



The logo of the University of Bordeaux features the text "université de BORDEAUX" in a bold, sans-serif font. The word "université" is written in brown, with the "u" and "é" in blue. The word "de" is in brown, and "BORDEAUX" is in large, bold brown letters. The logo is set against a white background with a blue diagonal bar at the top.

université
de BORDEAUX

Bloc 1

Introduction

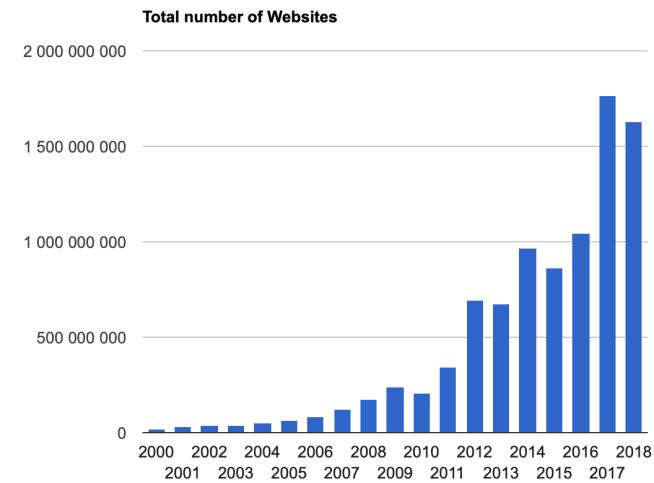
Internet et le Web

→ Système d'information sur Internet

- › Ensemble de machines interconnectées
- › Modèle client-serveur
 - Client : envoie des requêtes à des serveurs pour obtenir du contenu
 - Serveur : répond aux requêtes des clients et fournit du contenu

→ Régi par un consortium : W3C

- › Protocole : HTTP (*HyperText Transfer Protocol*)
- › Langages : HTML, CSS, JavaScript



Premier site Internet (1990)

The screenshot shows a Mac OS X-style window titled "Non sécurisé — info.cern.ch". The main content area displays the "World Wide Web" homepage. The page has a dark background with white text. It starts with a brief introduction about the WorldWideWeb (W3) initiative. Below this, there's a section titled "What's out there?" followed by several links: "Subjects", "W3 servers", "Help", "Software Products", "Technical", "Bibliography", "People", "History", "How can I help?", and "Getting code". Each link is described with a short explanatory sentence.

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.

The screenshot shows a Mac OS X-style window titled "archive.org". The main content area displays the Wayback Machine homepage. The page features a large "Wayback Machine" logo with a search bar below it. A prominent graphic of a classical building with four columns is centered on the page. Below the graphic, a paragraph of text describes the Internet Archive. At the bottom, there's a navigation bar with various icons and a search bar.

Search the history of over 362 billion web pages on the Internet.

Wayback Machine

enter URL or keywords

Internet Archive is a non-profit library of millions of free books, movies, software, music, websites, and more.

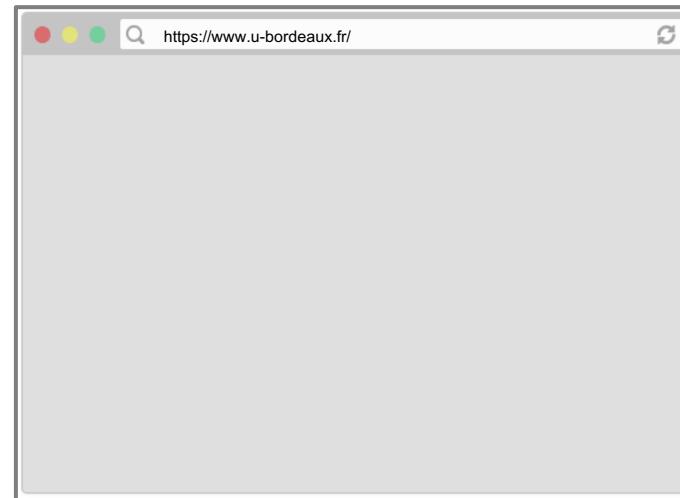
362B 21M 5.2M 5.4M 1.8M 423K 3.3M 203K 449K

