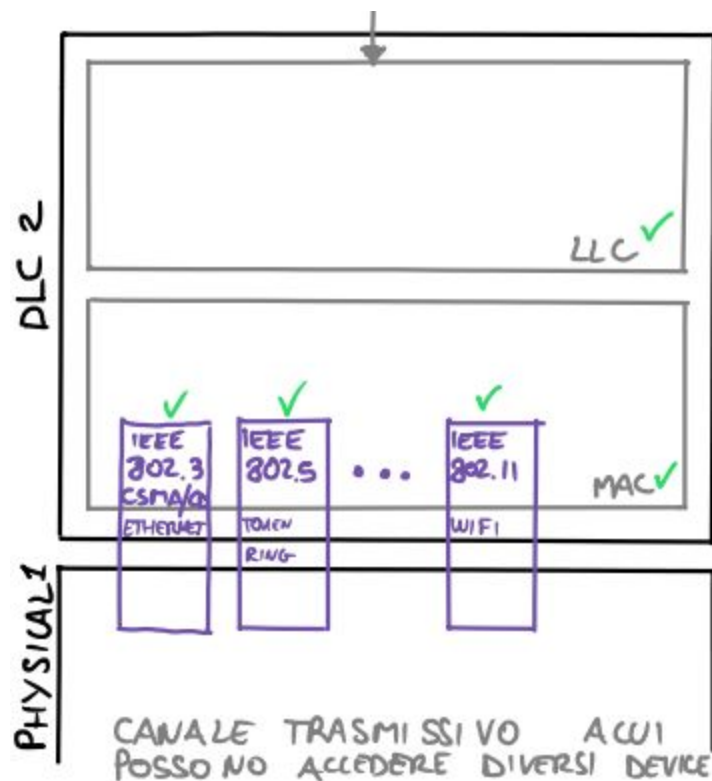


Standard Ethernet

IEEE802.3

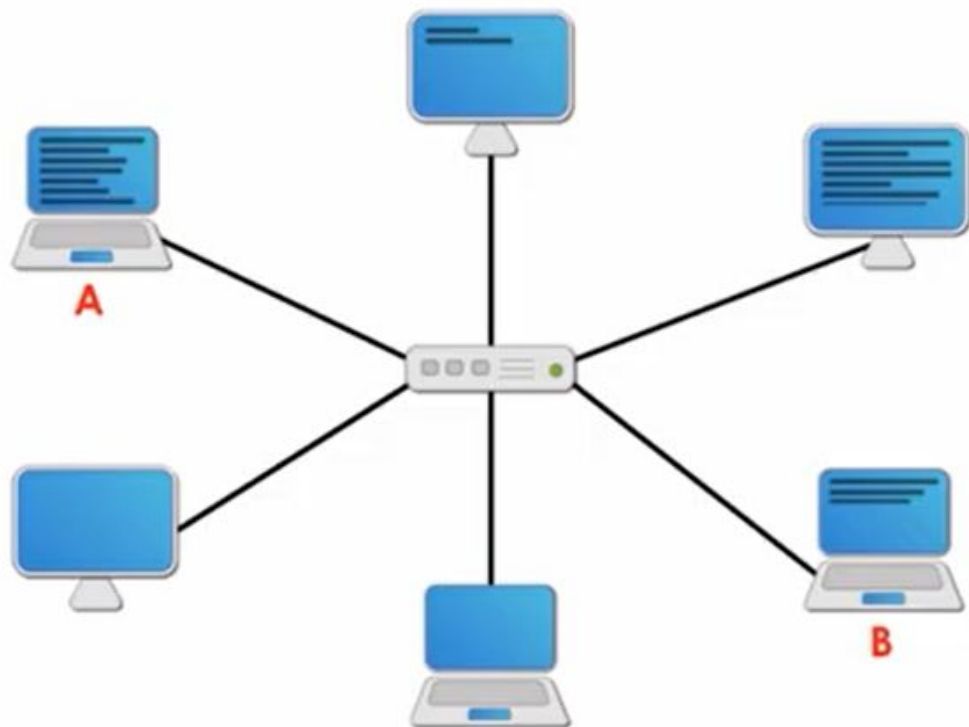
Ether - Net



- 802 – Overview and Architecture
- 802.1 – Bridging and Management
- 802.2 – Logical Link Control
- 802.3 – CSMA/CD Access Method [Ethernet]
- 802.4 – Token-Passing Bus Access Method
- 802.5 – Token Ring Access Method
- 802.6 – DQDB Access Method
- 802.7 – Broadband (Technical Advisory Group)
- 802.8 – Fiber-Optic (Technical Advisory Group)
- 802.9 – Isochronous LAN
- 802.10 – Interoperable LAN/MAN Security
- 802.11 – Wireless LAN [Wi-Fi]
- 802.12 – Demand Priority Access Method [100VG AnyLAN]
- 802.13 – Cable-TV Based Broadband Networks
- 802.14 – Cable Modem LAN
- 802.15 – Wireless PAN [Bluetooth]
- 802.16 – Broadband Wireless MAN *Metropolitan Area Network*
- 802.17 – Resilient Packet Ring
- 802.18 – Radio Regulatory (Technical Advisory Group)
- 802.19 – Coexistence (Technical Advisory Group)
- 802.20 – Mobile Broadband Wireless Access

Caratteristiche

Ethernet network - Local Area Network (LAN)

