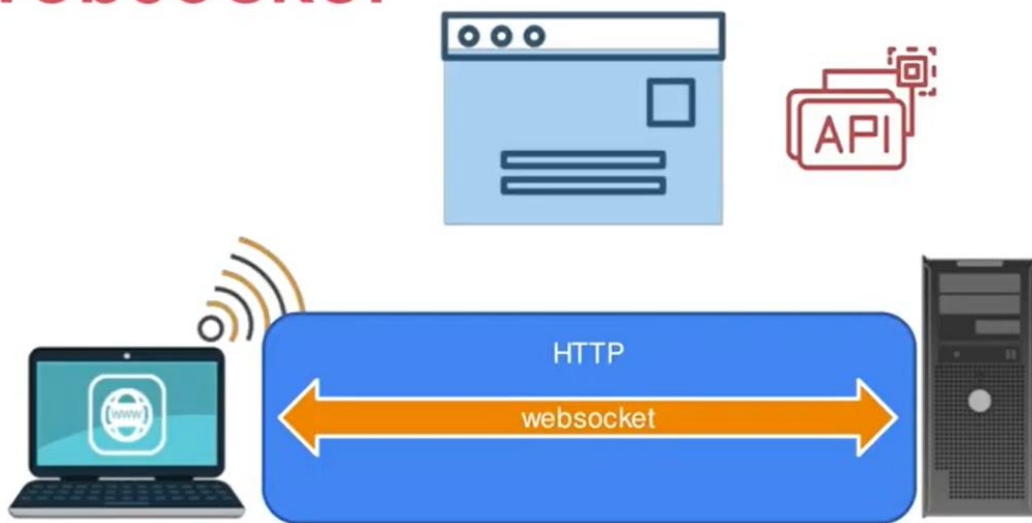
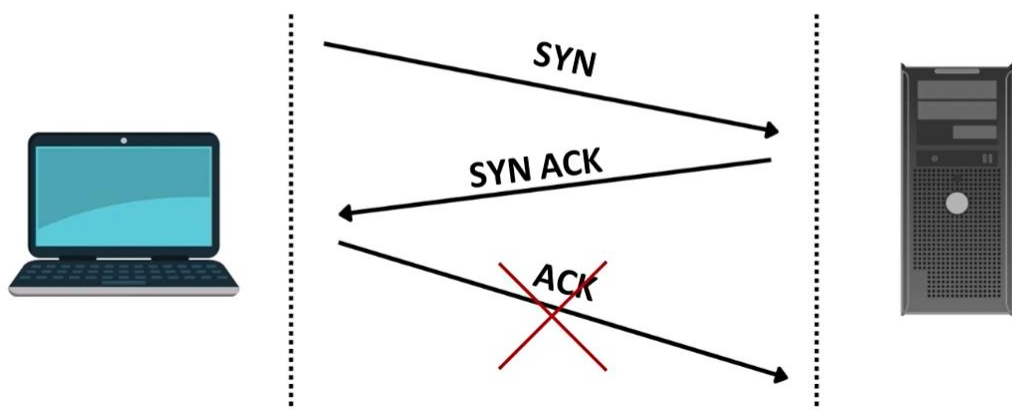


Como funciona o WebSocket?

WebSocket



WebSocket



WebSocket



```
GET /chat HTTP/1.1
Host: server.example.com
Upgrade: websocket
Connection: Upgrade
Sec-WebSocket-Key: dGhlIHNhbXBsZSBub25jZQ==
Origin: http://example.com
Sec-WebSocket-Protocol: chat, superchat
Sec-WebSocket-Version: 13
```

```
HTTP/1.1 101 Switching Protocols
Upgrade: websocket
Connection: Upgrade
Sec-WebSocket-Accept: s3pPLMBiTxaQ9kYGzzhZRbK+x0o=
Sec-WebSocket-Protocol: chat
```



