

SISTEMI OPERATIVI

Architettura dei Sistemi di Elaborazione
delle Informazioni

Lezione 5 – Reti informatiche: architetture e funzionamento

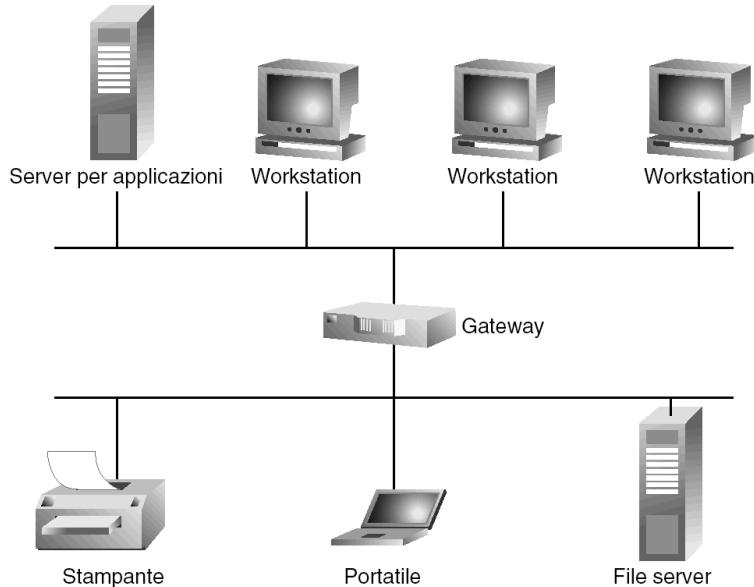
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Università degli Studi di Milano

Sommario

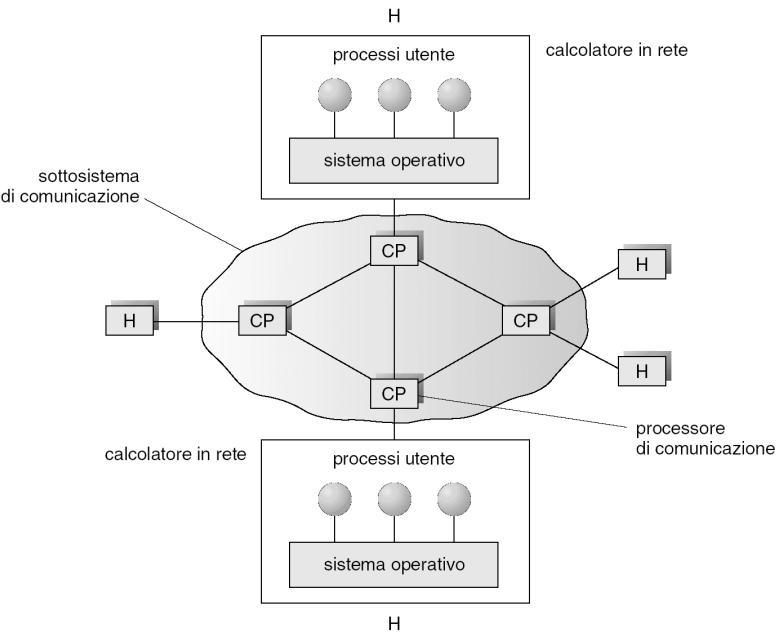
- Architetture delle reti informatiche
- Tecnologie
- Interfaccia di connessione alla rete

