



Pontificia Universidad Católica de Chile  
Escuela de Ingeniería  
Departamento de Ciencia de la Computación

# Fundamentos de la Web

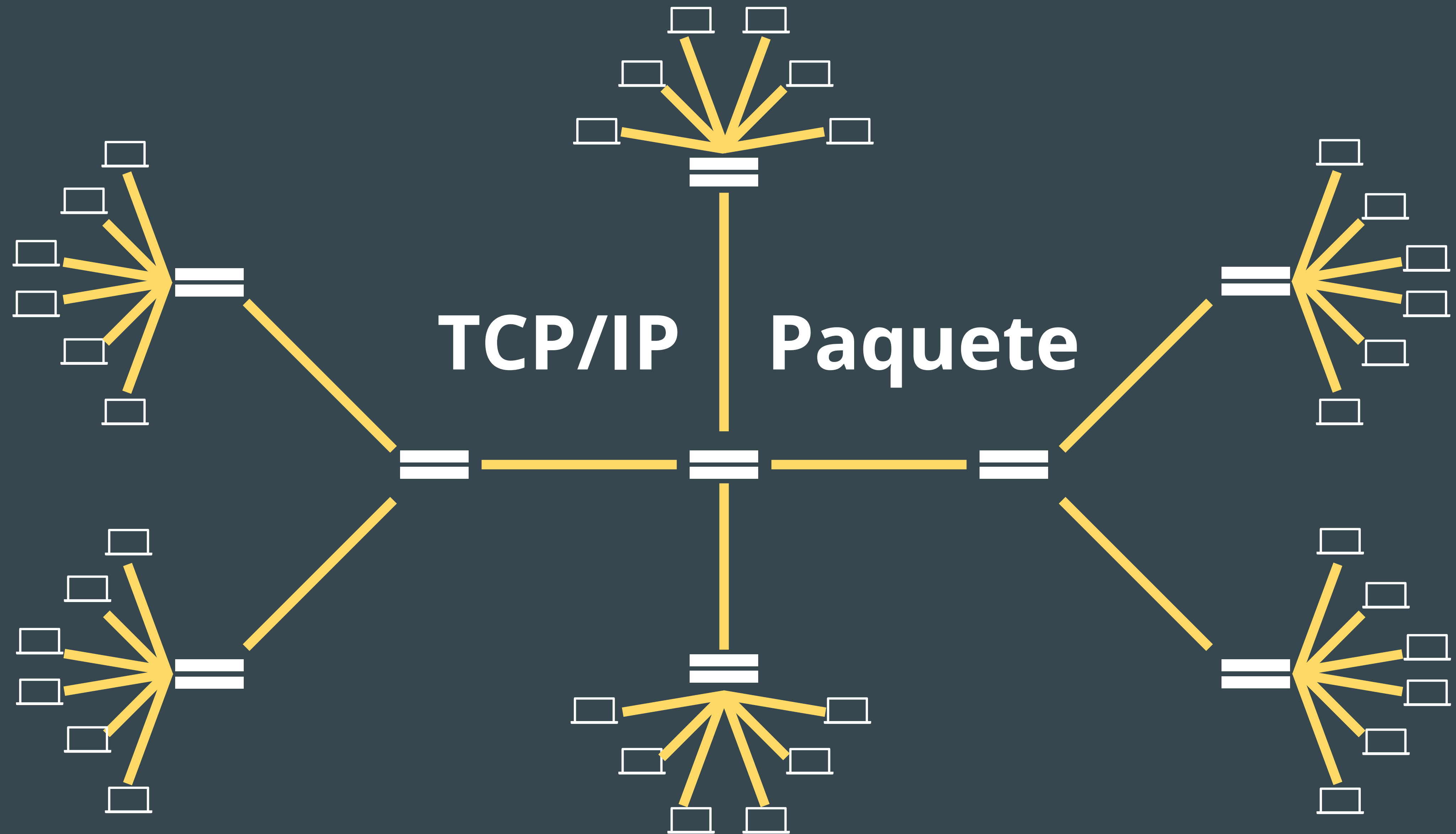
**IIC2513 - Tecnologías y Aplicaciones Web**

