USB Forensics and Pentesting

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Certifications:

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USB Basics: Connecting

USB Connections

- Device is connected
- Hub detects
- Host (PC) is informed of new device
- Hub determines device speed capability as indicated by location of pull-up resistors
- Hub resets the device
- Host determines if device is capable of high speed (using chirps)
- Hub establishes a signal path
- Host requests descriptor from device to determine max packet size
- Host assigns an address
- Host learns devices capabilities
- Host assigns and loads an appropriate device driver (INF file)
- Device driver selects a configuration

USB Connection Demo