Reti locali e reti geografiche

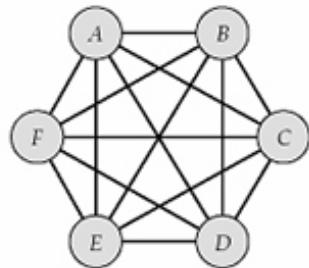


Rete locale

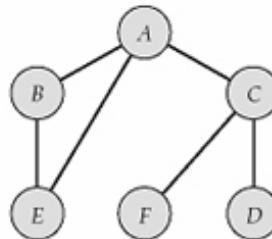
Rete geografica



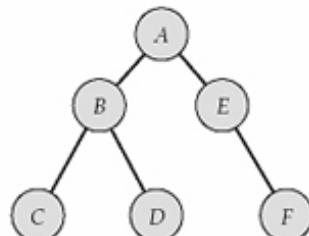
Topologie delle reti



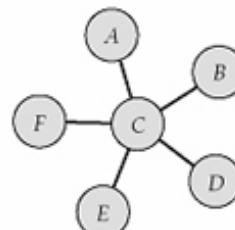
rete completamente connessa



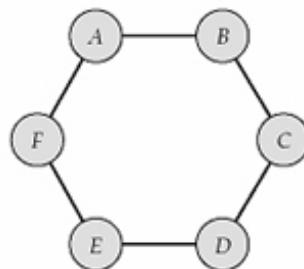
rete parzialmente connessa



rete ad albero



rete a stella



rete ad anello

Tecnologie e standard per le reti locali

- Reti a bus**

