



# Internet Basics for Web Development

A short history and core concepts

Image  
Of time Berners lee

Dr. Omar Hammad



# Set up your GitHub page

1. Go to [www.github.com](https://www.github.com)
2. Create an account
3. Share your link to the shared excel file

10 mins

Vague but exciting ...

Tim Berners-Lee, CERN/DD  
March 1989

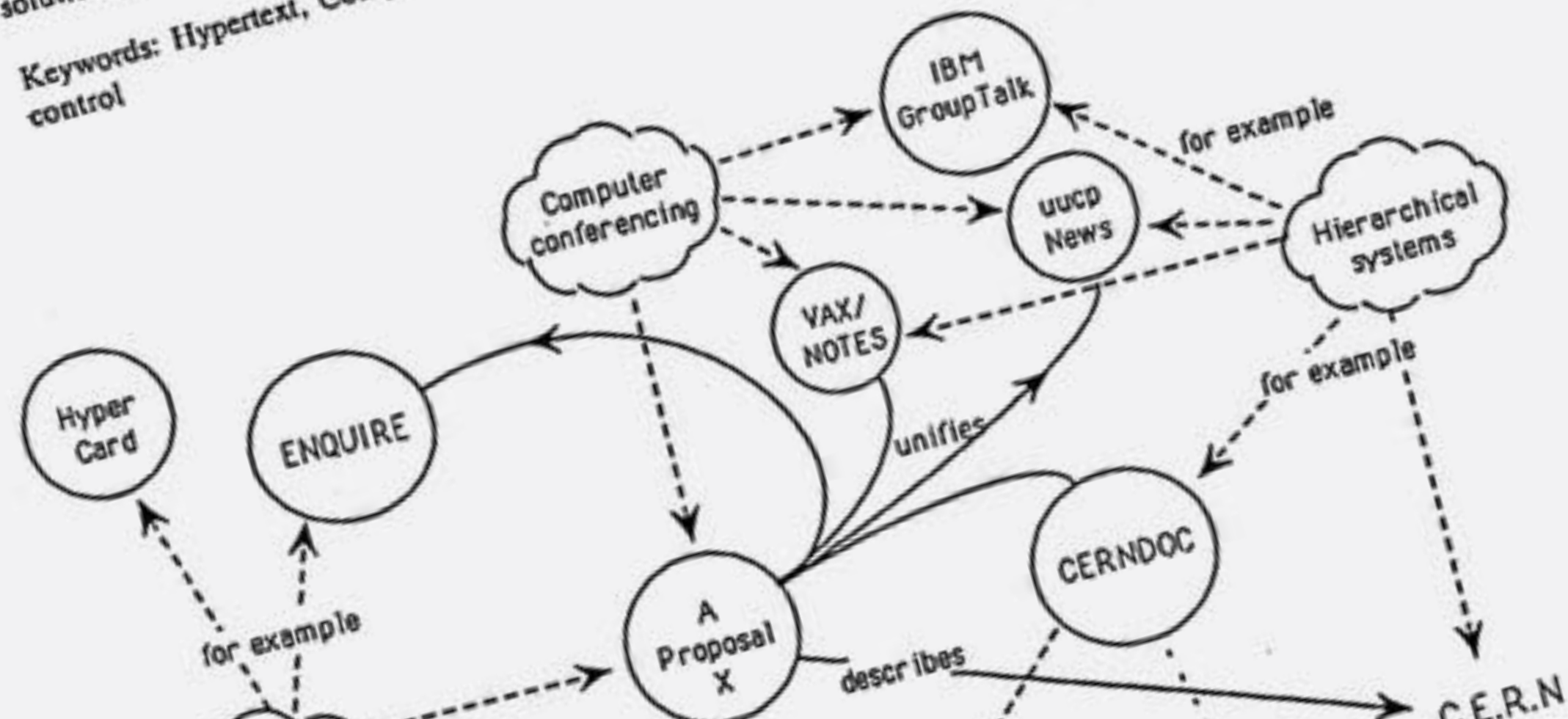
CERN DD/OC  
Information Management: A Proposal

