**6.1 Switch Access:**

(FOCUSED ON CISCO) Out of band management is using a computer with a console to configure the switch for the first time

Using remote access in order to configure and manage a switch.

Console cables == Rollover cable.

There are no default passwords for Cisco Switches. There are two passwords that are important on Cisco devices: User mode pass and Enable mode pass.

To change passwords on Cisco switches and routers, first use ‘configure terminal’. Enable mode has two passwords: enable password and ‘enable secret password’.

Make sure to use enable to get to enable mode. Use ‘enable password secret’ to set a password for the enable mode. Use ‘enable password supersecret’ to set a password for the secret password within enable mode. Supersecret password is encrypted, but secret is not automatically secret.

**6.2:**

**6.3:**

By default, all Cisco switches come out of the box with all ports active.

By default there are no passwords configured on Cisco switches.

Need to configure:

* Passwords
  + Console and VTY and enable mode passwords
* IP addresses,
  + Telnet, SSH ip addresses
* Default gateway.

Switch interface configuration:

First enter enable to do any configuration. Use show version to show version. Use show ip interface brief to show all interfaces. Use show run to show configuration.

Configure each port to its supported speed using ‘speed x’ to assign its speed in mbps. Then set duplex to full.

PROTIP: Use question mark to see what commands are available. Use do before a command to force it to work on Cisco routers.