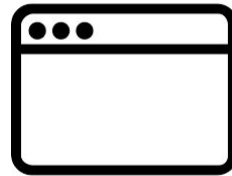
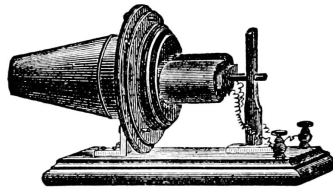
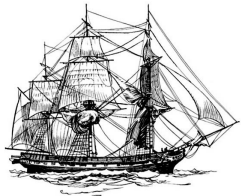


Basics Web Server

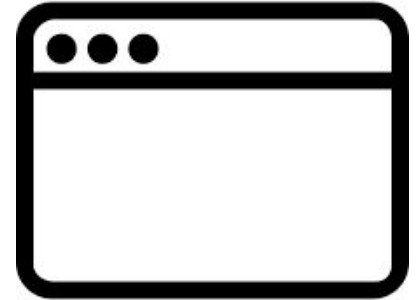
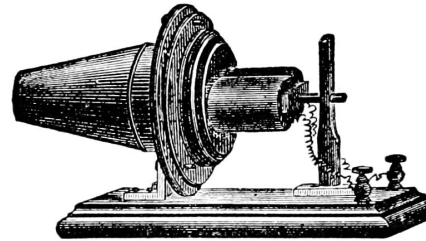
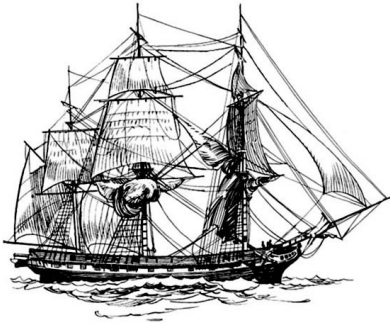


Objectives

- *Motivation web server*
- *What is the web?*
- *What is a server?*
- *What is a web server?*

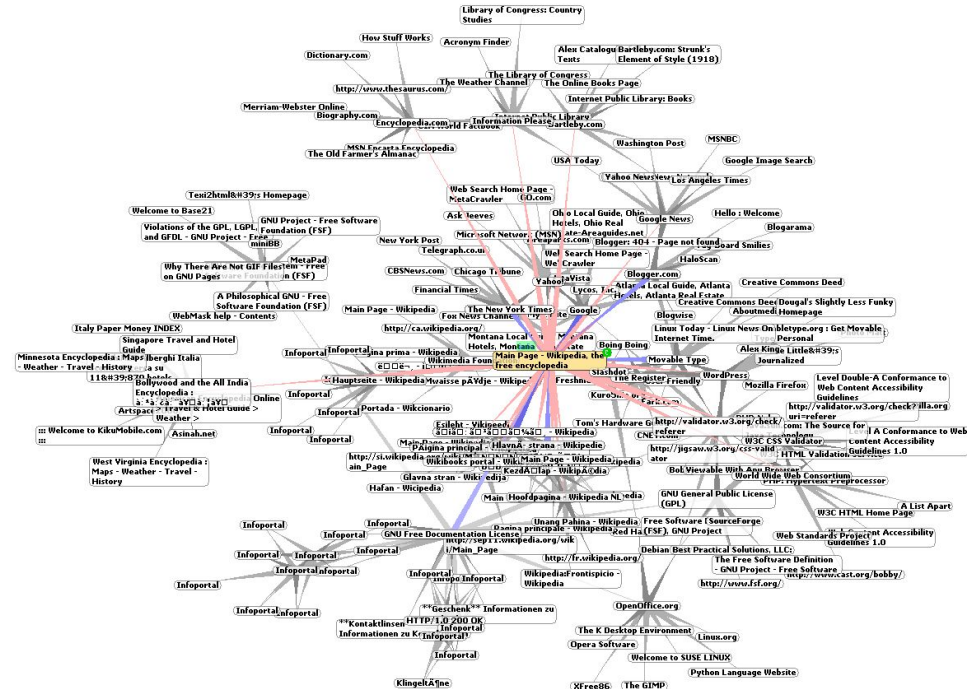
Motivation

- *How to easily exchange information?*
- *Web servers offer exchange information from web sites from anywhere, anytime -- isn't it amazing!*
- *More and more web services, web clients,....*
- *....*
- *Many modern technology offer web server technology (nginx, apache, microsoft, cloud services,...)*



What is the web?

