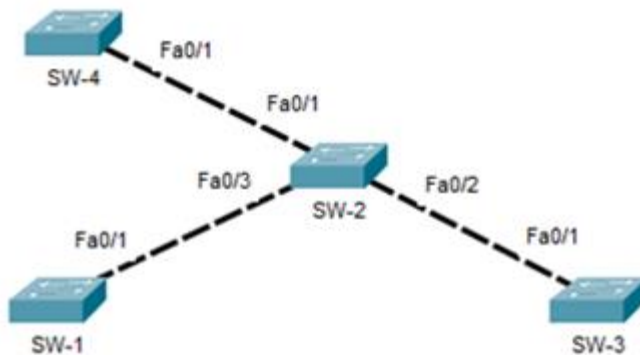


Cisco Discovery Protocol (CDP)

Lab Summary

Enable CDP globally on SW-1, SW-2 and SW-3. Disable CDP locally on SW-4 interface Fa0/1. Verify CDP switch neighbor connectivity from SW-2.

Figure 1 Lab Topology



Lab Configuration

Start Packet Tracer File: **cdp.pkt**

Click on *SW-1* icon and select *CLI* folder.

Step 1: Enter global configuration mode.

```
SW-1> enable  
SW-1# configure terminal
```

Step 2: Enable CDP globally on SW-1.

```
SW-1(config)# cdp run  
SW-1(config)# end  
SW-1# copy running-config startup-config
```

Click on *SW-2* icon and select *CLI* folder.

Step 3: Enter global configuration mode.

```
SW-2> enable  
SW-2# configure terminal
```

Step 4: Enable CDP globally on SW-2.

```
SW-2(config)# cdp run  
SW-2(config)# end  
SW-2# copy running-config startup-config
```

Click on SW-3 icon and select *CLI* folder.

Step 5: Enter global configuration mode.

```
SW-3> enable  
SW-3# configure terminal
```

Step 6: Enable CDP globally on SW-3.

```
SW-3(config)# cdp run  
SW-3(config)# end  
SW-3# copy running-config startup-config
```

Click on SW-4 icon and select *CLI* folder.

Step 7: Enter global configuration mode.

```
SW-4> enable  
SW-4# configure terminal
```

Step 8: Enable CDP globally on SW-4 and disable CDP locally on interface Fa0/1.

```
SW-4(config)# cdp run  
SW-4(config)# interface fastethernet0/1  
SW-4(config-if)# no cdp enable  
SW-4(config-if)# end  
SW-4# copy running-config startup-config
```

Step 9: Verify Lab

Click on Fast Forward Time 3x for faster network convergence.

The following command lists all neighbors of SW-2 and the local interface. Note that CDP was disabled on SW-4 interface Fa0/1 and not listed.

SW-2# show cdp neighbors

Capability Codes: R - Router, T - Trans Bridge, B - Source Route Bridge
S - Switch, H - Host, I - IGMP, r - Repeater, P - Phone

Device ID	Local Intrfce	Holdtme	Capability	Platform	Port ID
SW-1	Fas 0/3	121	S	2960	Fas 0/1
SW-3	Fas 0/2	147	S	2960	Fas 0/1

Lab Notes

CDP is enabled globally as a default setting on Cisco devices. All supported network interfaces are enabled as a result as well. This lab shows you how to reenale CDP when it has been disabled. You cannot enable CDP on an interface unless it is enabled globally as well. Cisco ASA firewalls do not support CDP for security reasons.