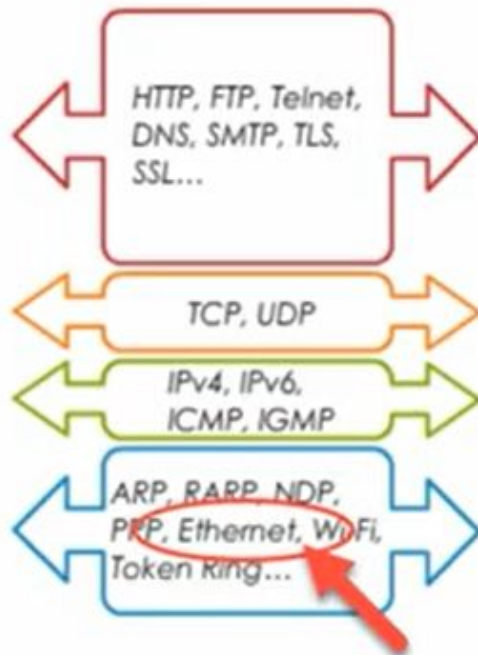


Ethernet & OSI Model

OSI Model



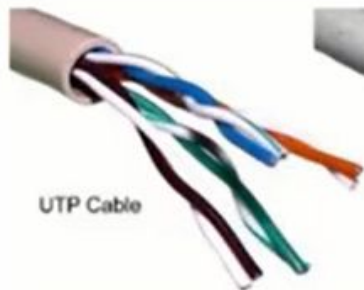
TCP/IP Suite



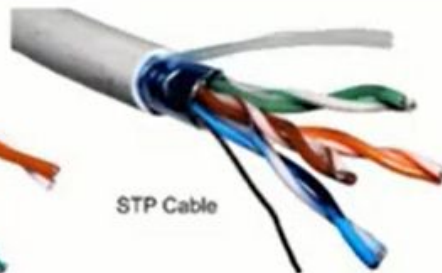
TCP/IP Mode



Ethernet Cable



UTP Cable



STP Cable

**Unshielded Twisted Pairs
(UTP)**

