

TLS - Transport Layer Security

TLS - Transport Layer Protection

- ➔ Transport Layer Security (formerly SSL) provides
 - **integrity:** authentication handshake
 - **confidentiality:** end-to-end secure channel
- ✓ Prevents all kinds of eavesdropping and spoofing for application protocols e.g HTTP + TLS = HTTPS
- ⦿ 2-10 times slower than an insecure TCP connection