

THE WEB + HTTP

CYBERPRO
GLOBAL

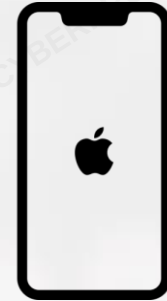
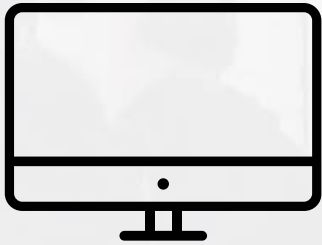
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In This Module

- Client vs Server
- HTTP Status Code
- HTTP Messages

Client Side

- The client is also known as the 'Front-end' or 'User' side of the web.
- This term typically refers to an application (mostly web browsers in the user's machine).

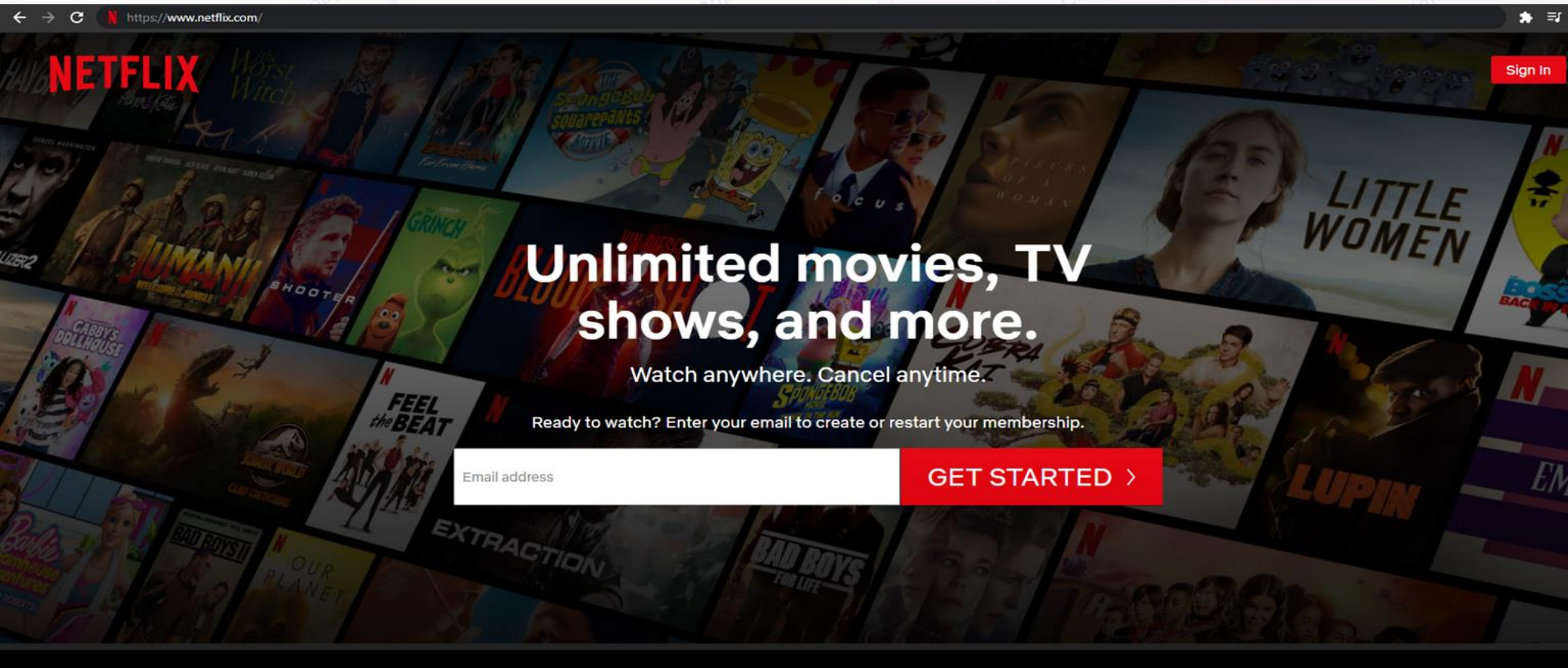


Client Side

The client-side includes what the user sees, such as:

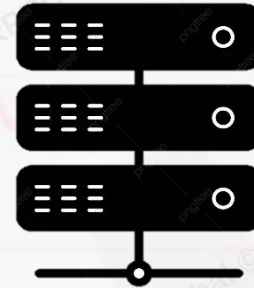
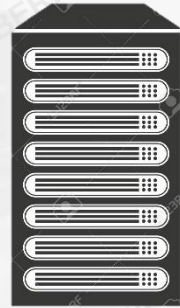
- Text
- Images
- UI
- Any action which can be taken on an end-host device.

Client Side - Example



Server Side

- The Server is also known as the 'back-end'.
- A Server is basically a computer.
- This computer is used to serve the client-side.
- The sever deals with the client's requests and provides responses.

