CDP Cisco Discovery Protocol

- Cisco Discovery Protocol (CDP) is a Cisco proprietary Layer 2 protocol.

- It is used to share information with other directly connected Cisco equipment, such as the operating system version and IP address.

- This aids in troubleshooting by allowing administrators to map out how Cisco devices are connected to each other.

- It is enabled by default on most Cisco equipment.

- It works at Layer 2 so it is not necessary for the device to have an IP address.

CDP Cisco Discovery Protocol

```
Switch(config)# cdp run
Switch(config)# no cdp run
Switch(config-if)# no cdp enable
Switch# show cdp
Switch# show cdp neighbors
Switch# show cdp neighbors detail
```

LLDP Link Layer Discovery Protocol

- LLDP (Link Layer Discovery Protocol) is an open standard protocol which provides similar information to CDP.

Differences with CDP:

- Depending on the switch and version it may be disabled by default
- It is only supported on physical interfaces
- It can only discover up to one device per port
- It can discover Linux servers

LLDP Link Layer Discovery Protocol Configuration

```
Switch(config)# lldp run
Switch(config)# no lldp run
Switch(config-if)# no lldp transmit
Switch(config-if)# no lldp receive
Switch# show lldp
Switch# show lldp neighbors
Switch# show lldp neighbors detail
```