

Networking in the '90s

CS 40th Anniversary

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Context of the '90s

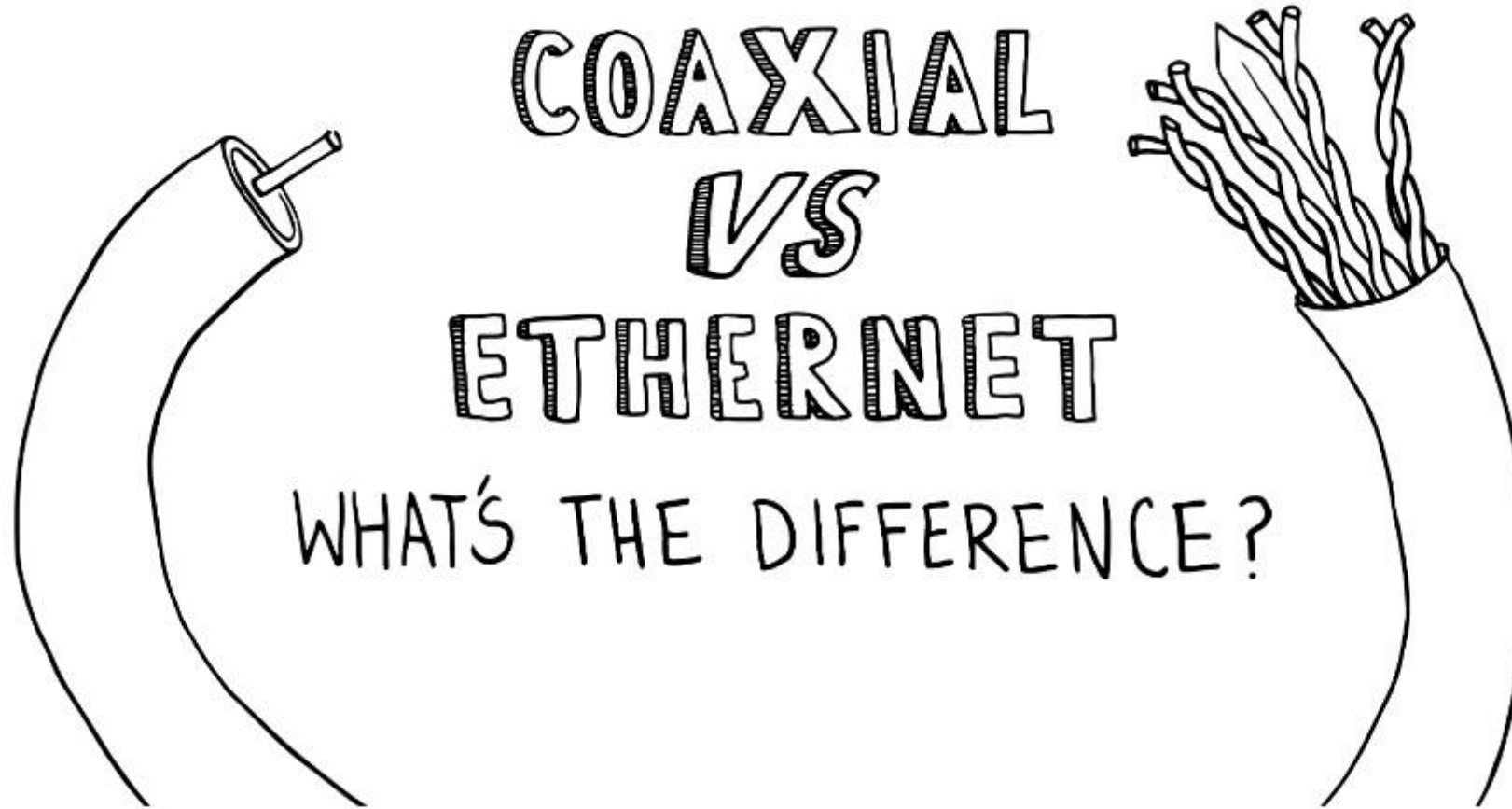
Based on my memories only (first mails saved in my folders are from 1997)

How was:

