

webProduction 1

Online-Mix

Synchronous: Wednesdays @ 5:00 pm - 6:30 pm

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**what are ways humans have
moved information across
geographic space?**



Great Wall of China Signal Towers

400 BC - fire/smoke or drum beats

200 BC - 220 AD - Han dynasty - flags, lights, gunshots

Barack Obama
1600 Pennsylvania Ave NW
Washington, DC 20500

PORTLAND OR 970

23 JAN 2014 PM 3 L



Hugh Amick
vLetter, inc
509 Cascade Ave, Suite H
Hood River, OR 97031

97031206080





First message sent from Washington D.C. to Baltimore
Samuel Morse 1844

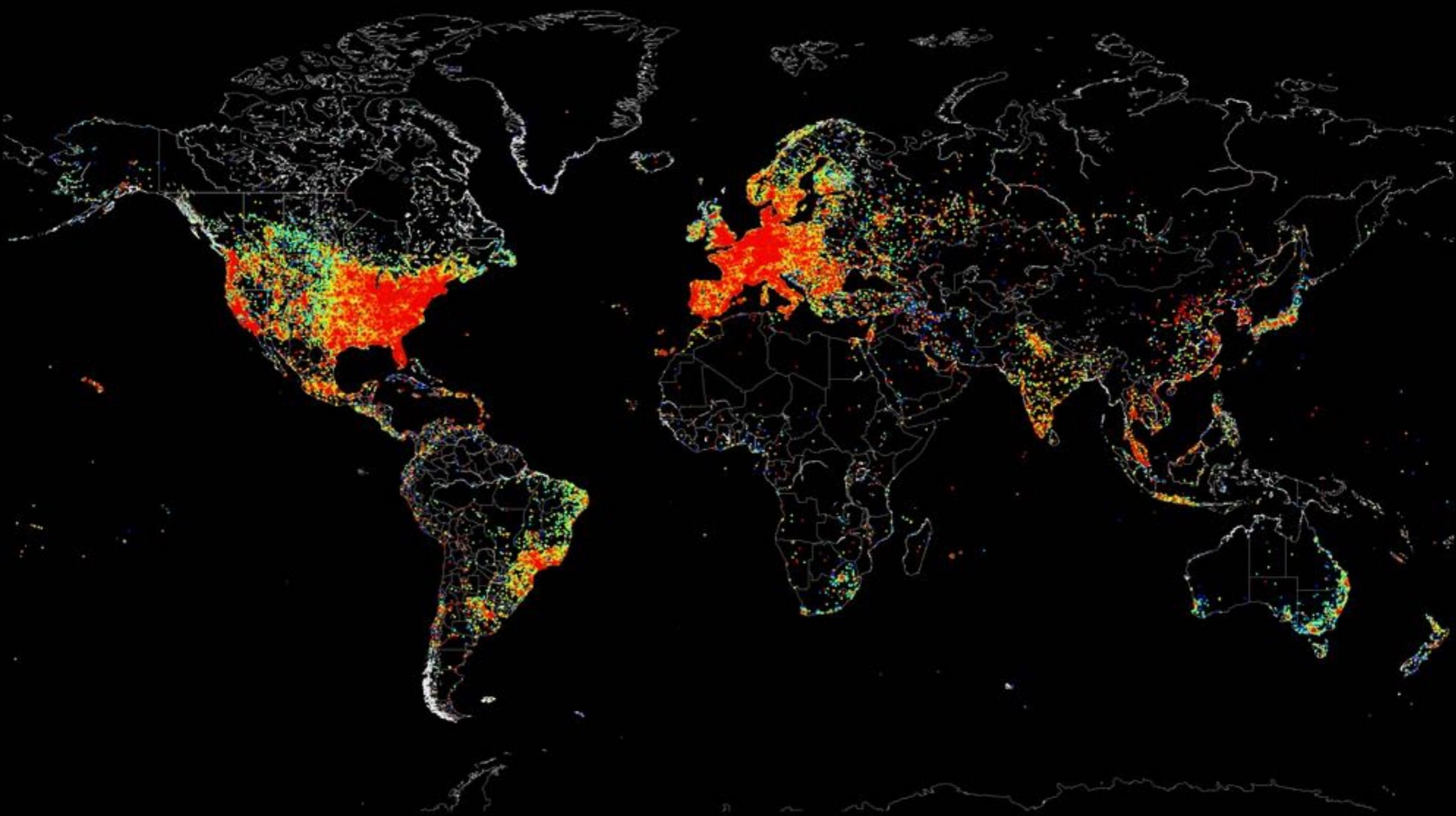
A decorative horizontal separator consisting of two rows of pink dots and dashes, separated by a thick pink diagonal line.