**Shielded Twisted Pairs
(STP)**

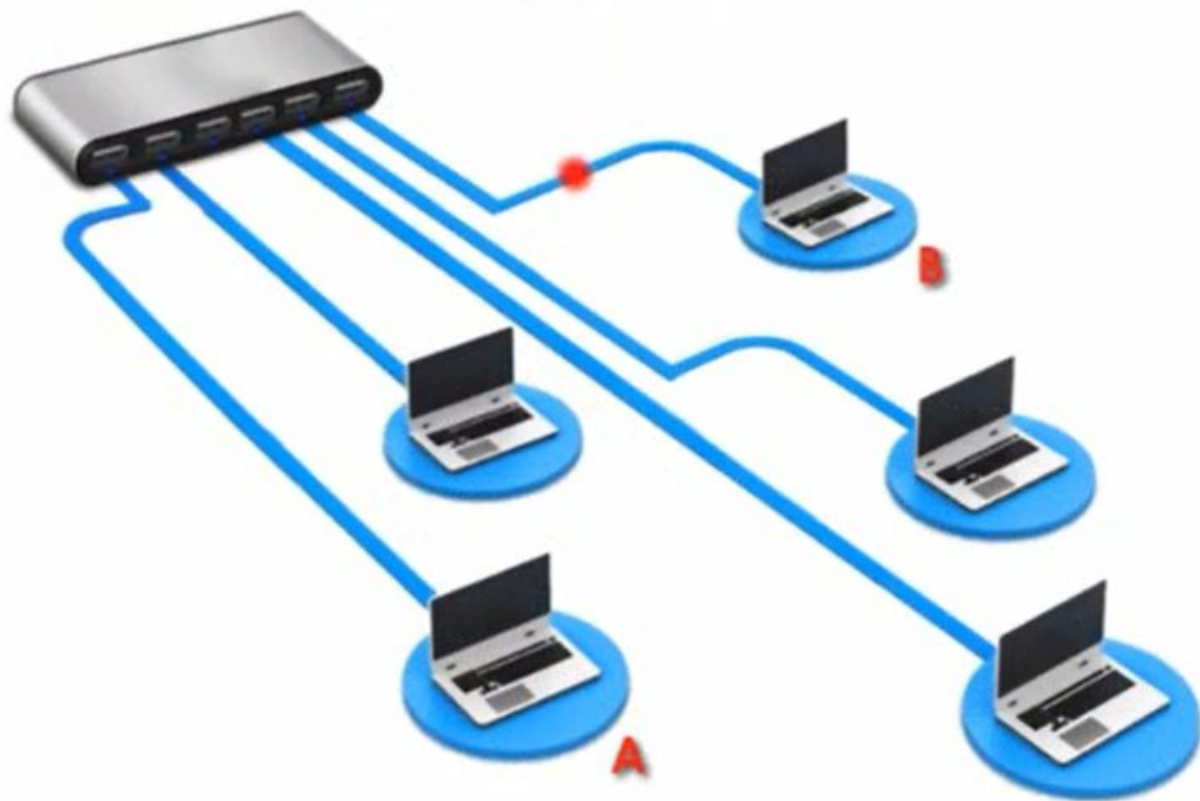


Fiber Optic Cable



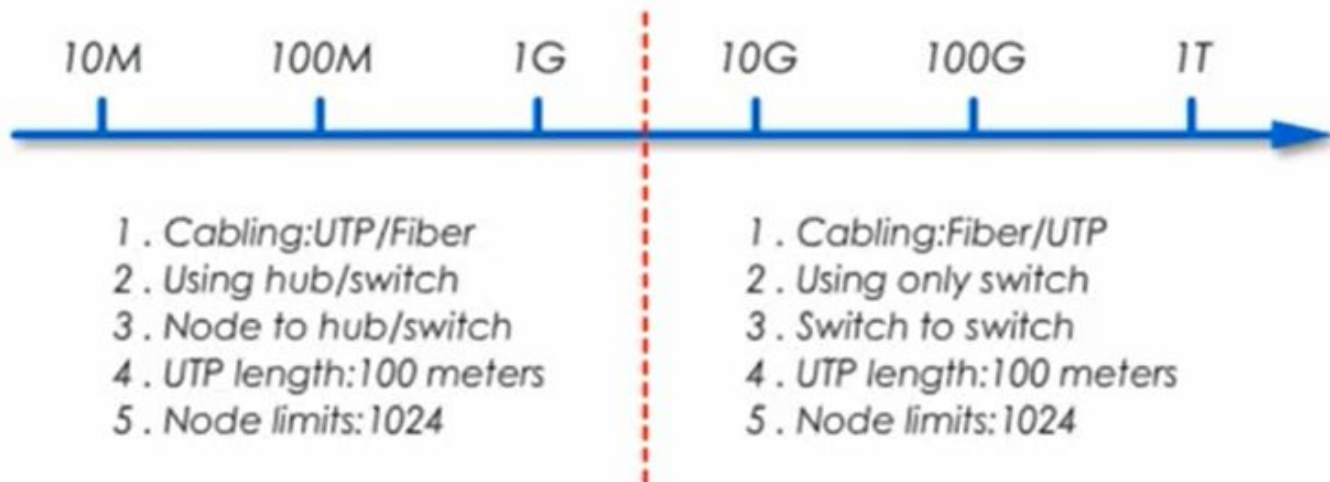
Coaxial Cable

Ethernet Medium Access Method: CSMA-CD



Ethernet Evolution

M : Megabit
G : Gigabit
T : Terabit

