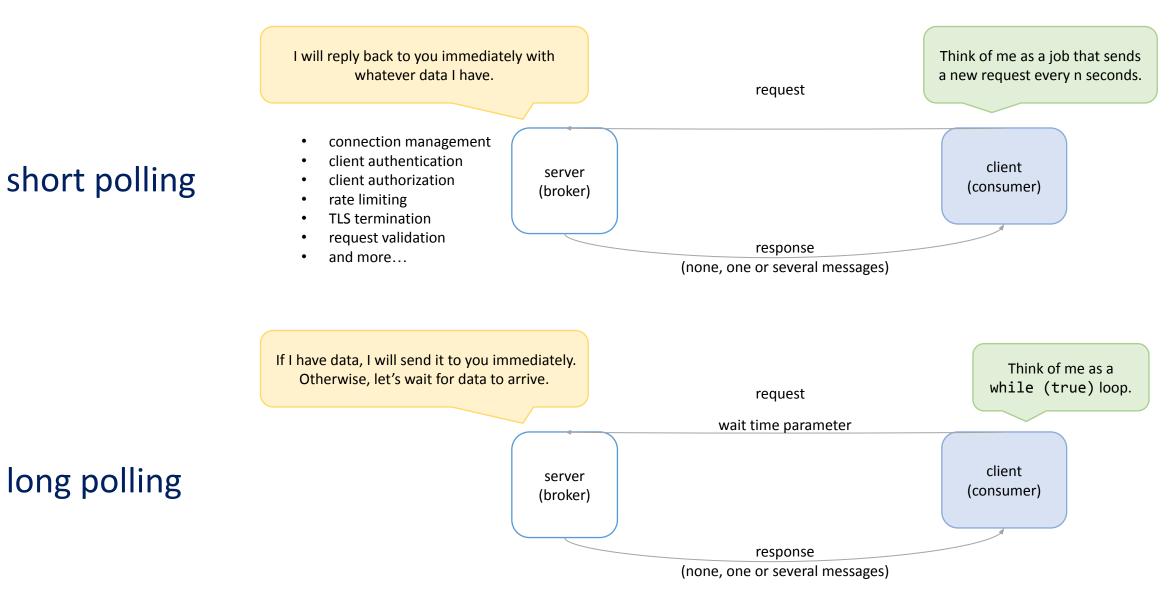
pull options



push options

WebSocket

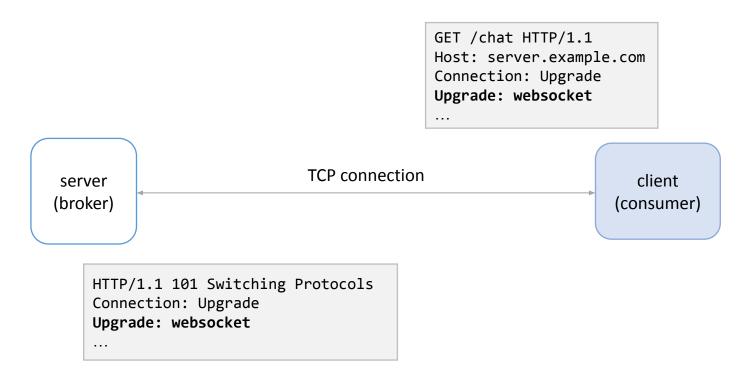
The HTTP protocol does not allow me to use this connection at my discretion.



- message-based protocol
- works over HTTP ports 80 and 443 (secure port)
- re-uses the TCP connection initially established for an HTTP request
- supported by all major browsers and web servers

push options

WebSocket



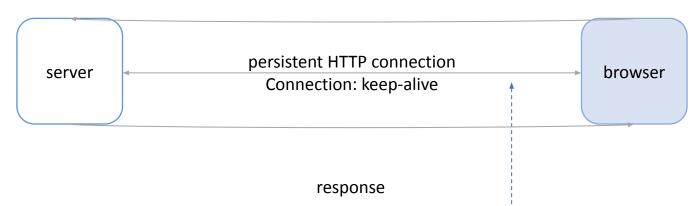
fast

- natively supported by browsers
- bi-directional
- provides an alternative to raw TCP sockets when they are not allowed for security reasons

push options

Server-Sent Events

http://mail.example.com/inbox.html



- simplicity (both client-side and server-side)
- SSEs are sent over HTTP (no need for a custom protocol)

```
// subscribe for messages
var source = new
EventSource(http://mail.example.com/notifications);

// handle messages
source.onmessage = function(event) {
    // do something with the data
    event.data;
};
```

- mono-directional (can only push data to the client)
- SSE is limited to UTF-8 (cannot transmit binary data)
- browsers limit the number of open connections