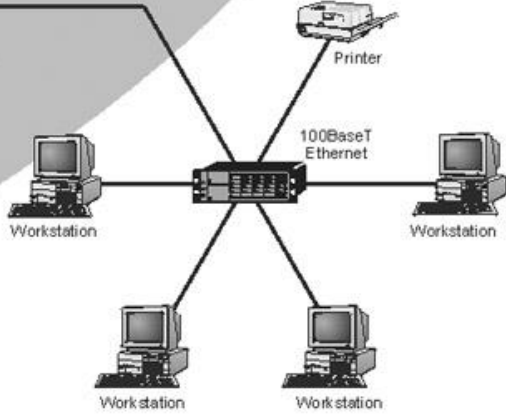
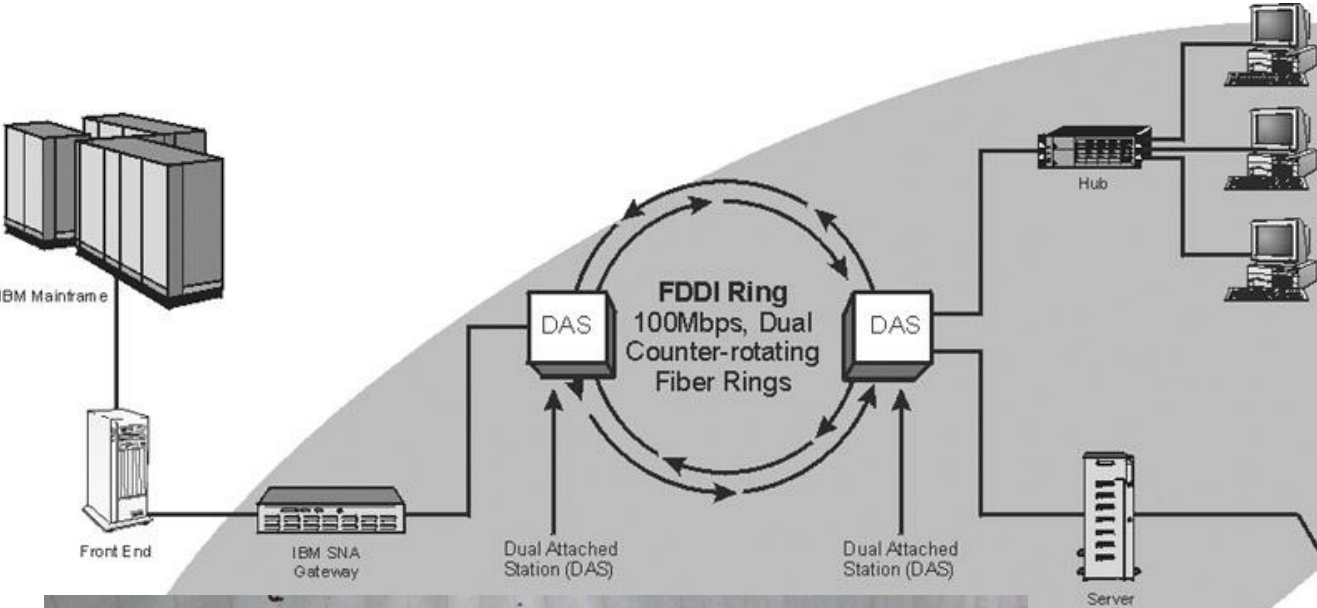
- ❖ Offices
- ❖ Communications
- ❖ Documentation/photographs
- ❖ User/server equipment
 - VAX vs PC
 - Mainframe vs server
- ❖ Cabling database



