



## HTTP vs HTTPS vs TCP vs TLS vs UDP

- Network Layer:
  - IP (Internet Protocol): Transfer bytes. Unreliable.
- Transport Layer:
  - TCP (Transmission Control): Reliability > Performance
  - TLS (Transport Layer Security): Secure TCP
  - UDP (User Datagram Protocol): Performance > Reliability
- Application Layer:
  - HTTP(Hypertext Transfer Protocol): Stateless Request Response Cycle
  - HTTPS: Secure HTTP
  - SMTP: Email Transfer Protocol