- Ethernet, Ethernet 10BaseT, Ethernet 100BaseT, Ethernet Gigabit

- Reti ad anello**

- Token Ring, FDDI

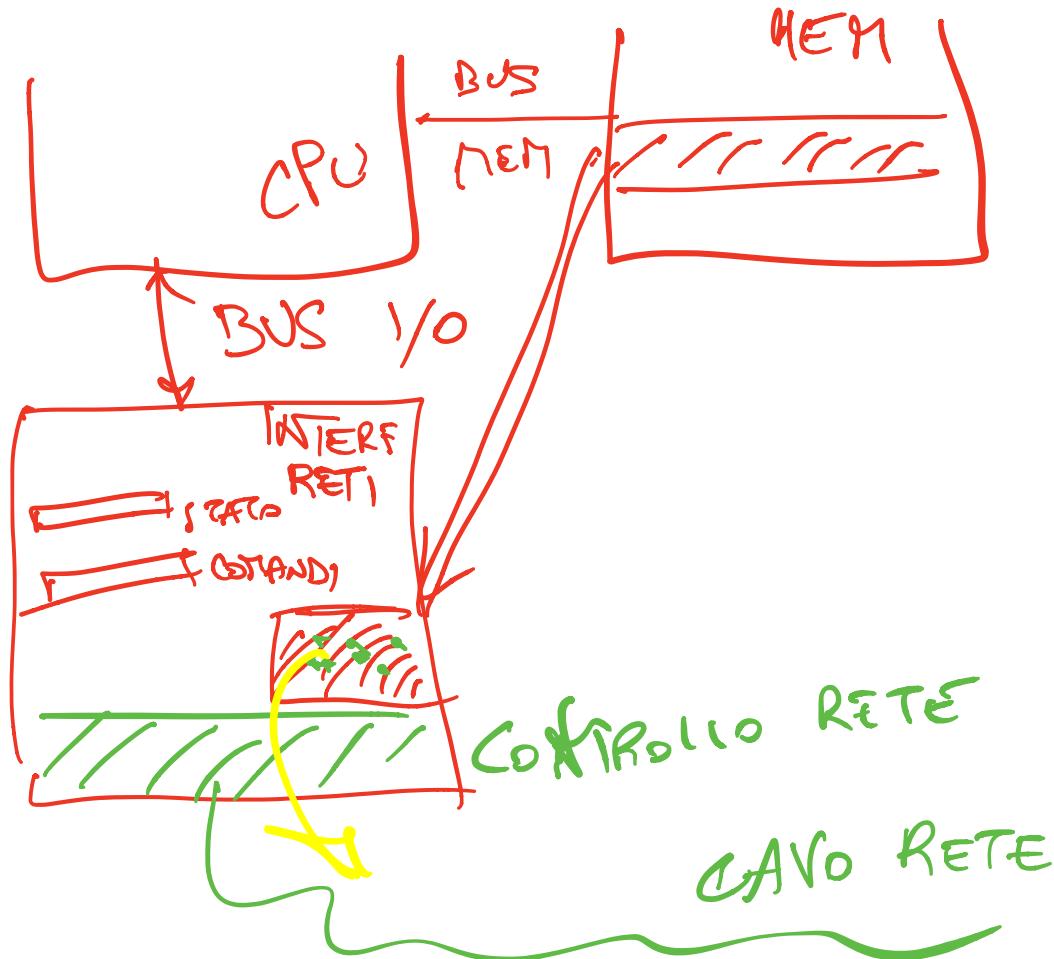
- Reti a stella**

- Cablaggio strutturato

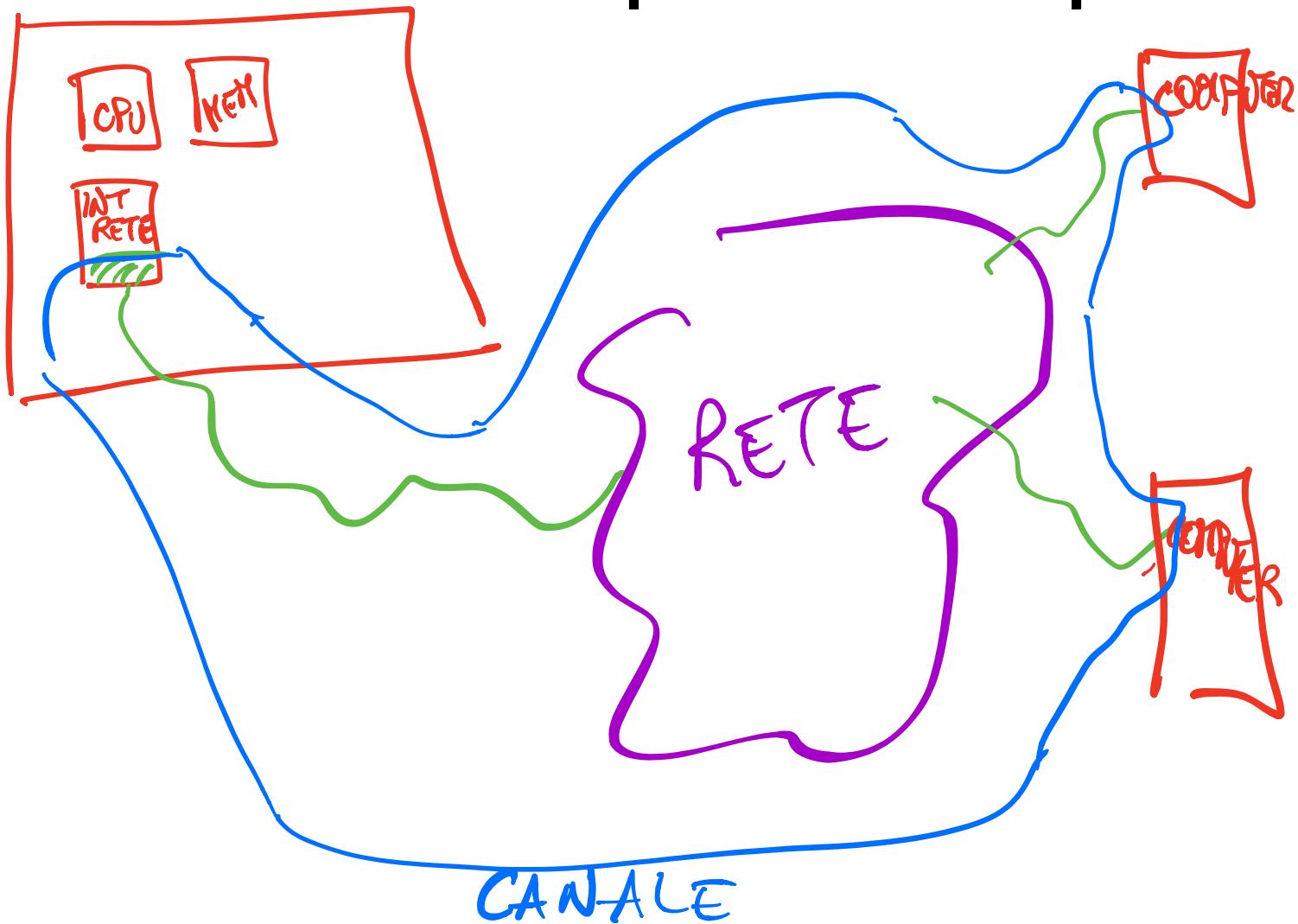
- Reti wireless**

- Bluetooth, WiFi

Interfaccia nell'unità centrale



La rete come periferica complessa



In sintesi

- **Reti informatiche:**
 - *tipologie*
 - *topologie*
 - *tecnologie e standard*
- **Connessione di un calcolatore alla rete:**
 - *la rete vista come periferica complessa*