- The web is a part of the Internet
- The web is an abbreviation for World Wide Web (www)
- The web is a collection of web sites
- Every web site has web address
- There are 1,197,982,359 web sites in the world as of January 2021
- E.g., www.example.com is a web site in the web



What is the web?

- The first web site was from 1992 <http://info.cern.ch/hypertext/WWW/TheProject.html>

World Wide Web

The WorldWideWeb (W3) is a wide-area [hypermedia](#) information retrieval initiative aiming to give universal access to a large universe of documents.

Everything there is online about W3 is linked directly or indirectly to this document, including an [executive summary](#) of the project, [Mailing lists](#), [Policy](#), November's [W3 news](#), [Frequently Asked Questions](#).

[What's out there?](#)

Pointers to the world's online information, [subjects](#), [W3 servers](#), etc.

[Help](#)

on the browser you are using

[Software Products](#)

A list of W3 project components and their current state. (e.g. [Line Mode](#), [X11 Viola](#), [NeXTStep](#), [Servers](#), [Tools](#), [Mail robot](#), [Library](#))

[Technical](#)

Details of protocols, formats, program internals etc

[Bibliography](#)

Paper documentation on W3 and references.

[People](#)

A list of some people involved in the project.

[History](#)

A summary of the history of the project.

[How can I help?](#)

If you would like to support the web..

[Getting code](#)

Getting the code by [anonymous FTP](#), etc.



What is a server?

- *A server is an entity that offers a service to a client*
- *E.g., restaurant server*
- *E.g., mail server, print server, or web server*

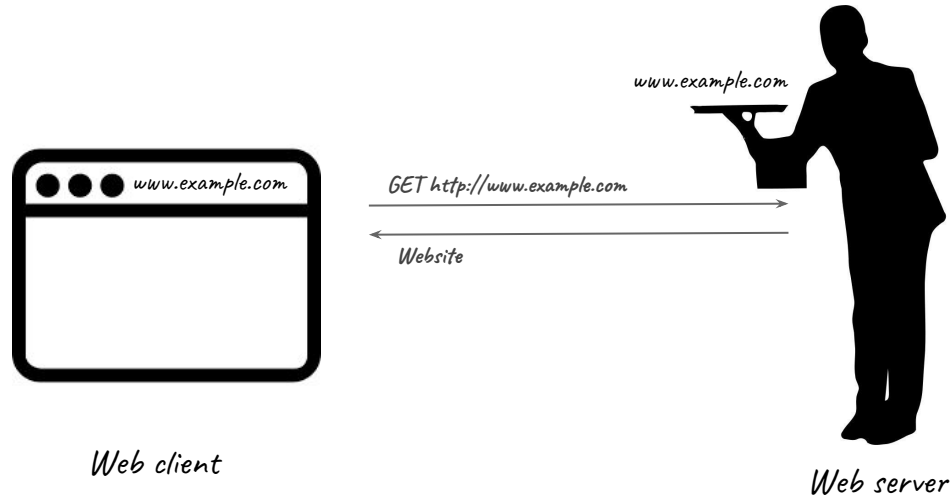


What is a web server?

- *A web server is a software*
- *A web server offers web sites to a web client*
- *A web client can be a browser for example*
- *A web server listens for web client requests*
- *A web client (e.g., browser) makes a web server request (e.g., GET <http://www.example.com>)*
- *A web server makes a web server response (HTML, JavaScript, CSS, Data, Video, Image,*



What is a web server?



References

- https://en.wikipedia.org/wiki/Web_server
- https://en.wikipedia.org/wiki/Web_browser
- https://en.wikipedia.org/wiki/World_Wide_Web
- https://en.wikipedia.org/wiki/CERN_httpd
- <https://siteefy.com/how-many-websites-are-there>

Basics Web Server