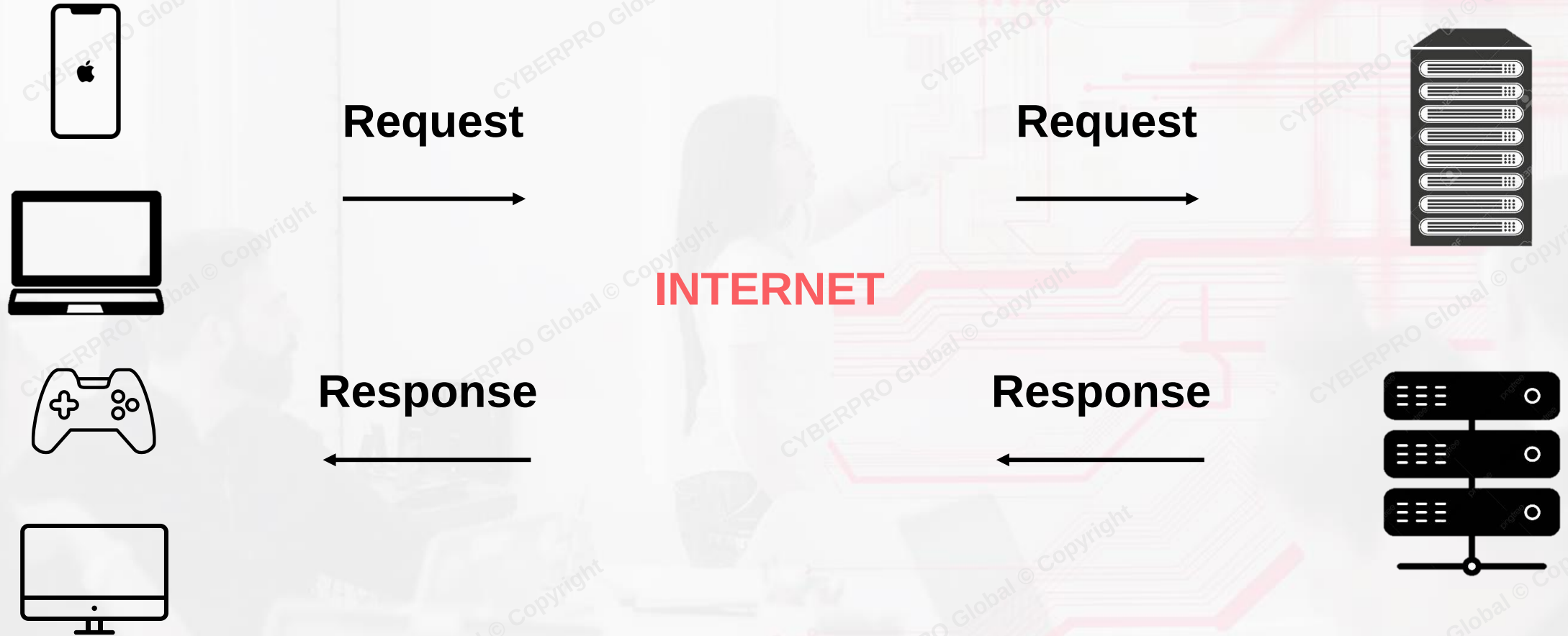


Server Side

The server-side includes everything that happens on the server, For instance:

- Interacting with databases
- Identity authentication.
- Sending information

Client – Server



HTTP

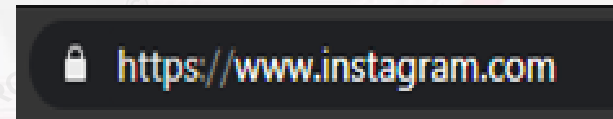
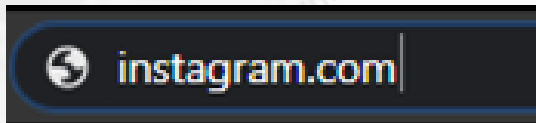


Hypertext Transfer Protocol

Remember this?

So, let's expand:

- All communication between clients and servers is based on HTTP.
- HTTP is a simple protocol, where a client sends a request to a server and waits for a response.



HTTP - Requests

An HTTP request is the communication between a Client and a Server over the internet.

Each HTTP request made across the internet carries certain information which contains:

- HTTP Method
- URI / URL
- HTTP Version
- HTTP Headers

HTTP Request - GET

We have said that each HTTP request contains a method.

The GET Method is used to request data from the server.

The GET requests should only receive data.

HTTP Request - POST

Another HTTP request method is POST.

POST requests are used to send data to a server, in order to create or update something in the server.

HTTP Request – GET, POST

Which is Which?

- Open Facebook (GET / POST)
- Log in (GET / POST)
- Loading profile picture (GET / POST)
- Updating profile picture (GET / POST)

HTTP - Responses

After receiving and processing a request from a client, the server responds with an HTTP response message.

Each HTTP response from a server contains:

- HTTP Version
- Status Code
- HTTP Response Headers

HTTP Status Codes

- Status Codes define the class of response from the server.

HTTP Status Codes



Questions?

The background of the slide features a faded, grayscale image of a group of people in a meeting. A woman in the center is pointing at a screen, while others are seated around a table. Overlaid on this image are red and white circuit-like lines that trace across the scene, adding a technological or digital aesthetic. The text 'Thank You!' is centered in a large, bold, dark blue font.

Thank You!