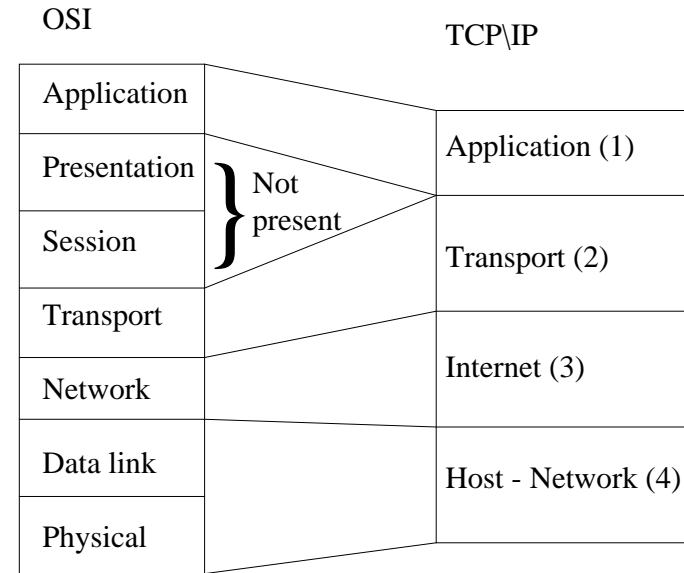


## Layered Architectures

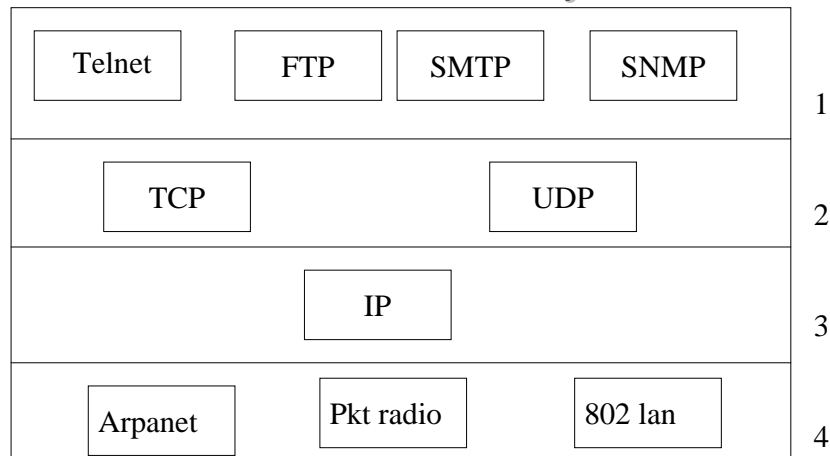
- The ISO defines a 7 layer Architecture.
- TCP\IP is defined as a 4 layer Architecture.
- ISO is a prescriptive Architecture
- TCP\IP is descriptive.

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## Meet Some of the TCP/IP Family



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## Why Two Models

- OSI concepts
  - Services (definition)
  - Interfaces (how to access)
  - Protocols (peer protocols, private)
- Kind of OO approach, encapsulation.
- Prescriptive & Descriptive origins
  - Simple services, interfaces, protocols

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## Why Two Models (cont.)

- **Bad Timing**
  - Apocalypse of Two elephants (research & investment)
- **Bad technology.**
  - Copying proprietary SNA.
  - Empty layers.
  - Cross a mobster with a standard...
    - you get made an offer that you cannot understand.