

Why layered Communication!.

- * To reduce complexity of communication task by splitting into several layered small tasks.

Reference model:-

- * OSI reference model
- * TCP/IP.

OSI:- open system interconnection.

7 layers

7. Application.
6. Presentation.
5. Session
4. Transport
3. Network
2. Data link
1. Physical

Issues to be resolved by the layers

- * Larger bandwidth at lower cost
- * Error correction
- * Flow control
- * Addressing
- * Multiplexing
- * Naming
- * Congestion Control.
- * Mobility.

Communication:-

Process of Exchanging information.

Communication network:-

Ex:-

Email, web browsers, Telephone, cell phone.

Sms,



Definition:-

* The equipment (hardware & software) and facilities that provide the basic communication service.

* Virtually invisible to user, usually represented by cloud.

Equipment:-

Routers, Servers, switches,
multiplexers, hub, modems....