

What is Loop Guard

While using optic fiber cables, when (transmit or receive) fails we'll have a unidirectional link failure and this can cause spanning tree loops.

One of the methods we can use to solve our unidirectional link failure is to configure LoopGuard. When a switch is sending but not receiving BPDUs on the interface, LoopGuard will place the interface in the loop-inconsistent state and block all traffic!

Configuration:

Switch(config)#Interface fa 0/10

Switch(config-if)#spanning-tree guard loop

OR

Switch(config)#spanning-tree loopguard default

Use the spanning-tree loopguard default command to enable LoopGuard globally.