## Information Management: A Proposal

### Abstract

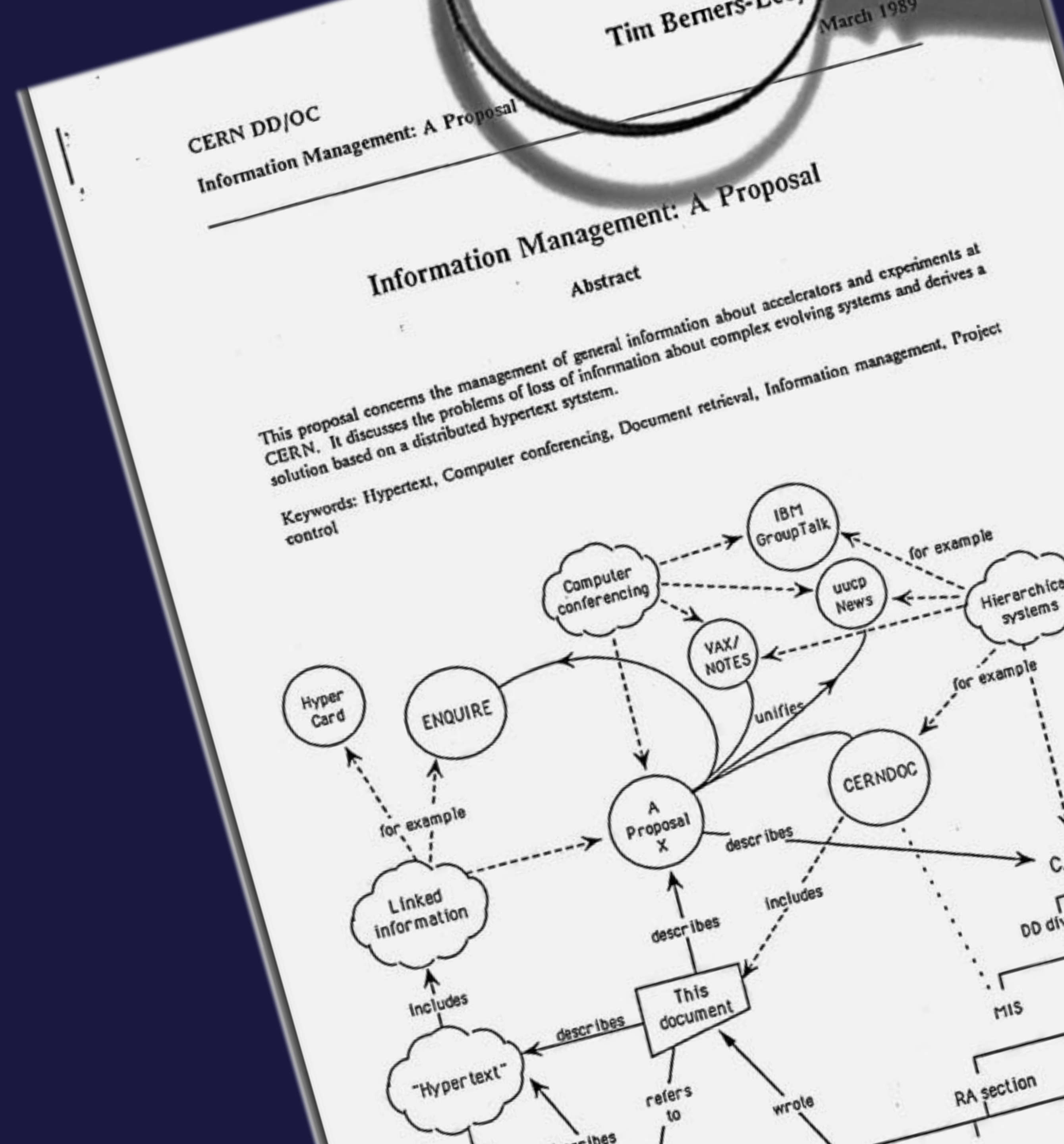
This proposal concerns the management of general information about accelerators and experiments at CERN. It discusses the problems of loss of information about complex evolving systems and derives a solution based on a distributed hypertext system.

