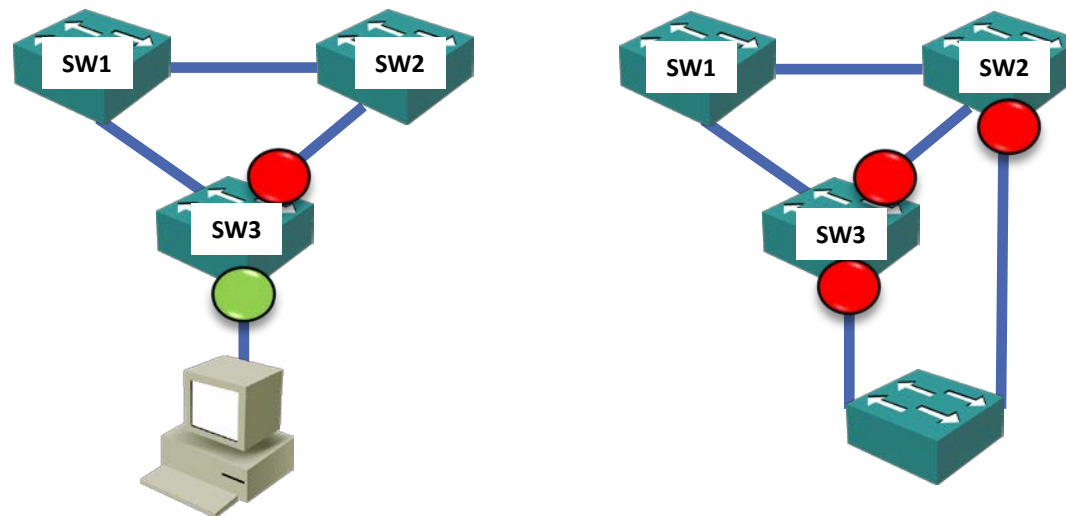


# Spanning Tree BPDUs Filter

- Switches send BPDUs, end hosts do not
- BPDU Filter is similar to BPDU Guard in that it detects unexpected BPDUs
- BPDU Guard error disables (brings down) ports which receive a BPDU
- BPDU Filter filters BPDUs on ports but does not err-disable them



# Spanning Tree BPDU Filter



BPDU Filter works differently depending on global or interface level configuration.

- **Global:** Applies to Portfast interfaces. Sends initial BPDUS then stops sending them. If a BPDU is received it removes PortFast, disables BPDU filtering and acts as a normal interface. Similar effect to PortFast Edge.
- **Interface:** Will not send BPDUs and will ignore incoming BPDUs. In effect this disables Spanning Tree.
- It is **NOT** typically recommended to enable BPDU Filter. A use case is if you have a single downstream connection to a legacy switch which is causing STP issues.

# Spanning Tree BPDU Filter

```
SW3(config)# spanning-tree portfast bpdufilter default
```

```
SW3(config)# interface g0/10
```

```
SW3(config-if)# spanning-tree bpdufilter enable
```