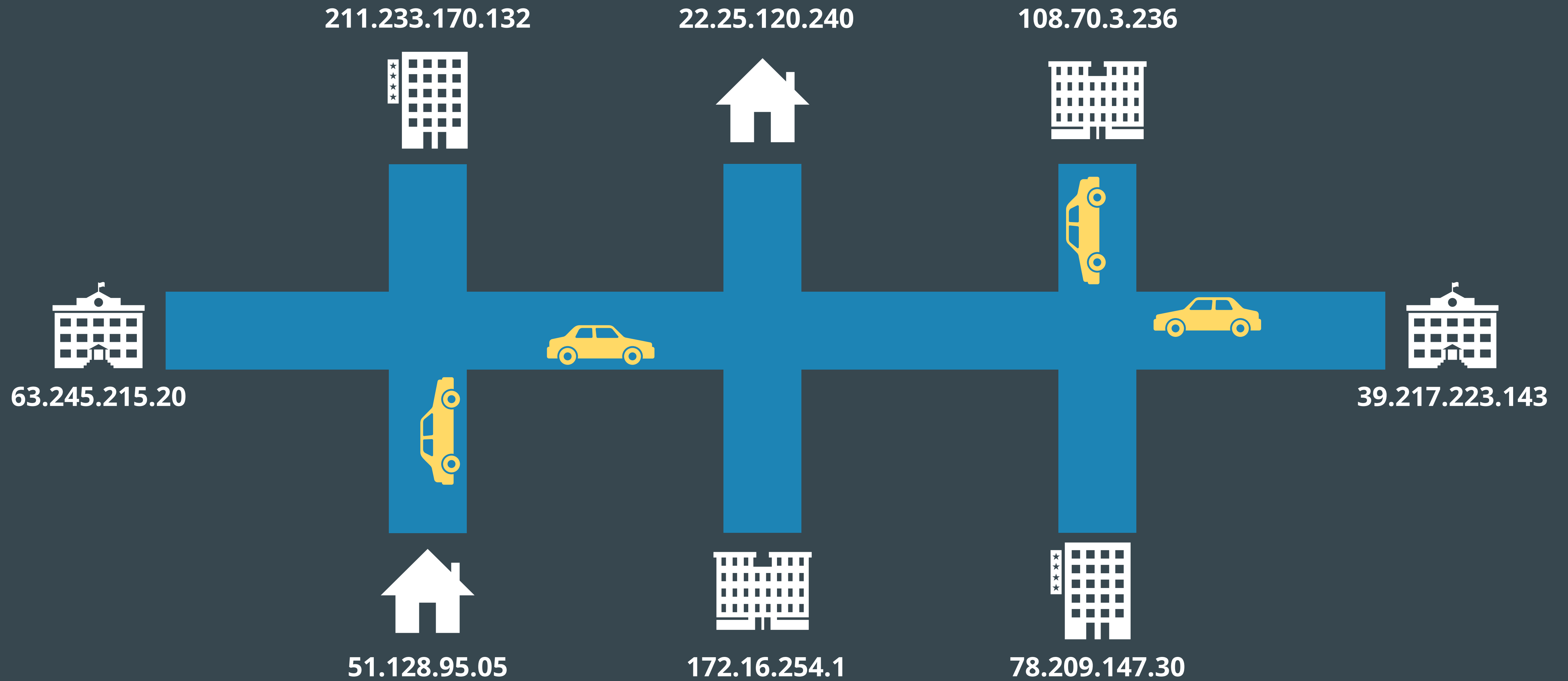
Sebastián Vicencio R.  
2do Semestre 2020

¿Internet === Web?

# Internet

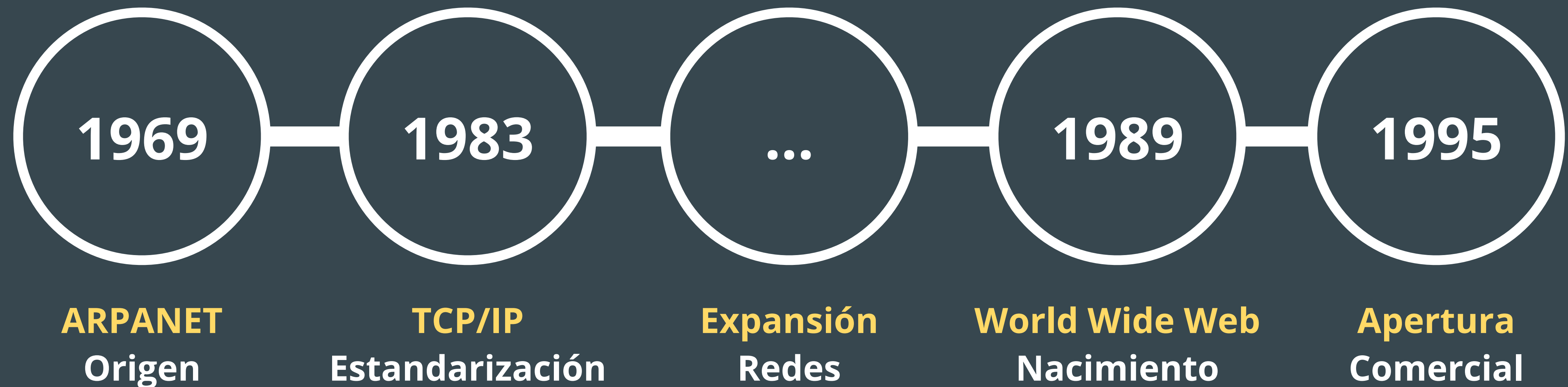
**Infraestructura** sobre la cual  
está construida la Web