WebSocket



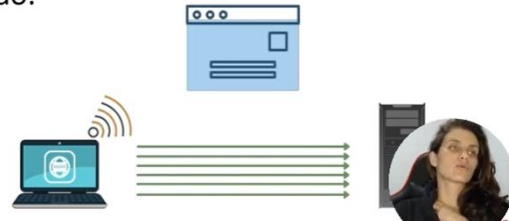
WebSocket

Definição

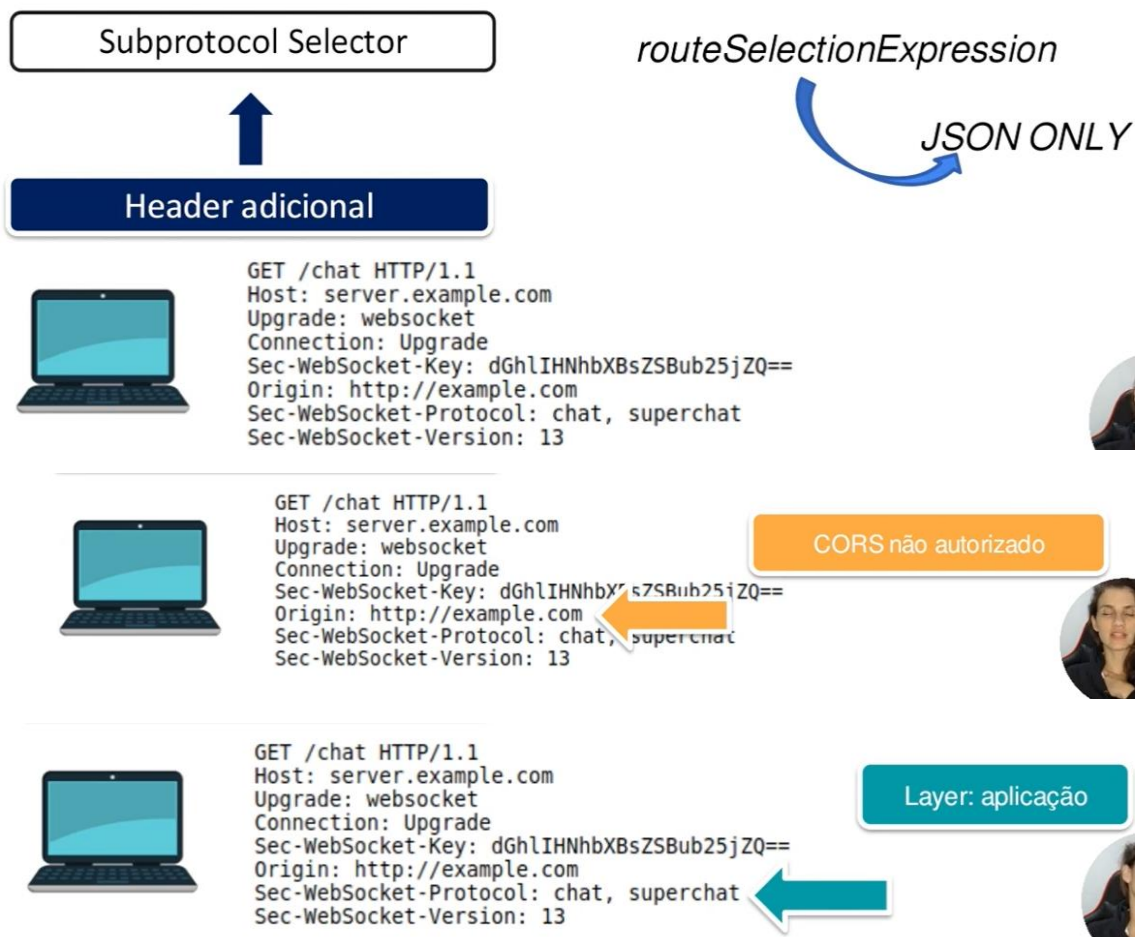


O protocolo fornece comunicação cliente/servidor executando um código não confiável em um ambiente controlado para o host que escolheu essa comunicação.