Keywords: Hypertext, Computer conferencing, Document retrieval, Information management, Project control





“Vague but exciting”



**Internet users at the time**

**3 Million  
Users**





Image: © CERN

# Essential Elements

HTML   URL   HTTP

Browser   Server



# 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](#), [Pol](#)

## [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..

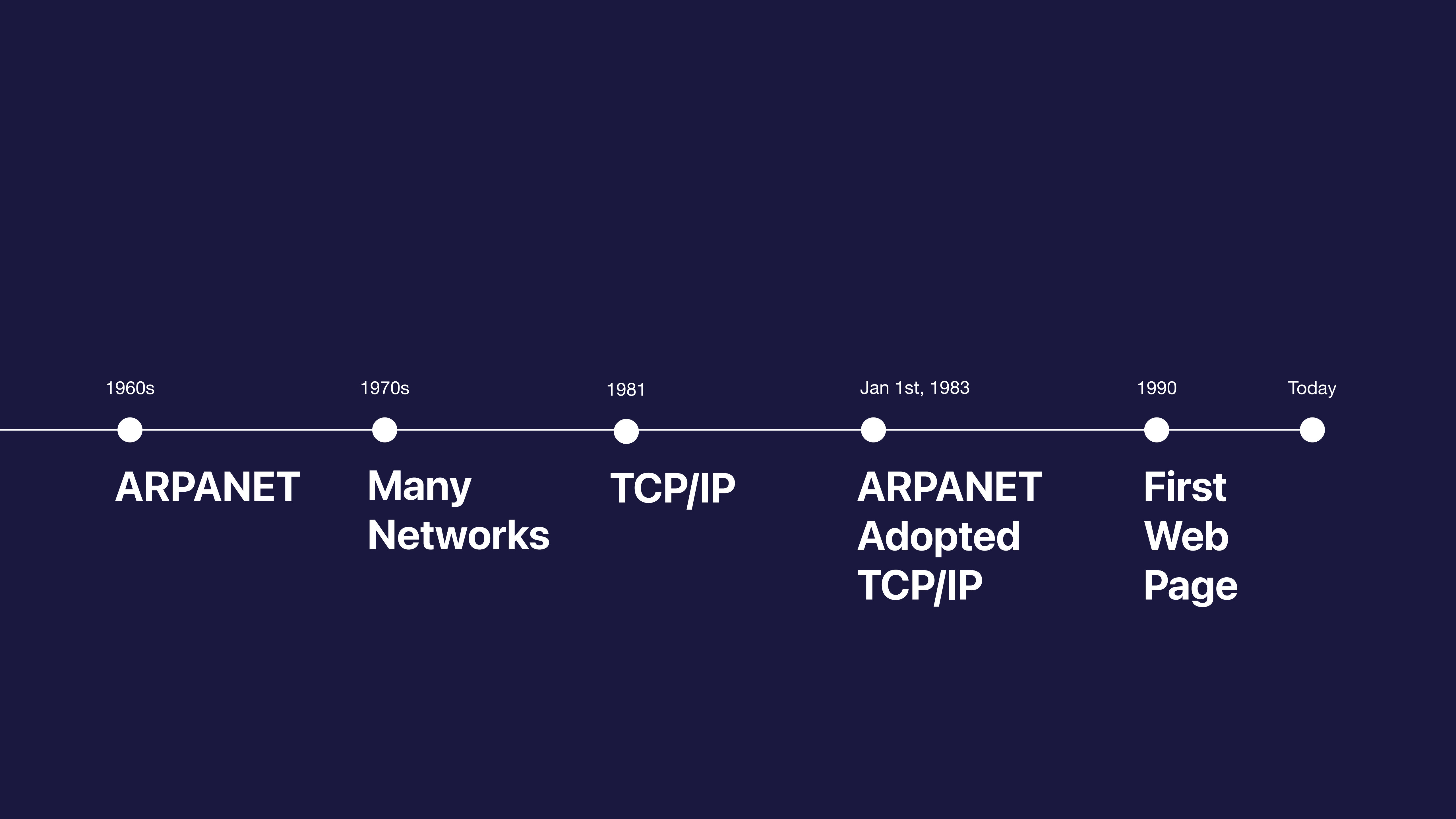
## [Getting code](#)

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

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

[Getting code](#)





1960s



**ARPANET**

1970s



**Many  
Networks**

1981



**TCP/IP**

Jan 1st, 1983



**ARPANET  
Adopted  
TCP/IP**

1990



**First  
Web  
Page**

Today



## Research & Present

# Explore web Fundamental components

1. Form 5 groups
2. Assign a topic to each group
3. Brainstorm questions & Research (10m)
4. Present the topic (5m)
5. Answer other's questions (2m)

25 minutes



## Research & Present

HTML      URL      HTTP

Browser      Server

25 minutes

**Next Lecture ..**

**<HTML>**