# Historia Internet

## Hitos importantes



# World Wide Web

La Web como un **servicio**

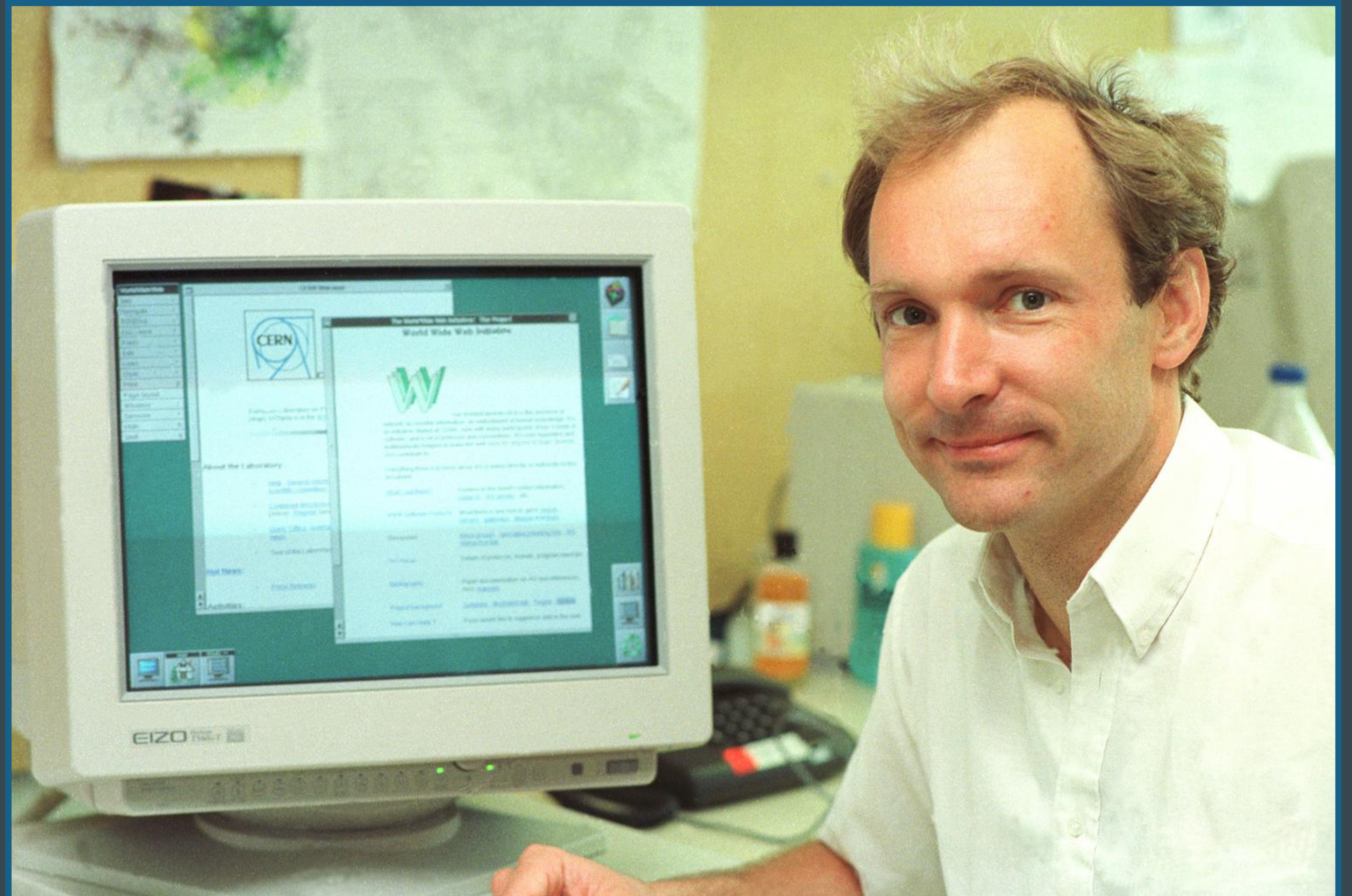


# Creada en 1989

**Tim