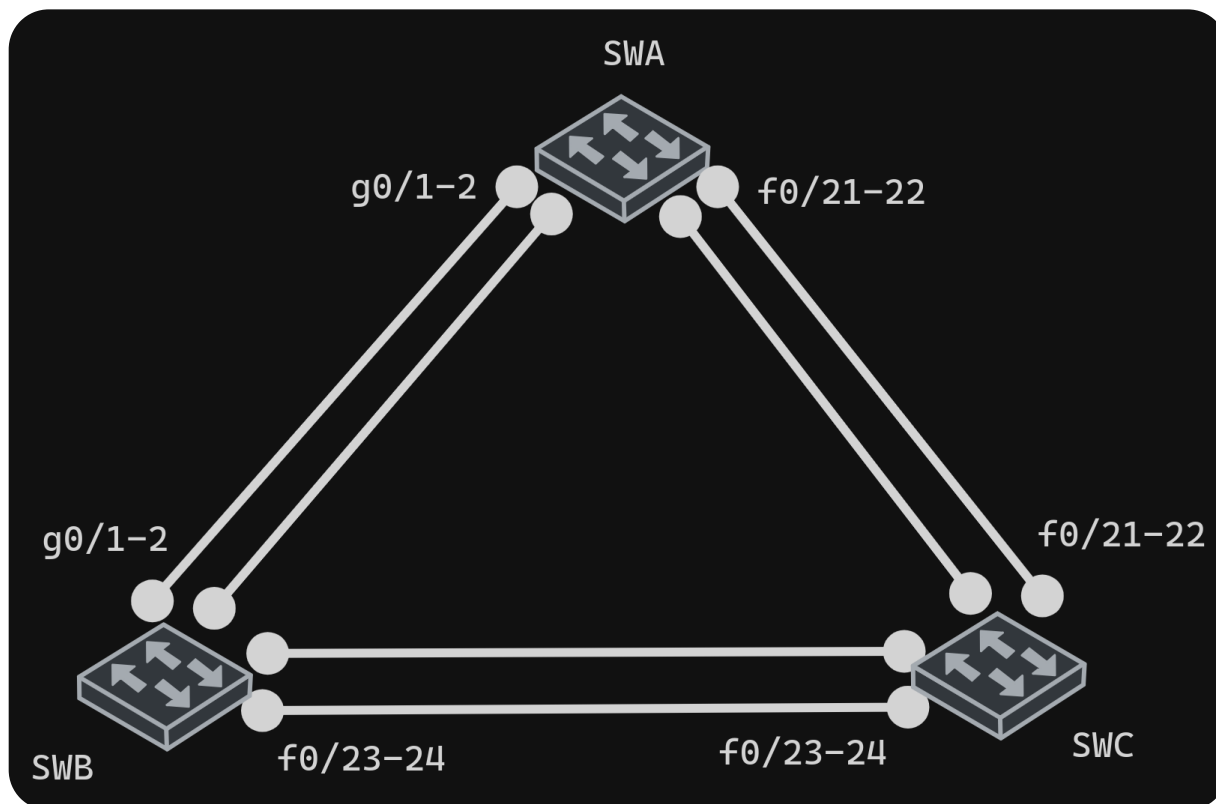
Show etherchannel

```
show etherchannel summary
show etherchannel port-channel
show etherchannel port-channel [group-id]
```

Remove etherchannel

```
interface range fa0/1 - 2 ## Select interface for group
shutdown
no channel-group [group-id] mode [active | passive | desirable | auto | on]
no shutdown
```

Example 1



SWA

```
# Etherchannel group 1 #
interface range g0/1 - 2
shutdown
channel-group 1 mode desirable
no shutdown
```

```
interface port-channel 1
switchport mode trunk
# Etherchannel group 2 #
interface range f0/21-22
shutdown
channel-group 2 mode active
no shutdown
interface port-channel 2
switchport mode trunk
```

SWB

```
# Etherchannel group 1 #
interface range g0/1 - 2
shutdown
channel-group 1 mode auto
no shutdown
interface port-channel 1
switchport mode trunk
# Etherchannel group 3 #
interface range f0/23-24
shutdown
channel-group 3 mode passive
no shutdown
interface port-channel 3
switchport mode trunk
```

SWC

```
# Etherchannel group 2 #
interface range f0/21-22
shutdown
channel-group 2 mode active
no shutdown
interface port-channel 2
switchport mode trunk
# Etherchannel group 3 #
interface range f0/23-24
shutdown
channel-group 3 mode active
no shutdown
interface port-channel 3
switchport mode trunk
```