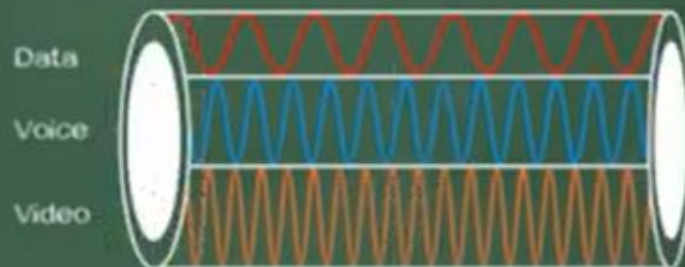


Ethernet: baseband System

BASEBAND (TDM)

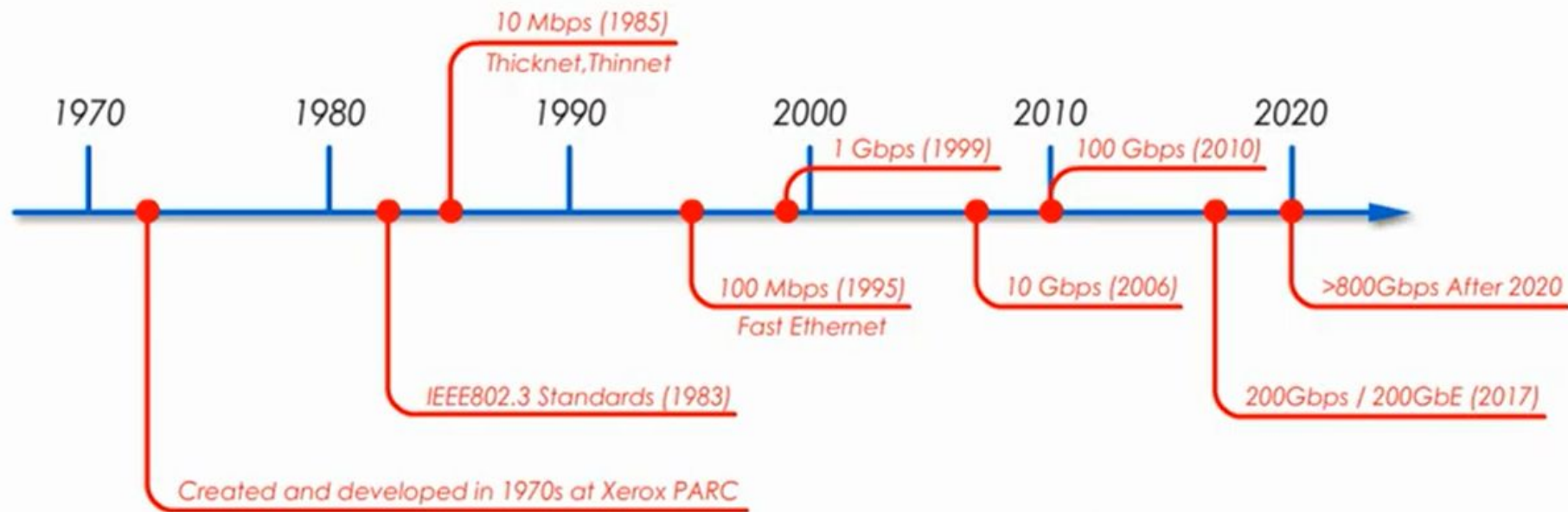


BROADBAND (FDM)



Evoluzione Ethernet

Ethernet Standards Timeline



The Ethernet Evolution

M : Megabit
G : Gigabit
T : Terabit