Berners-Lee**

Ingeniero de software

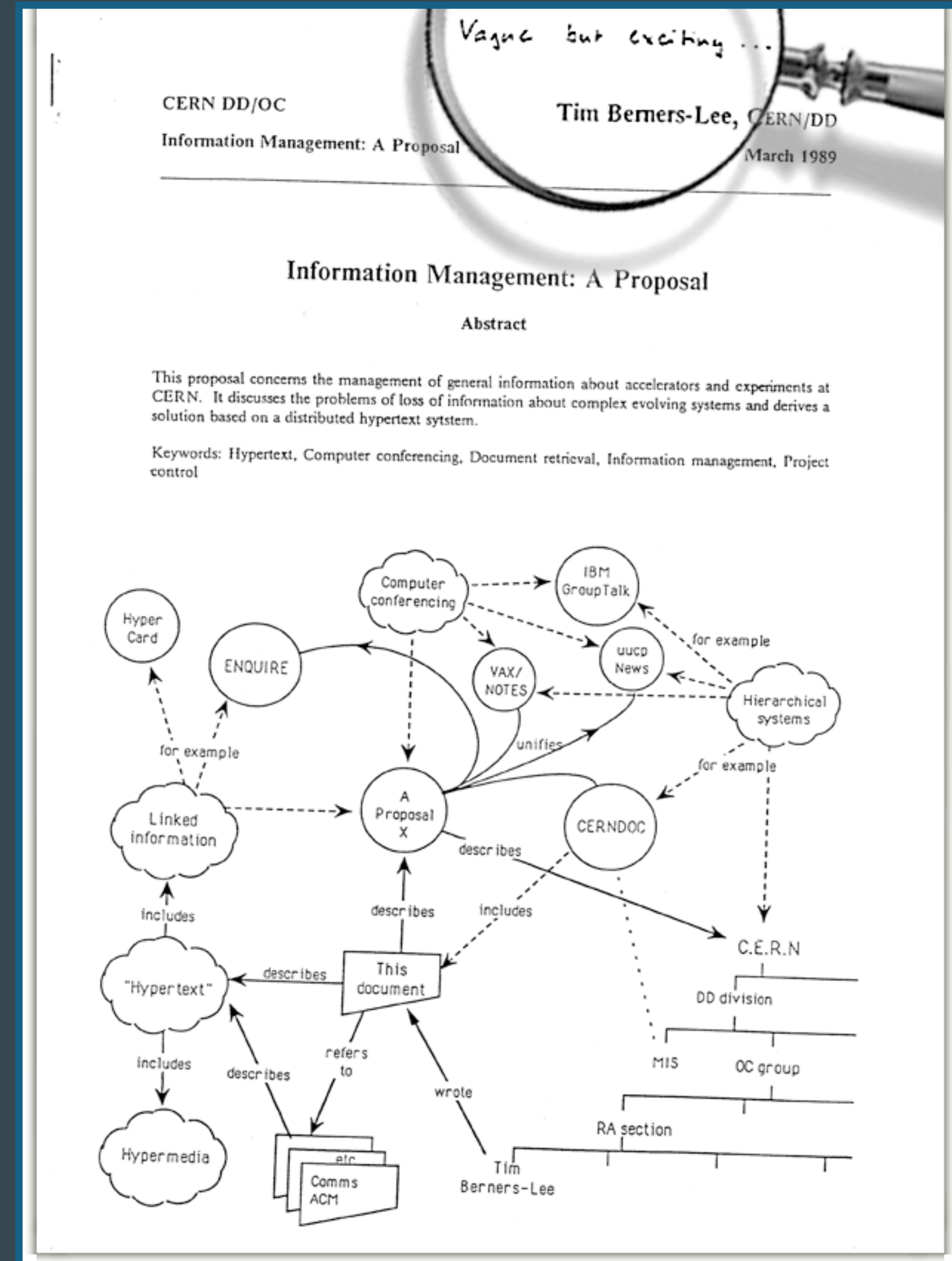
**CERN**





# Information Management: A Proposal

Compartir documentos académicos.



