

Troubleshooting EtherChannel Bundles:

- o Due to logical all the member interfaces must have the same characteristics.
- o If they do not have same characteristics & configuration problems will occur.
- o The following configuration settings must match on the member interfaces.

Port Type:

- o Every port in interface must be consistently configured to be Layer 2 or Layer 3.

Port Mode:

- o All Layer 2 port channels must be configured as either access ports or trunk ports.
- o All Layer 2 port channels must be the same configuration ports cannot be mixed.

Native VLAN:

- o Member interfaces on Layer 2 trunk port channel must be configured same native VLAN.
- o Native VLAN can be configured using the command `switchport trunk native vlan vlan-id`.

Allowed VLAN:

- o Member interfaces on Layer 2 trunk port channel must be configured same VLANs.
- o Same allow VLAN can be configured using command `switchport trunk allowed vlan-ids`.

Speed:

- o All member interfaces or ports in port channel must be the same speed.

Duplex:

- o The duplex must be the same for all member interfaces or ports in Port Channel link.

MTU:

- o All Layer 3 member interfaces or ports must have the same MTU configured.
- o Interface cannot be added to port channel if MTU does not match the MTU.

Storm Control:

- o Member must be configured same storm control settings on all member interfaces.

Let's Change Some Configuration & Test
Sw1(config-if)#interface e0/0 Sw1(config-if)#no switchport Sw1(config-if)#ip address 1.1.1.1 255.0.0.0
Sw1(config-if)#interface e0/0 Sw1(config-if)#switchport mode access
Sw1(config)#interface e0/0 Sw1(config-if)#switchport trunk native vlan 2
Sw1(config-if)#interface e0/0 Sw1(config-if)#switchport trunk allowed vlan 1,2
Sw1(config-if)#interface e0/0 Sw1(config-if)#duplex half
Sw2#show etherchannel summary