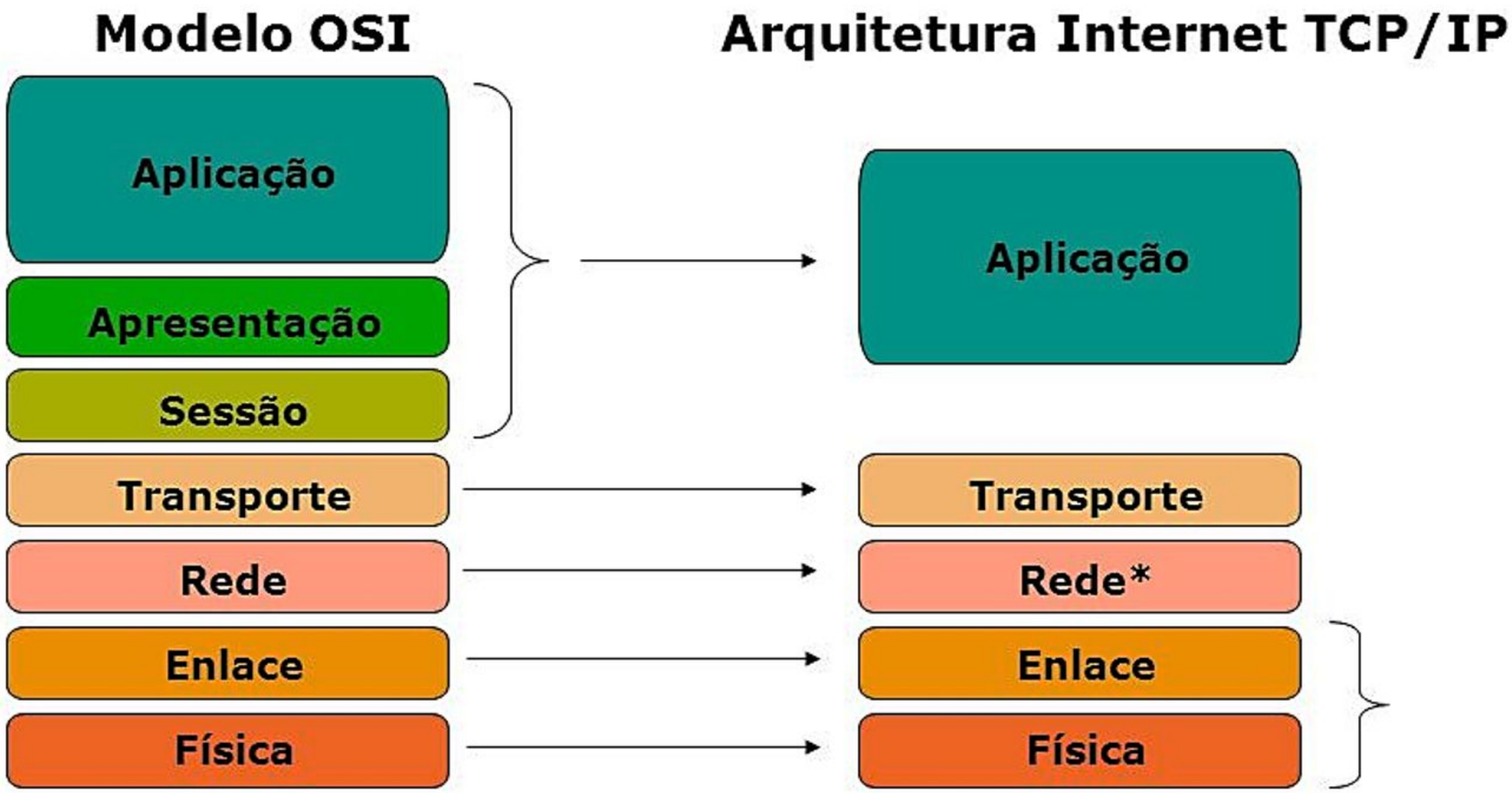
Protocolo HTTP

"É que eles têm medo do novo
A chama que acende o farol
Seremos Deus e o diabo
na terra do Sol Na terra do Sol, livres, na terra do Sol”