Infrastructure



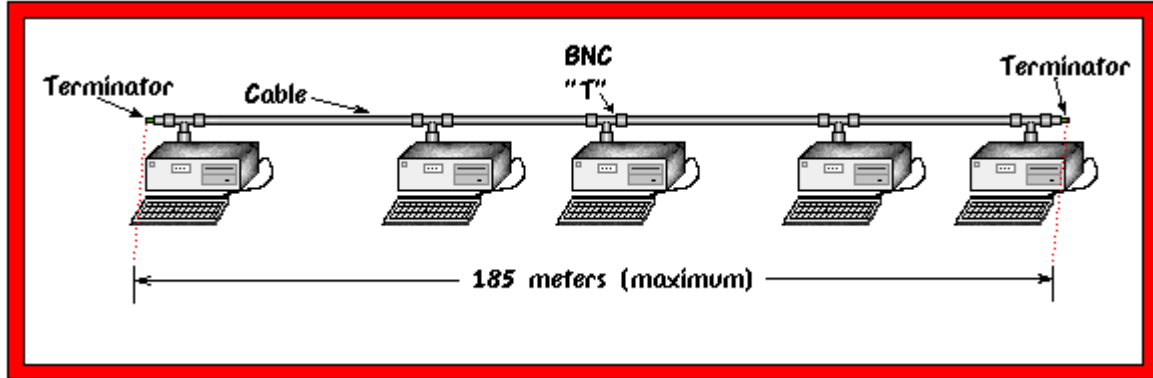
Network architecture



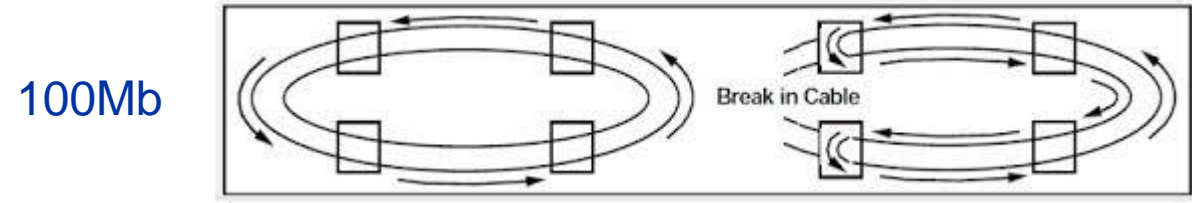
Bus and Ring network technologies



- Bus:**
- Coax cable based on CSMA/CD process (Carrier Sense Multiple Access/Collision Detection)



- Ring:**
- FDDI (Fiber Distributed Data Interface)



Different type of protocols: IP/AN/GP

- TCP/IP
- AppleTalk (Shiva Fastpath router)
- DECNET

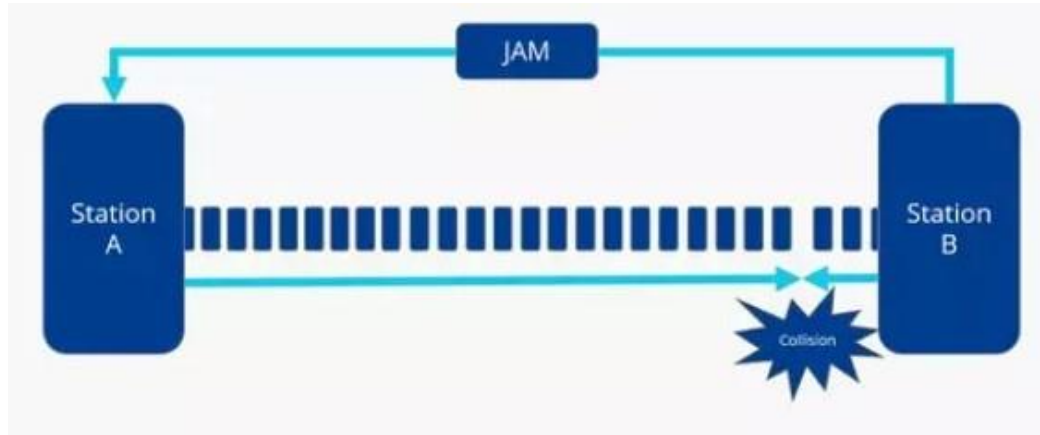


Broadcast Storm and mythical equipment



DEMON collider

- Completely designed, developed and built by the group



Gigaswitch FDDI:

- FDDI (Fiber Distributed Data Interface)



~ 1995 Technological revolution

CERN Structured cabling project

- Installations of ~20000 sockets in all buildings
- Installations of HP 10G base-T hubs
- Need to find technical rooms (star-points) in all buildings
- Same copper infrastructure as today !



Happy to work in CS