Fuente: <http://info.cern.ch/Proposal.html>

# Primer sitio web

## Finales de 1990

### 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.

Fuente: <http://info.cern.ch/hypertext/WWW/TheProject.html>

30 de abril de 1993

Se **libera** código fuente

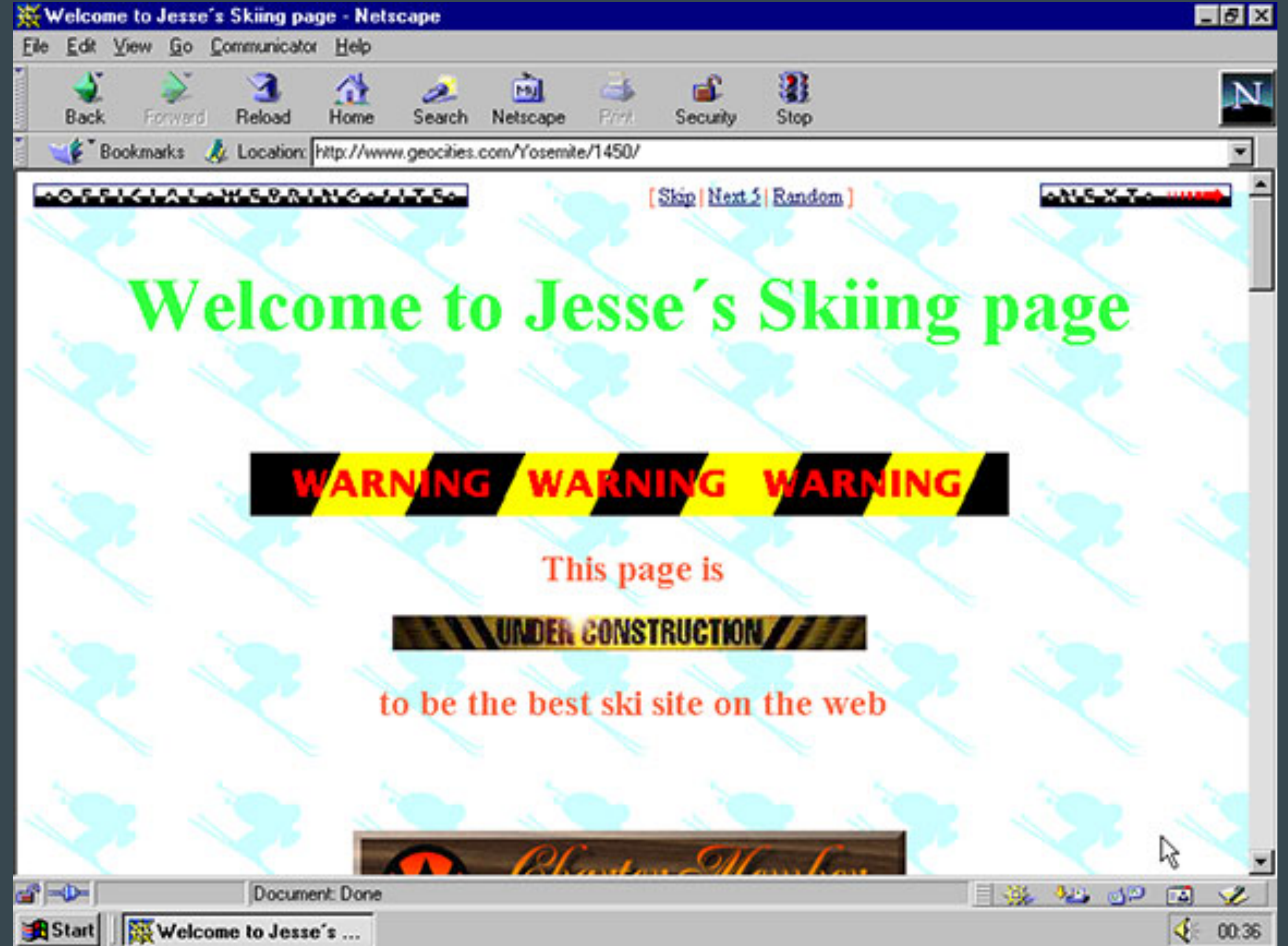
La Web es **Open Source**



# Web 1.0

## Antes

- Sitios web sólo de lectura
- No es interactiva
- Unidireccional

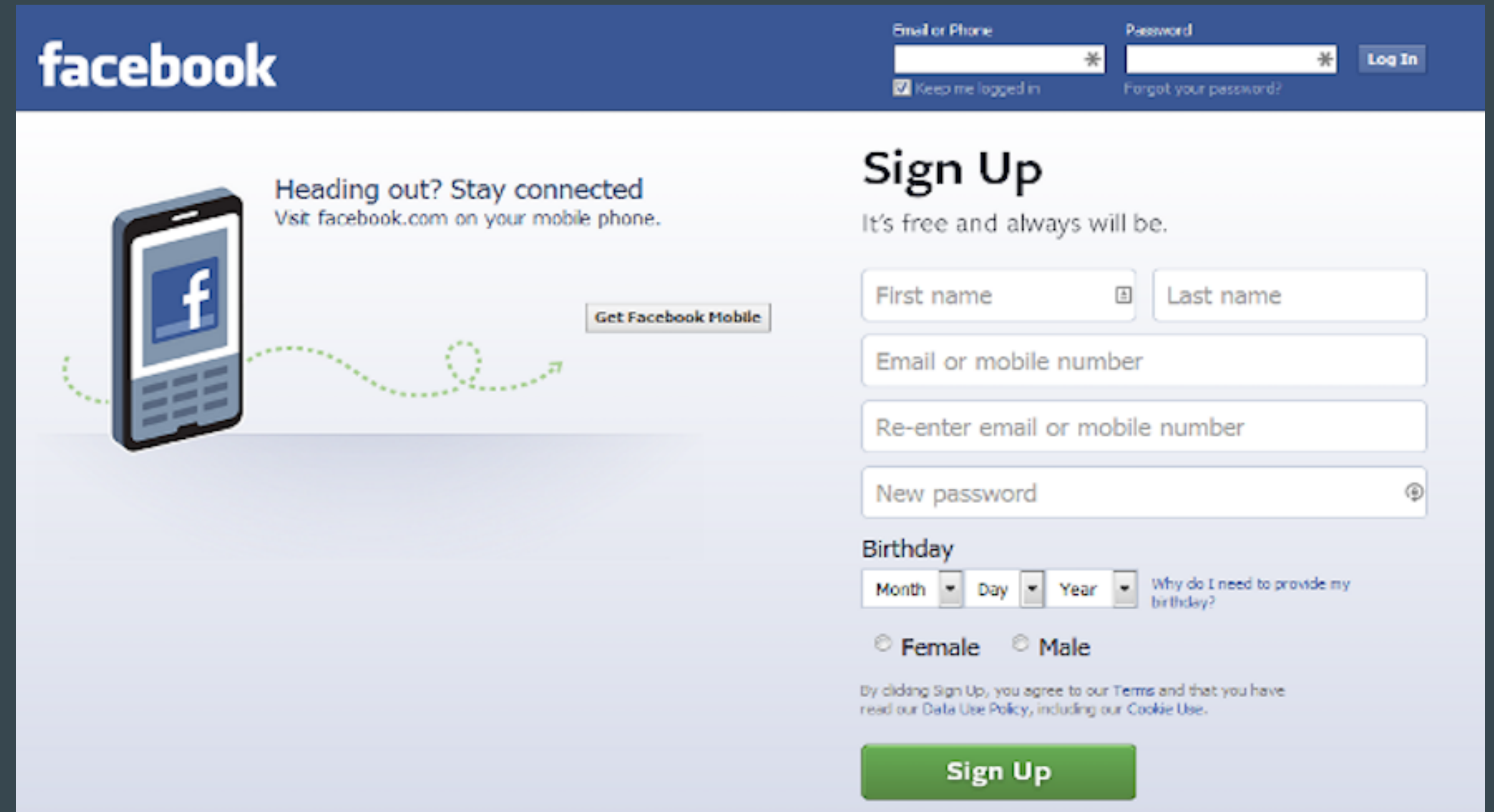


Fuente: <https://bit.ly/3amhMr4>

# Web 2.0

## Ahora

- Usuarios pueden **crear**
- Existe participación
- La Web como **plataforma**



The image shows the Facebook sign-up interface. At the top, there's a blue header with the Facebook logo and login fields for 'Email or Phone' and 'Password', along with a 'Log In' button and a 'Keep me logged in' checkbox. Below the header, on the left, is a promotional graphic for Facebook Mobile showing a smartphone with the Facebook logo and a 'Get Facebook Mobile' button. To the right of this is the 'Sign Up' section. It starts with the heading 'Sign Up' and the subtext 'It's free and always will be.' Below this are several input fields: 'First name' and 'Last name' (with a small icon for a name suggestion), 'Email or mobile number', 'Re-enter email or mobile number', and 'New password' (with a strength indicator icon). Under these is the 'Birthday' section with dropdown menus for 'Month', 'Day', and 'Year', and a link 'Why do I need to provide my birthday?'. Below the birthday section are radio buttons for 'Female' and 'Male'. At the bottom of the sign-up section is a green 'Sign Up' button. A small disclaimer at the bottom of the sign-up section reads: 'By clicking Sign Up, you agree to our Terms and that you have read our Data Use Policy, including our Cookie Use.'

