

EtherChannel Misconfiguration Guard:

- o EtherChannel Guard is a way of finding out error in the etherchannel port channel.
- o Etherchannel guard finding if one end of the EtherChannel is not configured properly.
- o This could be that there are some parameters not matching up such as duplex a speed.
- o Alternatively, it could be that one side is a trunk and the other is not trunk link or port.
- o After the misconfiguration found, the switch places the interfaces in error-disabled state.
- o After misconfiguration found in EtherChannel configuration the switch will display error.

Commands
SW1(config)#spanning-tree etherchannel guard misconfig
SW2(config)#spanning-tree etherchannel guard misconfig
SW1#show spanning-tree summary
SW2#show spanning-tree summary
SW1# show interfaces status err-disabled
SW2# show interfaces status err-disabled

```
SW1#show spanning-tree summary
Switch is in rapid-pvst mode
Root bridge for: VLAN0001
Extended system ID                is enabled
Portfast Default                   is disabled
Portfast Edge BPDU Guard Default  is disabled
Portfast Edge BPDU Filter Default is disabled
Loopguard Default                  is disabled
PVST Simulation Default            is enabled but
Bridge Assurance                   is enabled
EtherChannel misconfig guard       is enabled
Configured Pathcost method used is short
UplinkFast                         is disabled
BackboneFast                       is disabled
```