4.2.1.4 Network Platforms

Return to Platforms

A DIDO, by definition, is a collection of networked nodes. Traditionally, the network is assumed to be Ethernet with nodes connected over Local Area Network (LAN) and/or a Wide Area Network (WAN) using a Network Device.

The connections can either be:

- Wired Network using
  - Network Cabling
  - Universal Serial Bus (USB)
- Wireless Network using Wireless Fidelity (Wi-Fi)

Note: for Private, permissioned DIDOs, there may be explicit bans on wireless or even USB connections.

However, there is a lot of growth and development using other wireless connections other than Ethernet or USB. For example:

- Bluetooth
- ZigBee
- Near-Field-Communication (NFC)

Consequently, it is important to identify the kinds of connections that are required to support the DIDO. Some example are:

- Many contactless payments systems use Radio Frequency Identification (RFID) and NFC
- Many supply chains use RFID
- Many smart home efforts use WiFi and zigbee
- Many automobiles use Bluetooth to connect phones, make queries, play music, etc.

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