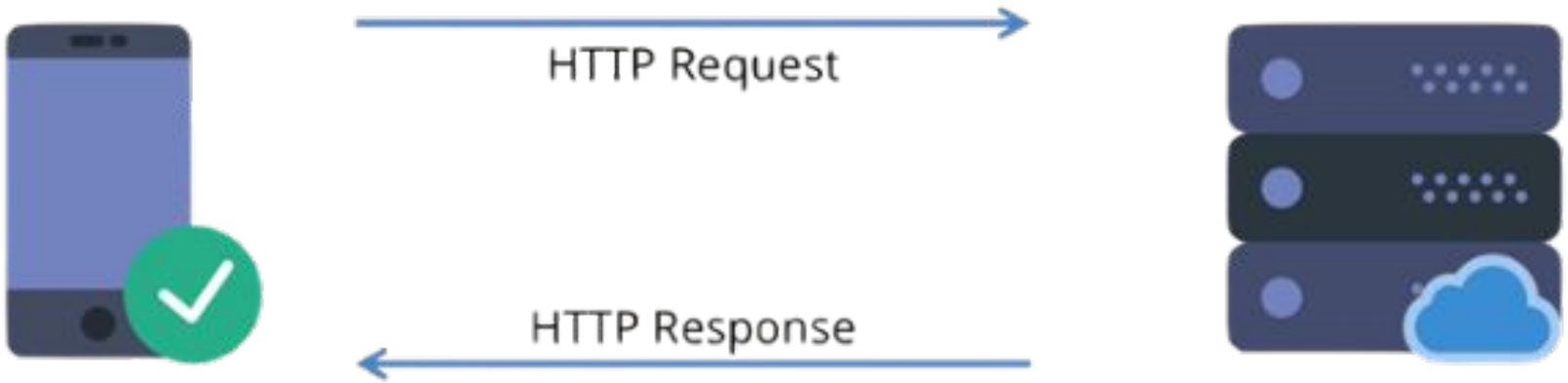
$ tree

- Camada Aplicação
- Retrospectiva camada OSI
- Handshake
- HTTP comunicação.

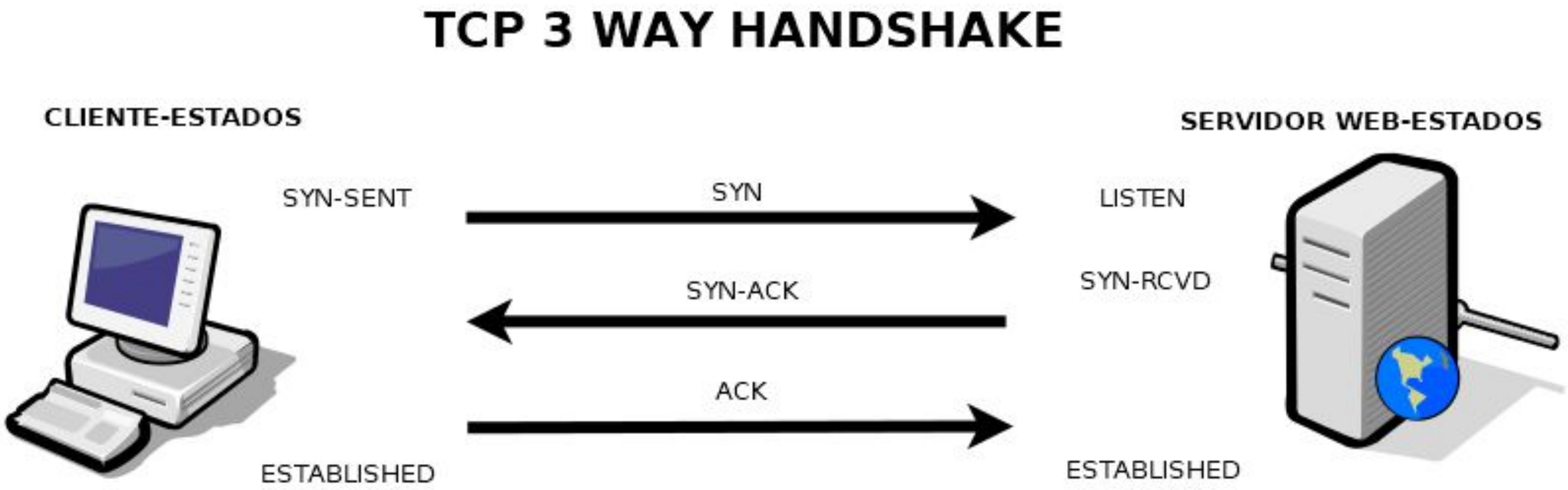
$ model -la


Modelo OSI
Arquitetura Internet TCP/IP
Aplicação
Apresentação
Sessão
Transporte
Rede
Enlace
Física
Aplicação
Transporte
Rede*
Enlace
Física