“What hath God wrought?”

EASTERN TELEGRAPH CO'S SYSTEM AND ITS GENERAL CONNECTIONS.



1901 Telegraph cables

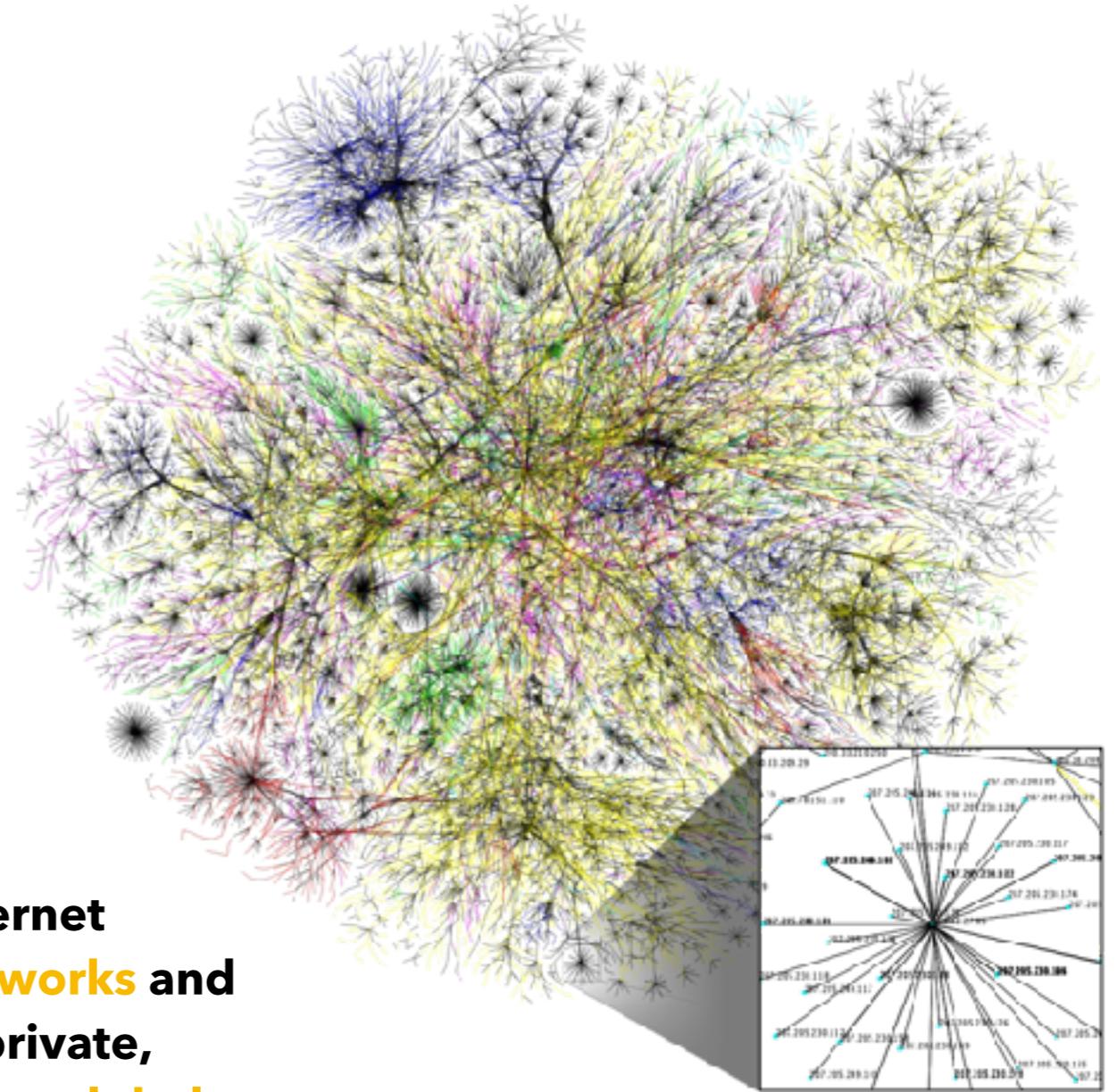


2014 map of every connected device

what is the **internet?**

The Internet (or internet) is the global system of interconnected computer networks that uses the Internet protocol suite (TCP/IP) to communicate between networks and devices. It is a network of networks that consists of private, public, academic and government networks of local to global scope, linked by a broad array of electronic, wireless, and optical networking technologies.

The Internet carries a vast range of information resources and services, such as the inter-linked hypertext documents and applications of the World Wide Web (WWW), electronic mail and file sharing.



the internet was
invented to enable
access to remote
computers



1969 - Arpanet (Advanced Research Projects Agency)

first message sent from UCLA to Stanford via **TCP/IP protocol**

stanford machine had 128 Kb of memory and 24 Mb of disk space



System crashed before rest of the message was transmitted



1974 - Arpanet network map

www

The World Wide Web is an
information system where
documents and other
resources are identified by
Uniform Resource Locators
which may be interlinked by
hyperlinks, and are
accessible over the internet.

we colloquially call a URL an address

the URL for this web page is: <https://www.google.com>

Google

https://www.google.com

About Store Gmail Images

we colloquially call a URL an address

Carbon neutral since 2007

Advertising Business How Search works



.html files almost always live on a server in a directory with other open source “code” files with the extensions: .css and .js. Server storage works much like the local storage on yr laptop (which is why we need to avoid having our class work on any kind of “cloud” as it could (and will!) interfere with your work.