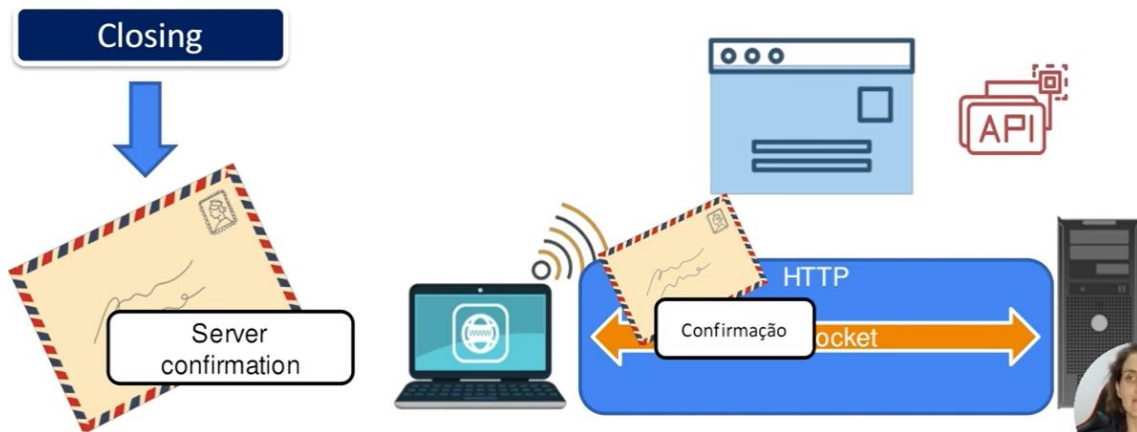
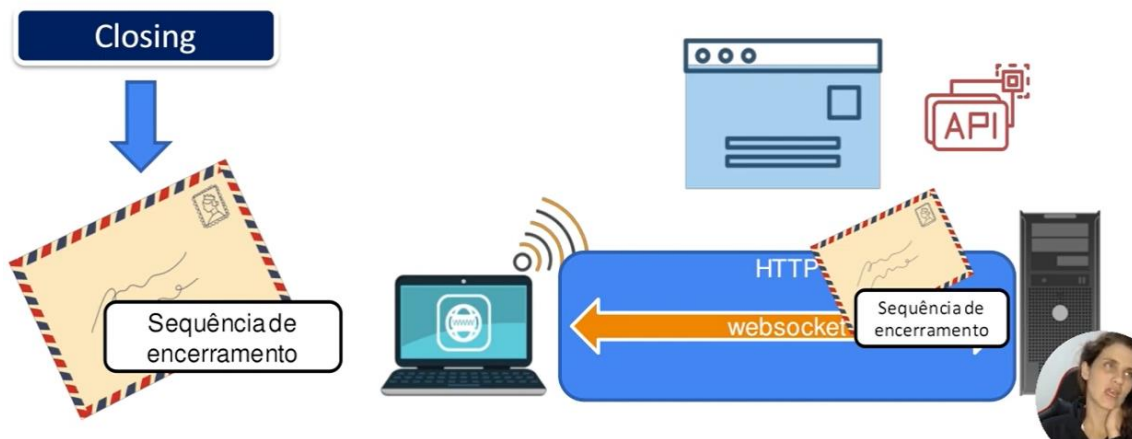
Modelo origin-base security



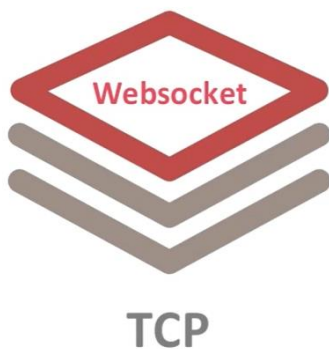
WebSocket connection



WebSocket connection



Filosofia do WebSocket



ADD

1. Origin-base security model
2. Endereçamento e protocolo
3. Camadas -> enquadramento on top TCP
4. Encerramento do handshake



Filosofia do WebSocket



TCP

ADD

1. Origin-base security model
2. Endereçamento e protocolo
3. Restringe as páginas web
4. Encerramento do handshake



Outras características



TCP

Campos Sec-...: No Edition

Independente do TCP

Interpretação do HTTP server

Porta 443