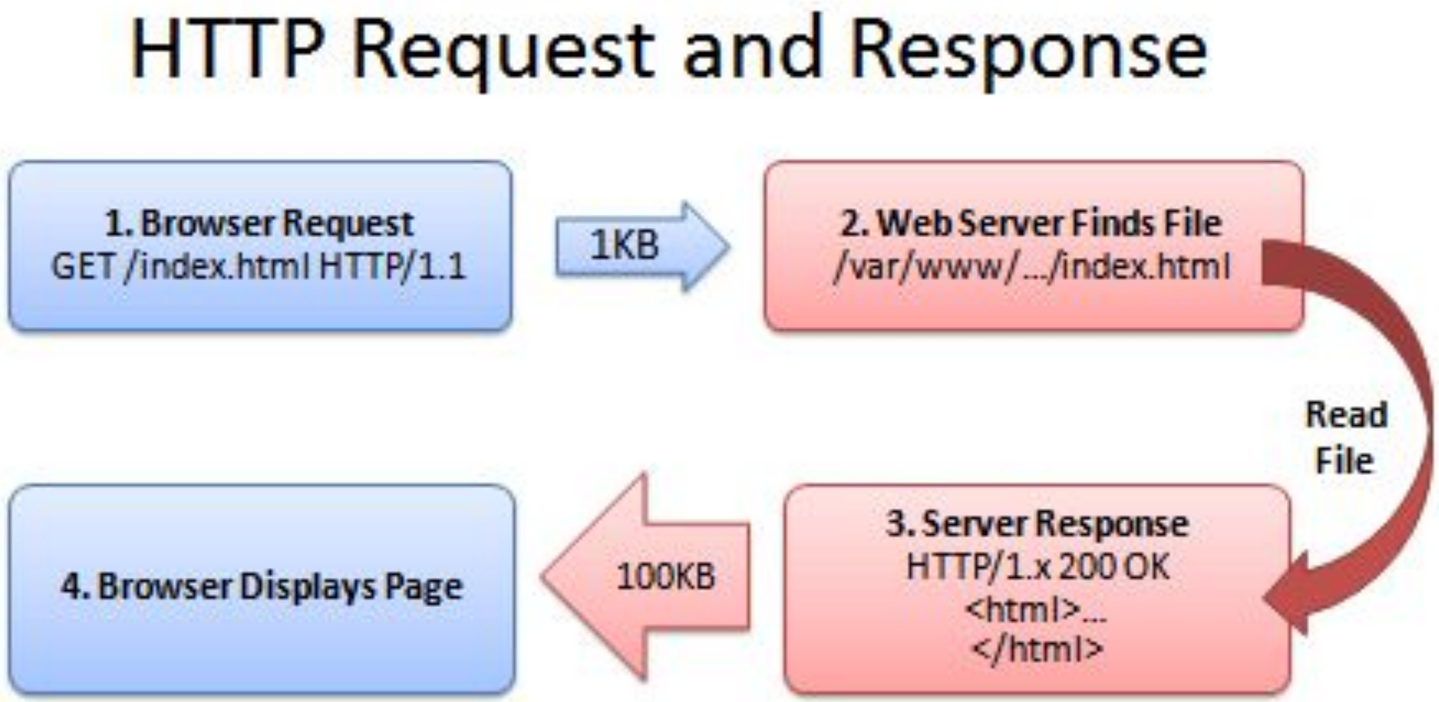
$ curl http://localhost



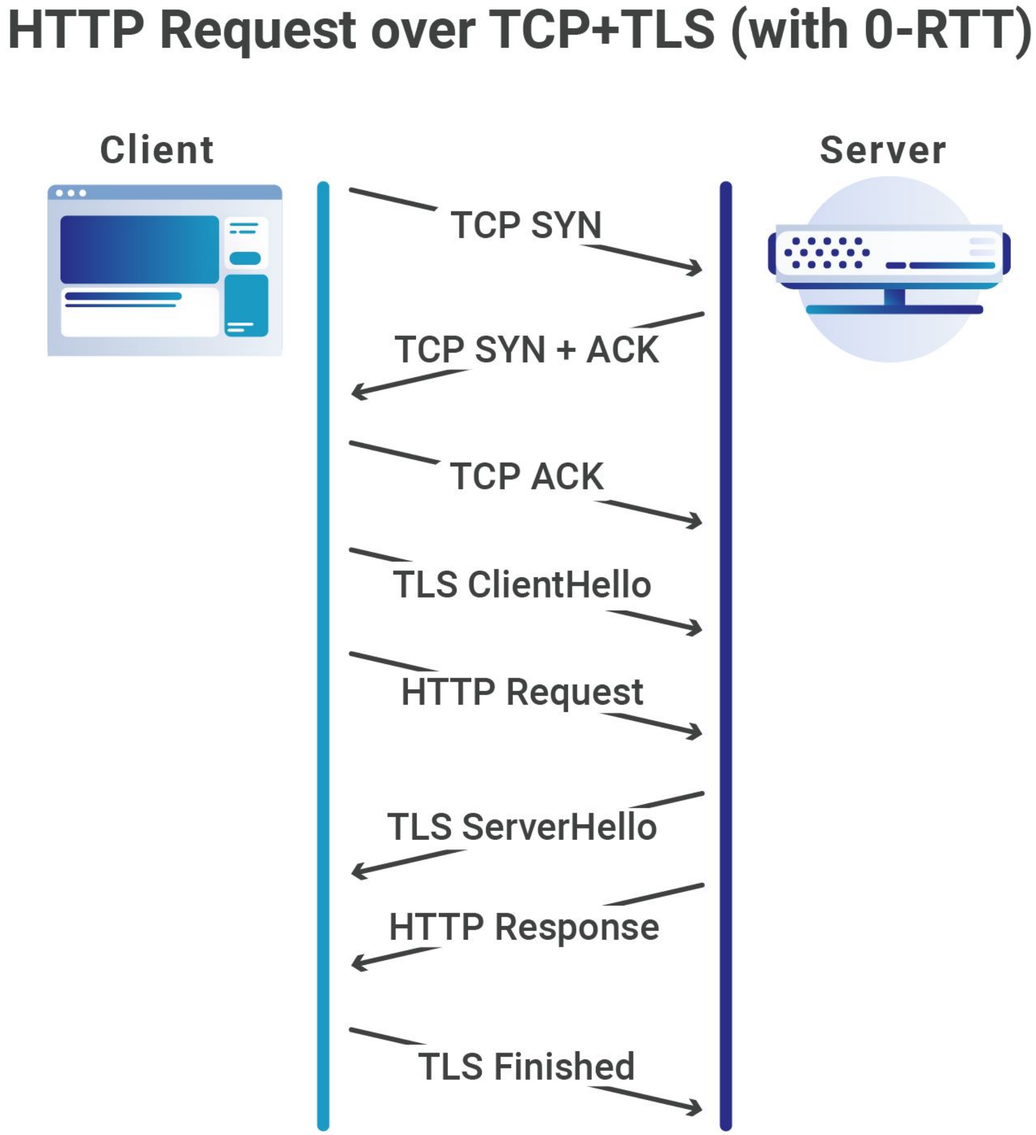
$ telnet port 80



$ http —version

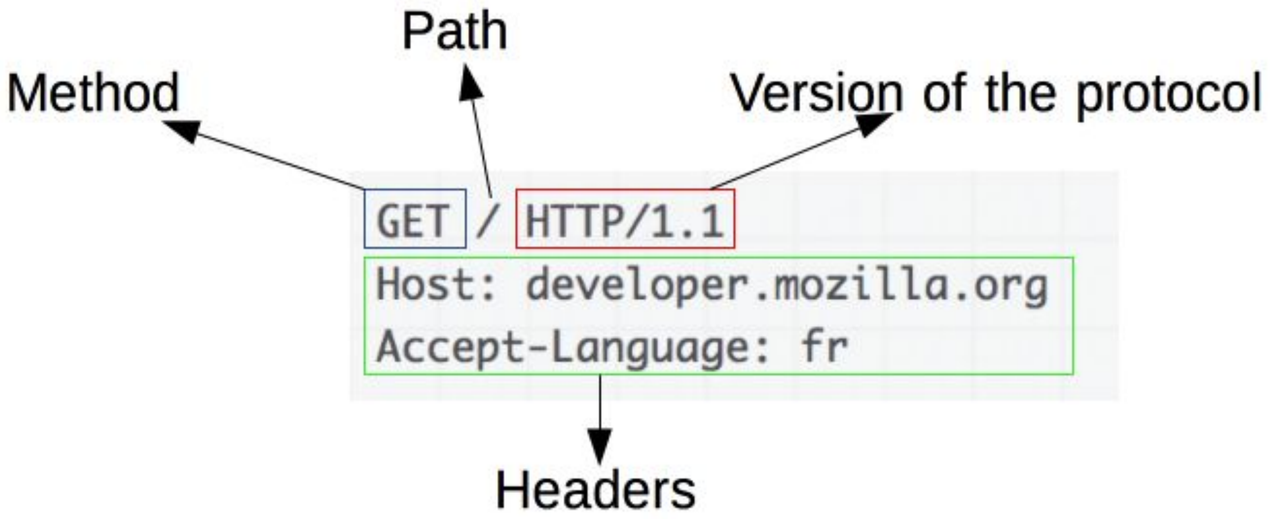


$ nestart -an

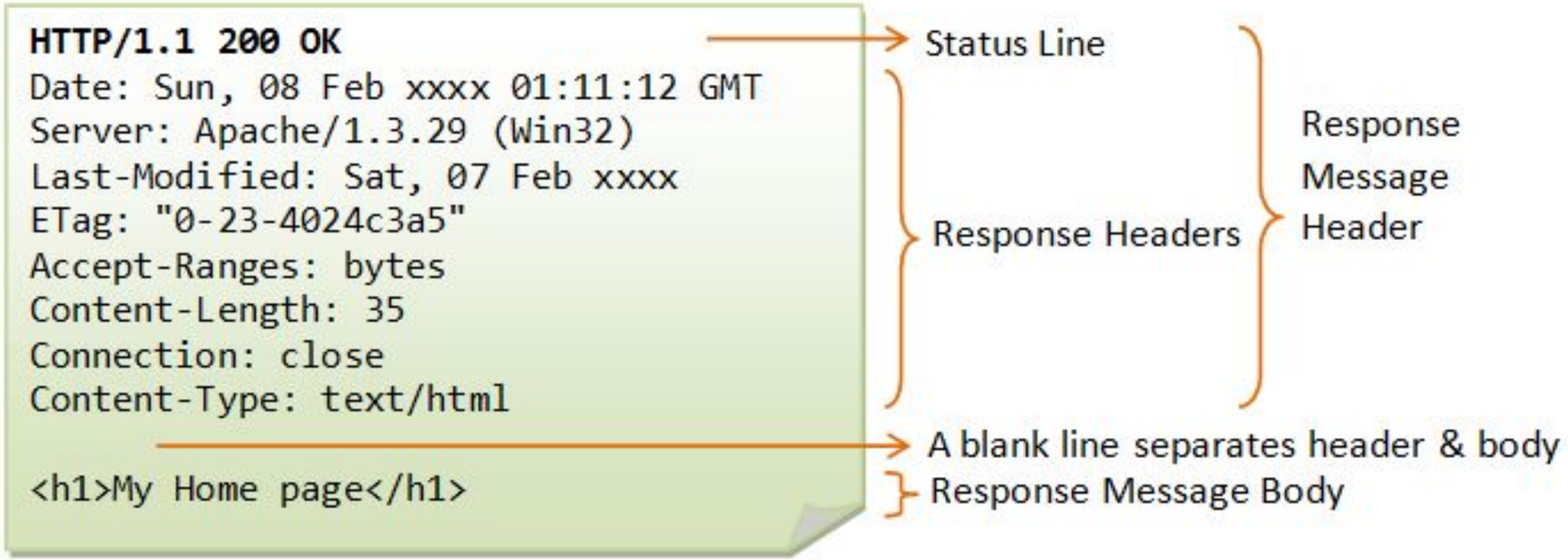


CLOUDFLARE

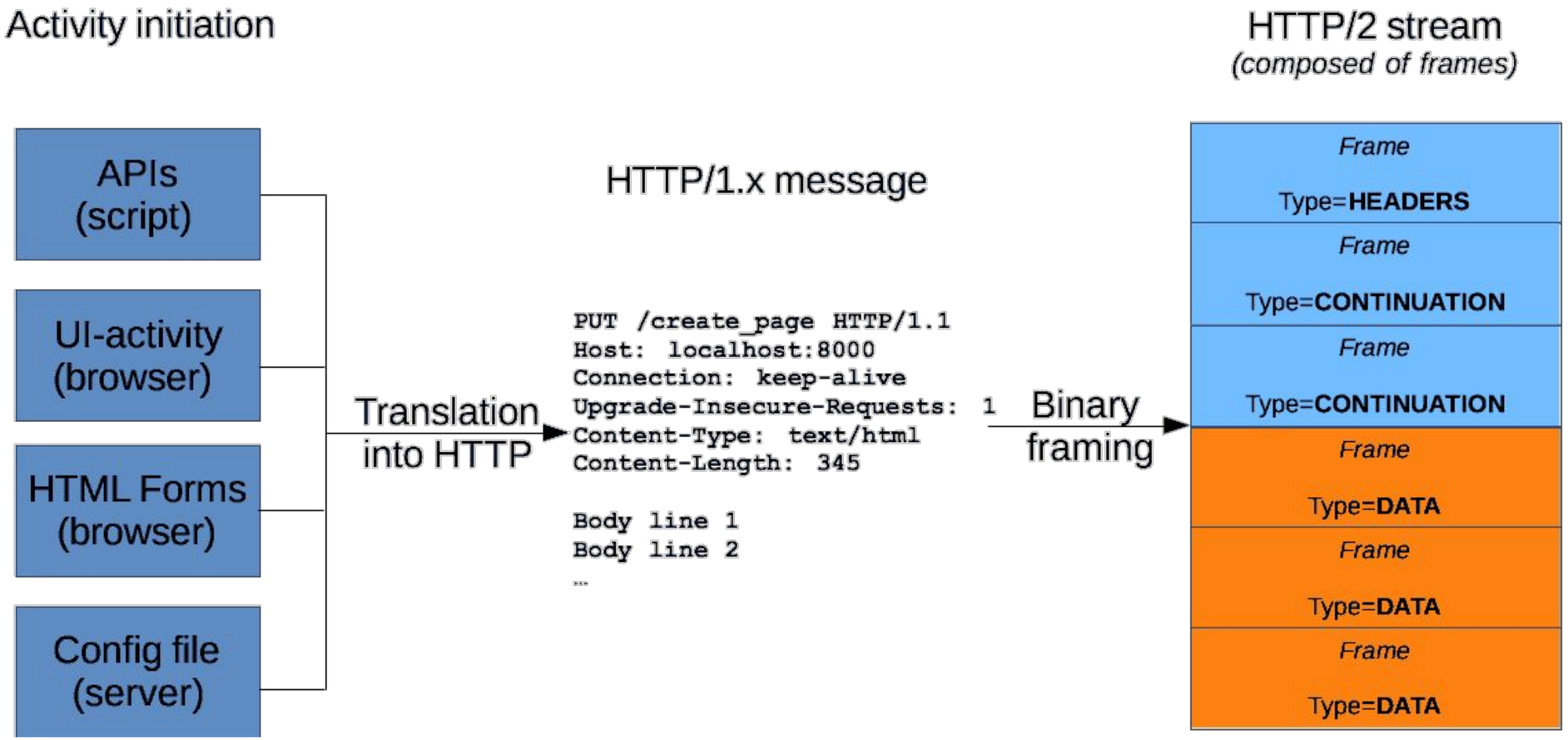