HTML



CSS

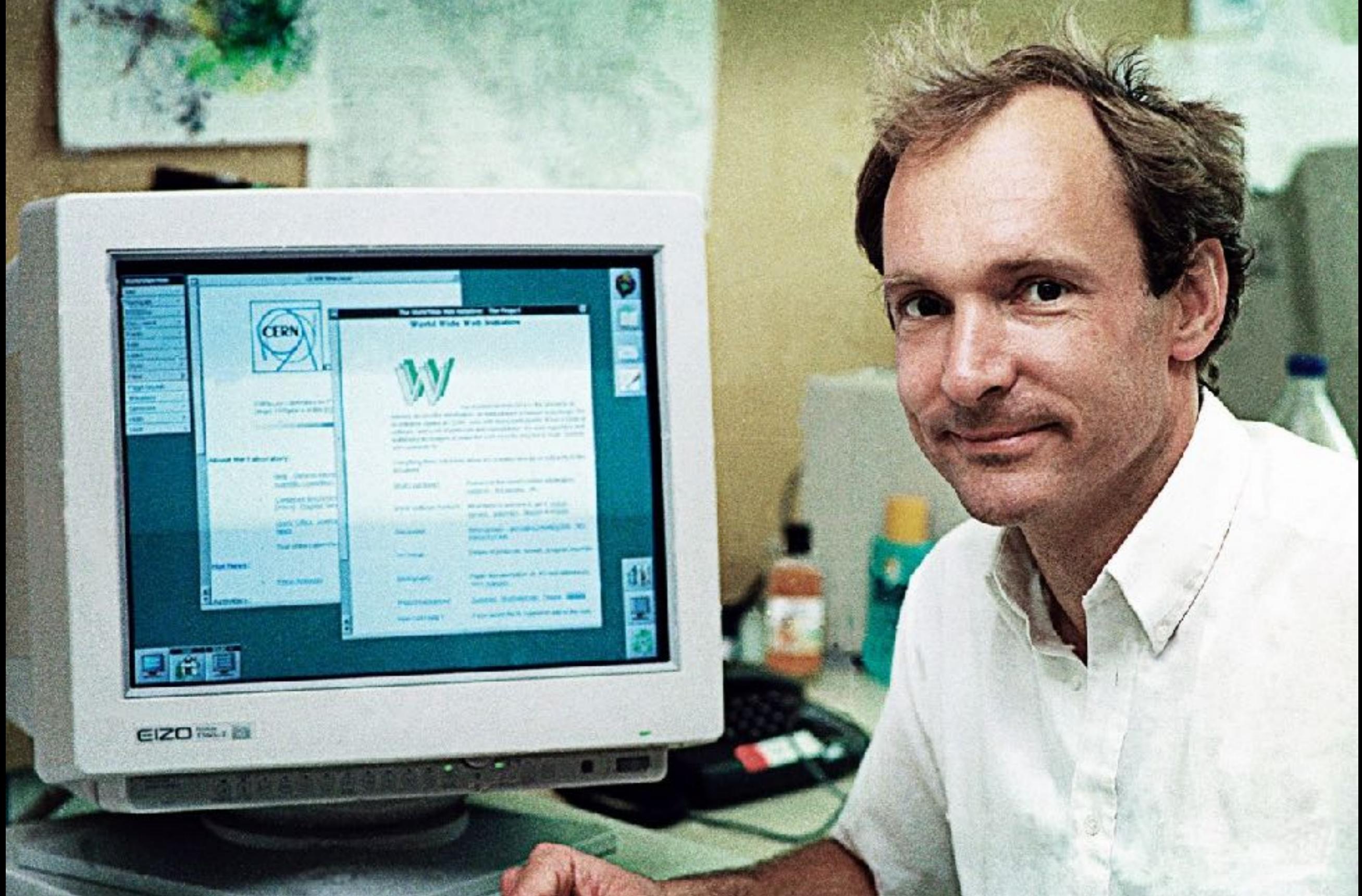


JS



The resources for the Web are transferred via the Hypertext Transfer Protocol may be accessed by users by a software application called a browser, and are published by a software application called a server. HTML pages + the servers they communicate with can vary from relatively simple (ie what we'll be doing) to very sophisticated web applications but in any case they must be written in proper HTML syntax in a file with .html extension (although a user might not always see it!)

who invented the web?



Tim Berners Lee invents the web in 1989



1989 - First Web Server

Due to the way the computer's storage was designed, Tim Berners-Lee invents the WWW (HTTP) on a NeXT machine

Web. 1.0

HTML + CSS + JS

1989 - 2004

HTML - Hyper Text Mark Up

is a grammar for structuring web pages. It defines paragraphs, headings, data tables + media elements. HTML describes the content of the page - not how it looks.

CSS - Cascading Style Sheet

rules for styling a web page. Setting colors, positioning, typeface, layout and even timing. It can be used to consider the design of your page across different platforms and screen sizes.

```
<!DOCTYPE html>
<html>
  <head>
    <title> 🖥 Inro to CSS</title>
  </head>
  <body>
    <h1>
      This Webpage though....
    </h1>
    <p>
      here is a page of text. here is a page of text. here...
    </p>
    <img src = "https://media.giphy.com/media/
IYf4uAJEWVo1FffnVD/giphy.gif">
  </body>
</html>
```

This Webpage though....

here is a page of text. here is a page of text. here...



html looks like this:

CSS - Cascading Style Sheet

```
h1 {  
    color: #FF4500  
}  
  
body {  
    background: #000080;  
    font-family: sans-serif;  
    color: rgb(255,255,255);  
}  
  
body p {  
    font-family: 'Courier New';  
}
```



html + css: