

Secure Communication(HTTPS)

Security

Namaste Frontend System Design

Secure Communication (HTTPS)



- Data Encryption (TLS)
- Authentication (SSL & TLS)
- Data Integrity (MAC)
- Protection Against Phishing
- Data Privacy
- Compliance with Security Standards
- Trust and Reputation
- Search Engine Ranking
- Protection Against Browser Warnings
- Faster website loading (HTTP2)

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Data encryption - client requests some data and then server sends data. That data is unreadable

Authentication - appropriate authorities provide certificate and that certificate is used when client requests some data(SSL and TLS certificate)

Data integrity - some cryptographic methods | checksum used to ensure data integrity. It internally used MAC(message authentication code).