Fuente: <https://bit.ly/31R2bvE>

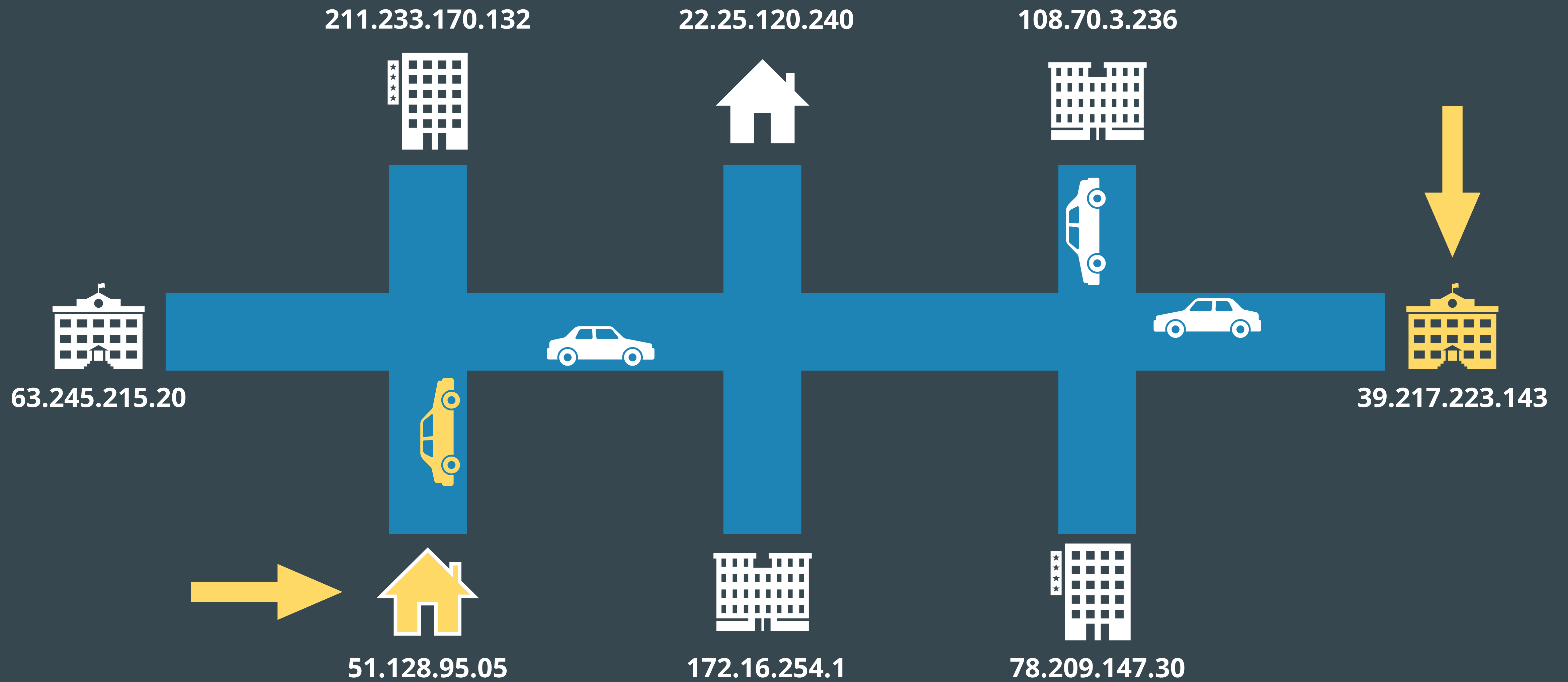


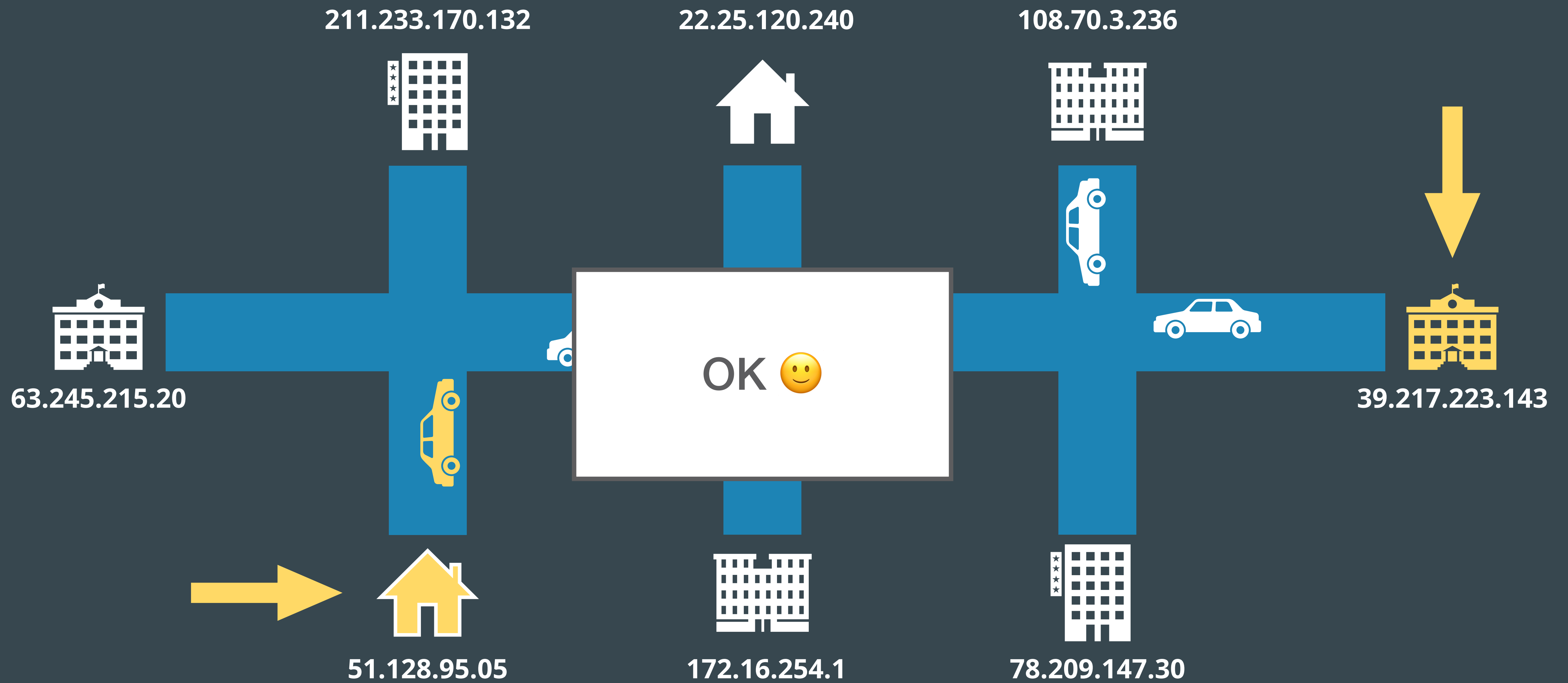
# ¿Y qué sigue?

