HTTP/3 (standard draft)

HTTP/1 & 2

TCP handshake
- syn →
- ← syn/ack
- ack →

TLS handshake
- TLS ClientHello →
- ← ack
- ← TLS ServerHello
- ack →
- TLS Finished →
- ← ack

HTTP
- HTTP Request →
- ← ack
- ← HTTP Response
- ack →

TCP handshake
- fin →
- ← ack
- ← fin
- ack →

HTTP/3

TLS handshake
- quic →
- ← quic
- quic →

HTTP
- HTTP Request →
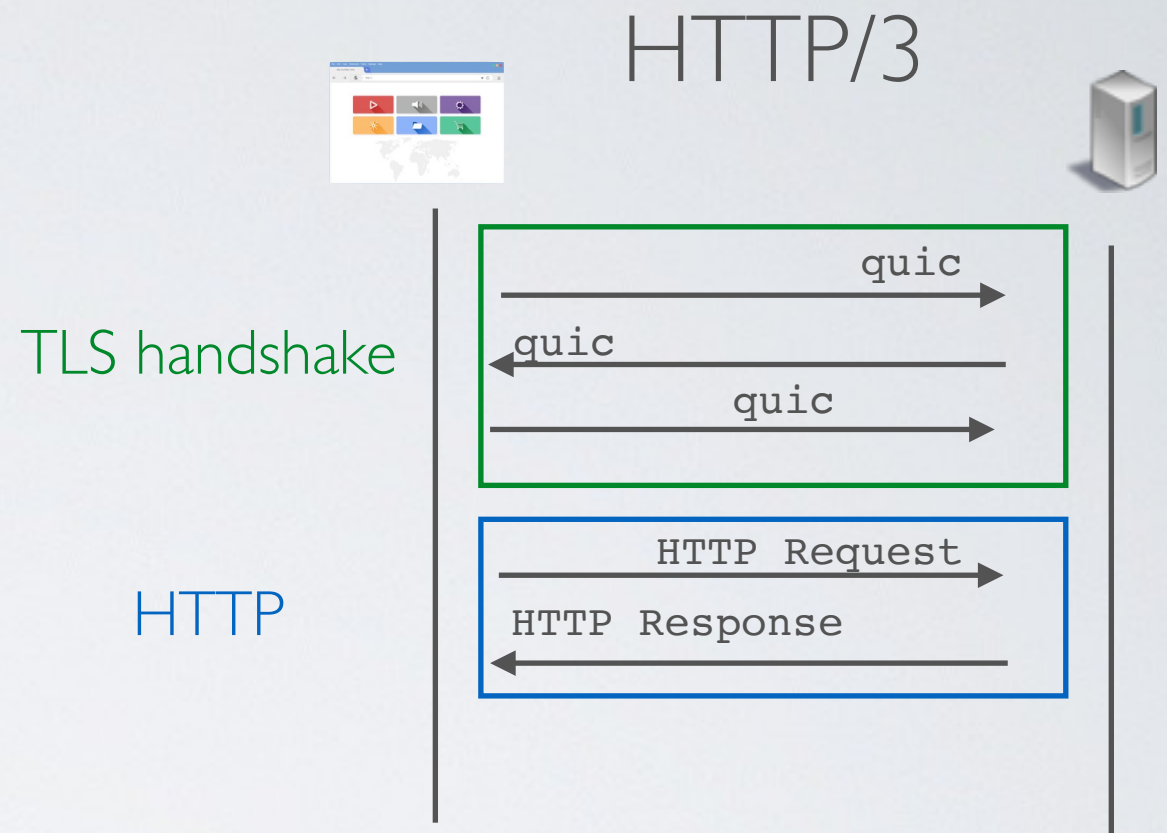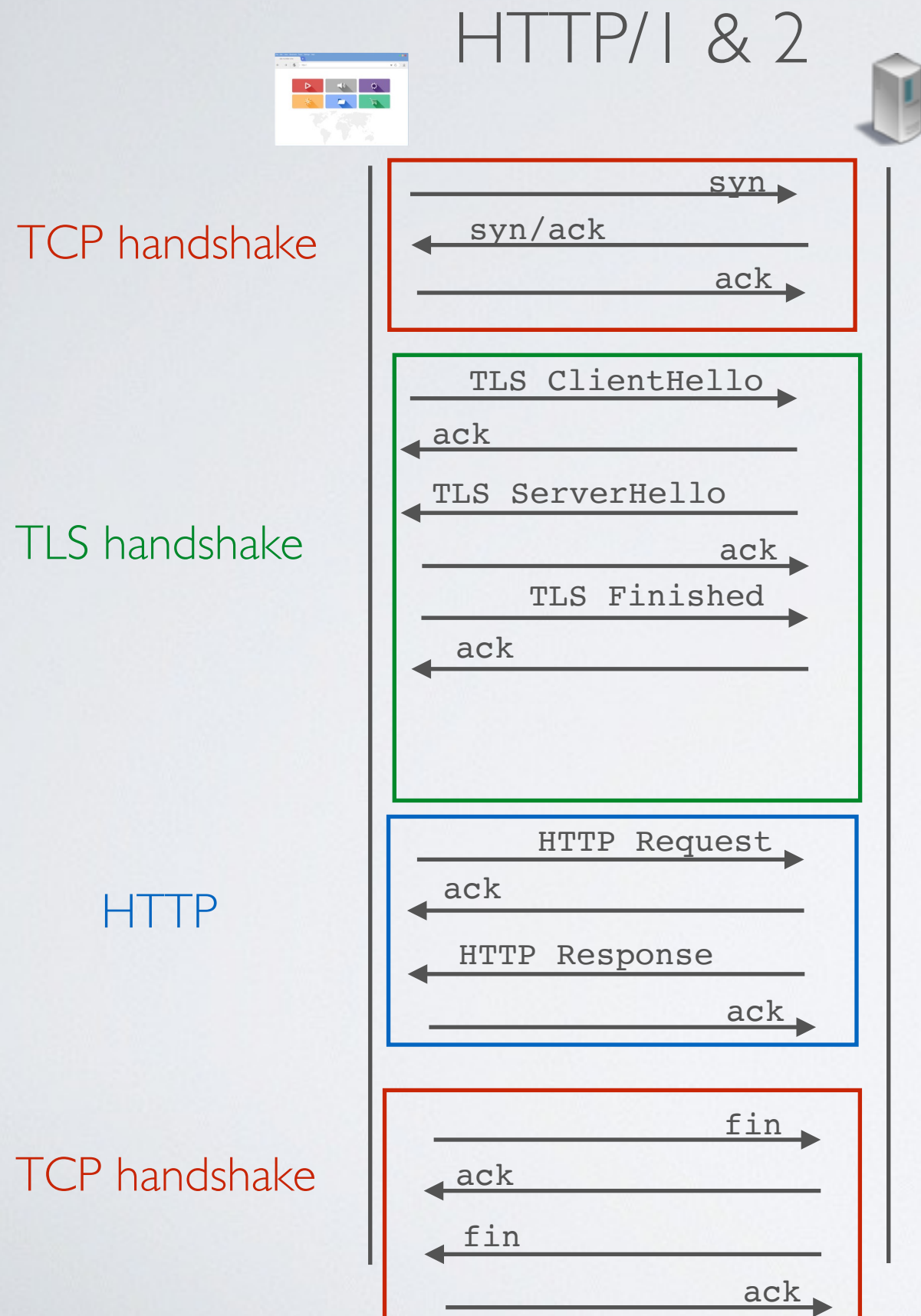- ← HTTP Response

➡ Use UDP instead of TCP

Still Experimental

- Chrome v85 (Apr'20)

- NodeJS v15 (Oct'20) - but still an experimental feature
  https://github.com/nodejs/node/issues/57281

- Firefox v88 (Apr'21)

- IETF Standard (June'22)

- Nginx v1.25 (May'23) - but module not built by default