There are two mains protocols:

The hondshake protocol

Hand shake protocol is used to establish slavious. This protocol allow client & servers to authenticate each other by sending a series of merrages to each other. Handshake protocol was four phases to complete its eyele:

- 1) I client a server sends hello packets to each other
 - 2) Server rends his certificational server key-
 - 3) Client reply by rending its certificate and chent enchange key.
 - 4) change cipher ruit, after the handshake prolocal ends.

a) The record layer protocol

352 record provider two services

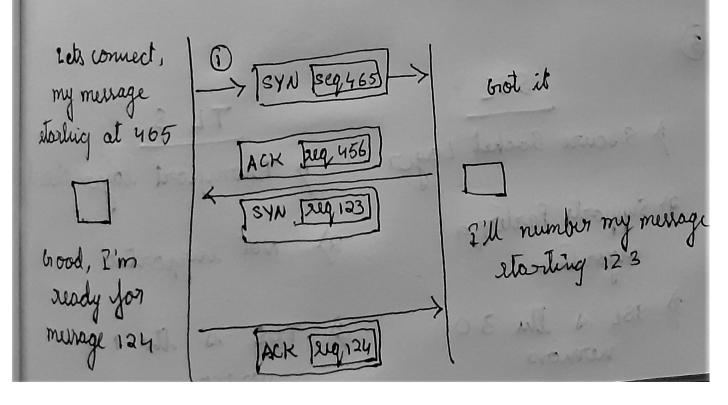
. Confidentiality

. Herioge integrety

Here, data is divided into fragments. The fragments is compressed and the encrypted HAC generaled by algorithms like SHA & MDS is appended.

After the encryption is done and SSL header is appended to the date.

1 mee way hondehaking



Two way handshaking only allow one party to exhabitis initial requence number and other party ACK it. Which onlone only one party con set send data reliably.

But TCP outs to be able to send data reliably is both directions. Hence both parties need to establish an imital requess number and ACK respectively.

3

SSL

Secure Socket Layer of Tromport layer Sewith,

Supports Farterza algorithm

Not supported

algorithm

TL 3

Not supported

algorithm

TL 3

Not supported

algorithm

algorithm

Wereion

Digert is used

4) Pseudo rondom

function is used

5) HAC protocol is 5) Hashed merroge outs.

10 complen

6) Sumple