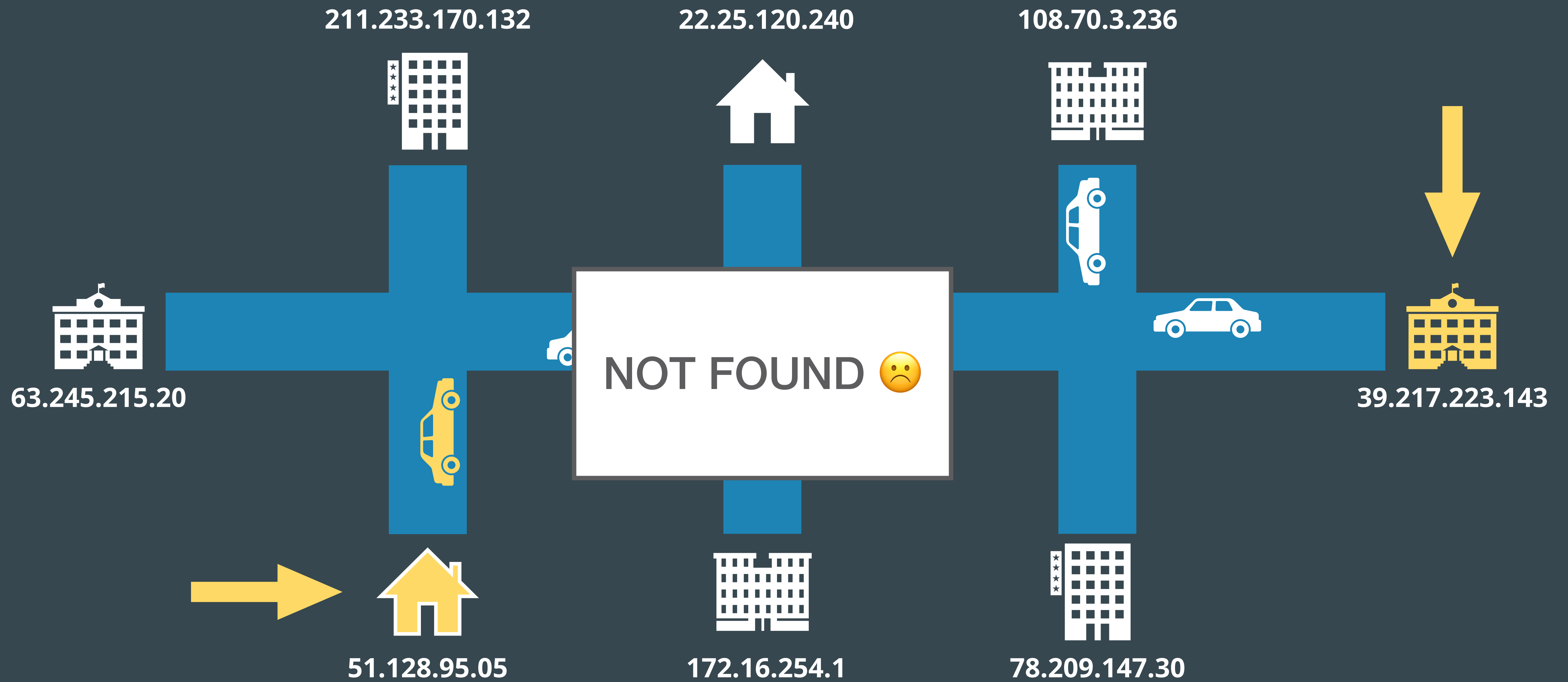


# Cómo funciona la Web

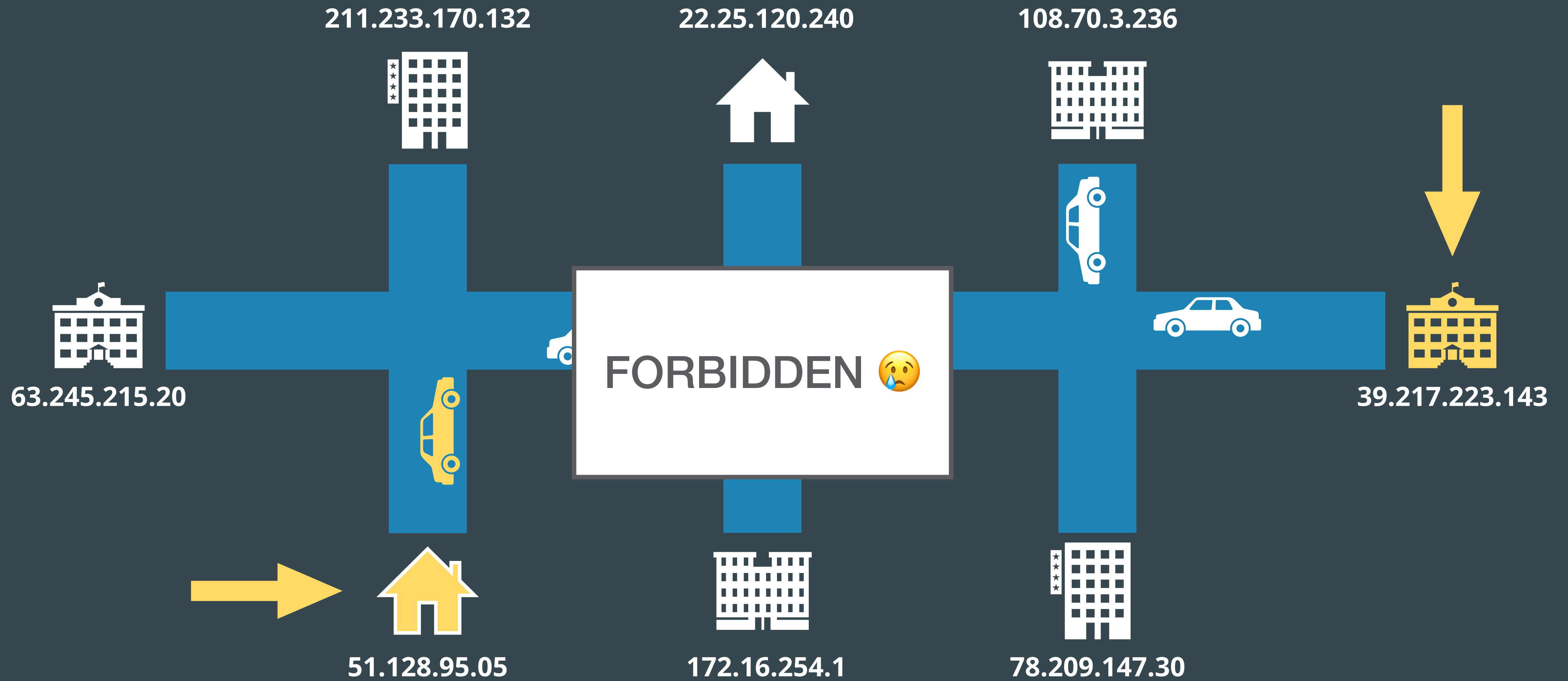
Conceptos básicos











# Arquitectura **Cliente - Servidor**

CLIENTE



SERVIDOR



HTTP request



INTERNET  
(TCP/IP)

HTTP response



# Protocolo HTTP

**Request/response**

# Recurso web

**Identificado por una URI**

# Demo

Veamos un pequeño **ejemplo**

Agrega a la URL: **/tu-nombre**