$ curl —version



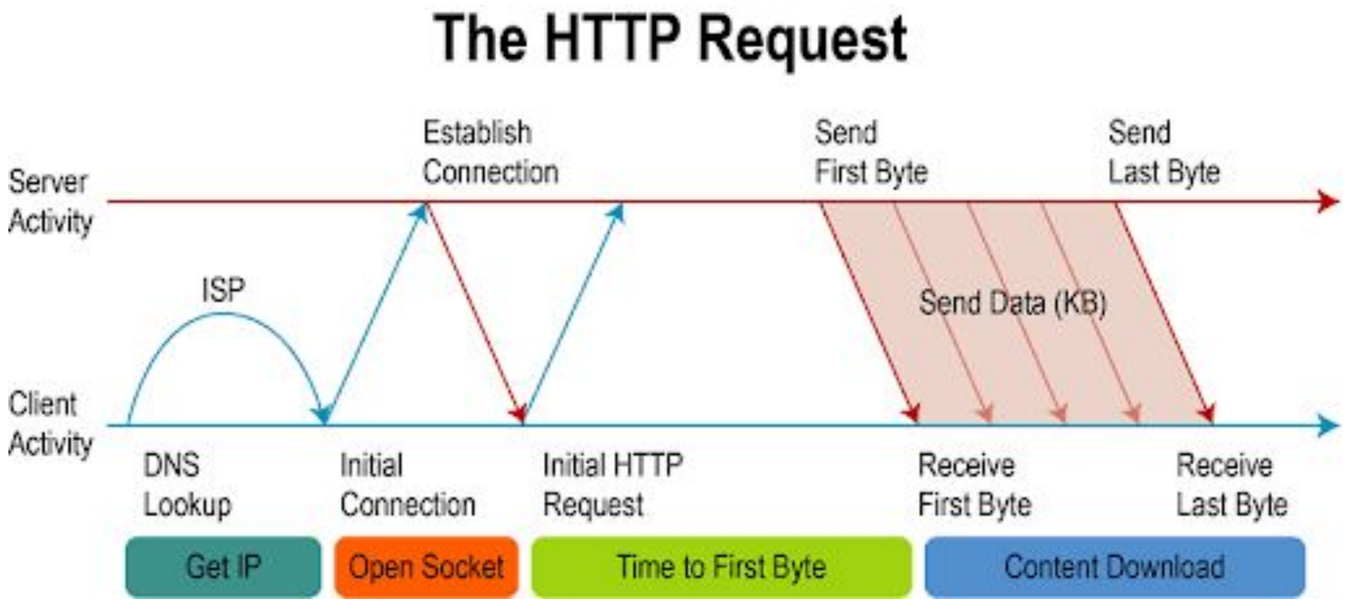
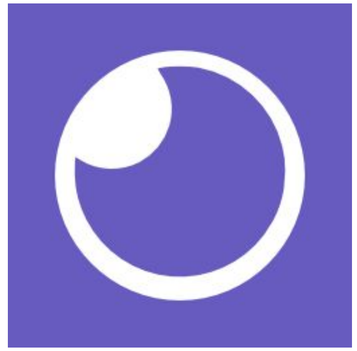
$ cat -v


HTTP/1.1 200 OK
Date: Sun, 08 Feb xxxx 01:11:12 GMT
Server: Apache/1.3.29 (Win32)
Last-Modified: Sat, 07 Feb xxxx
ETag: "0-23-4024c3a5"
Accept-Ranges: bytes
Content-Length: 35
Connection: close
Content-Type: text/html
<h1>My Home page</h1>
Status Line
Response Headers
Response Message Header
A blank line separates header & body
Response Message Body

$ http -v


Activity initiation
APIs (script)
UI-activity (browser)
HTML Forms (browser)
Config file (server)
Translation into HTTP
HTTP/1.x message
PUT /create_page HTTP/1.1
Host: localhost:8000
Connection: keep-alive
Upgrade-Insecure-Requests: 1
Content-Type: text/html
Content-Length: 345
Body line 1
Body line 2
…
Binary framing
HTTP/2 stream
(composed of frames)
Frame Type=HEADERS
Frame Type=CONTINUATION
Frame Type=CONTINUATION
Frame Type=DATA
Frame Type=DATA
Frame Type=DATA

$ telnet -v


The HTTP Request
Establish Connection
Send First Byte
Send Last Byte
Server Activity
ISP
Send Data (KB)
Client Activity
DNS Lookup
Initial Connection
Initial HTTP Request
Receive First Byte
Receive Last Byte
Get IP
Open Socket
Time to First Byte
Content Download

$ help -v