Search Advanced Search

Revoir certains sites archivés

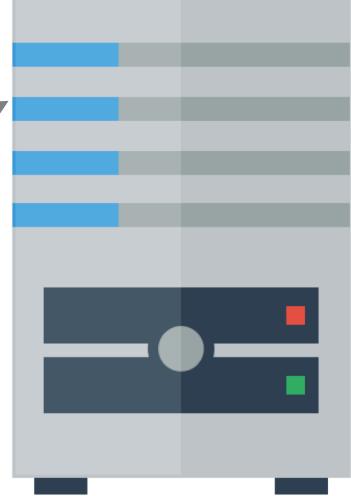
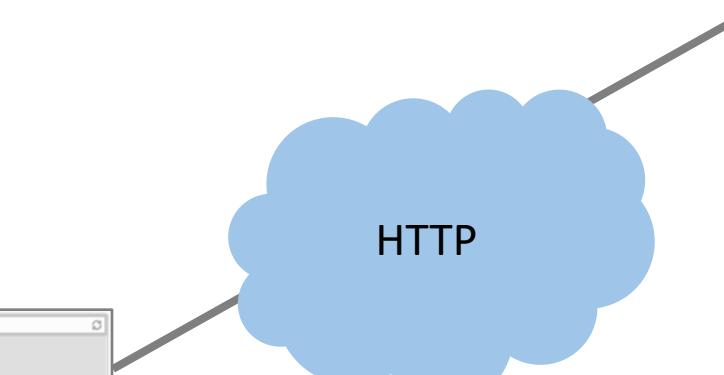
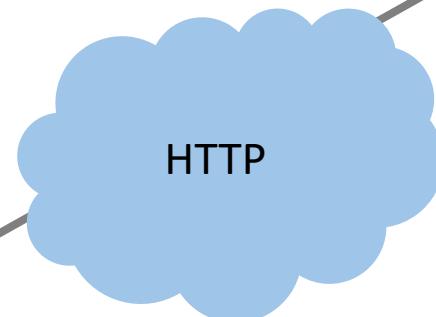
Fonctionnement du Web (1/5)

1. Utilisation d'un logiciel client : **navigateur web**
2. Saisie d'une URL : **https://www.u-bordeaux.fr/**
(Uniform Resource Locator)



Fonctionnement du Web (2/5)

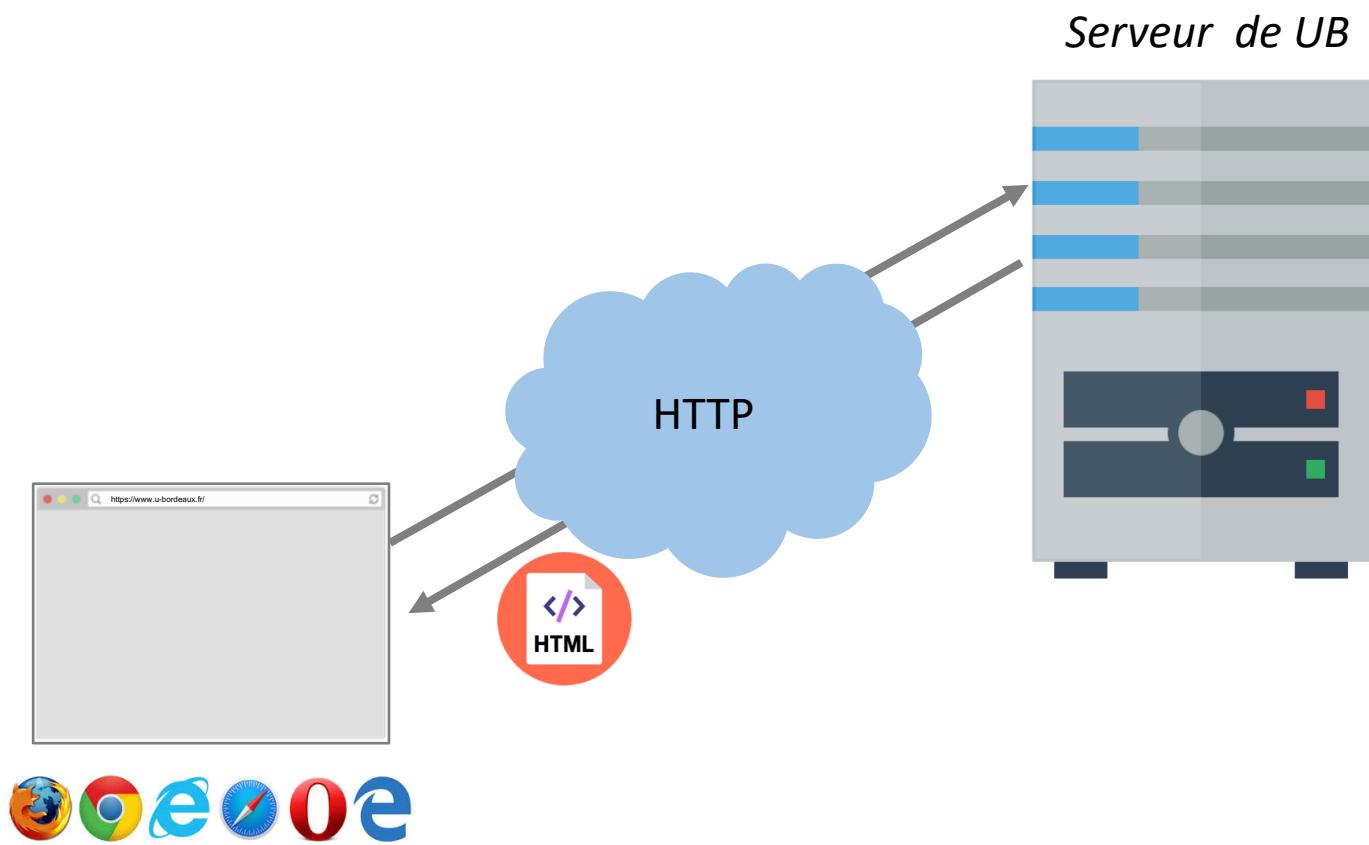
3. Envoie d'une requête avec le protocole HTTP



Serveur de UB

Fonctionnement du Web (3/5)

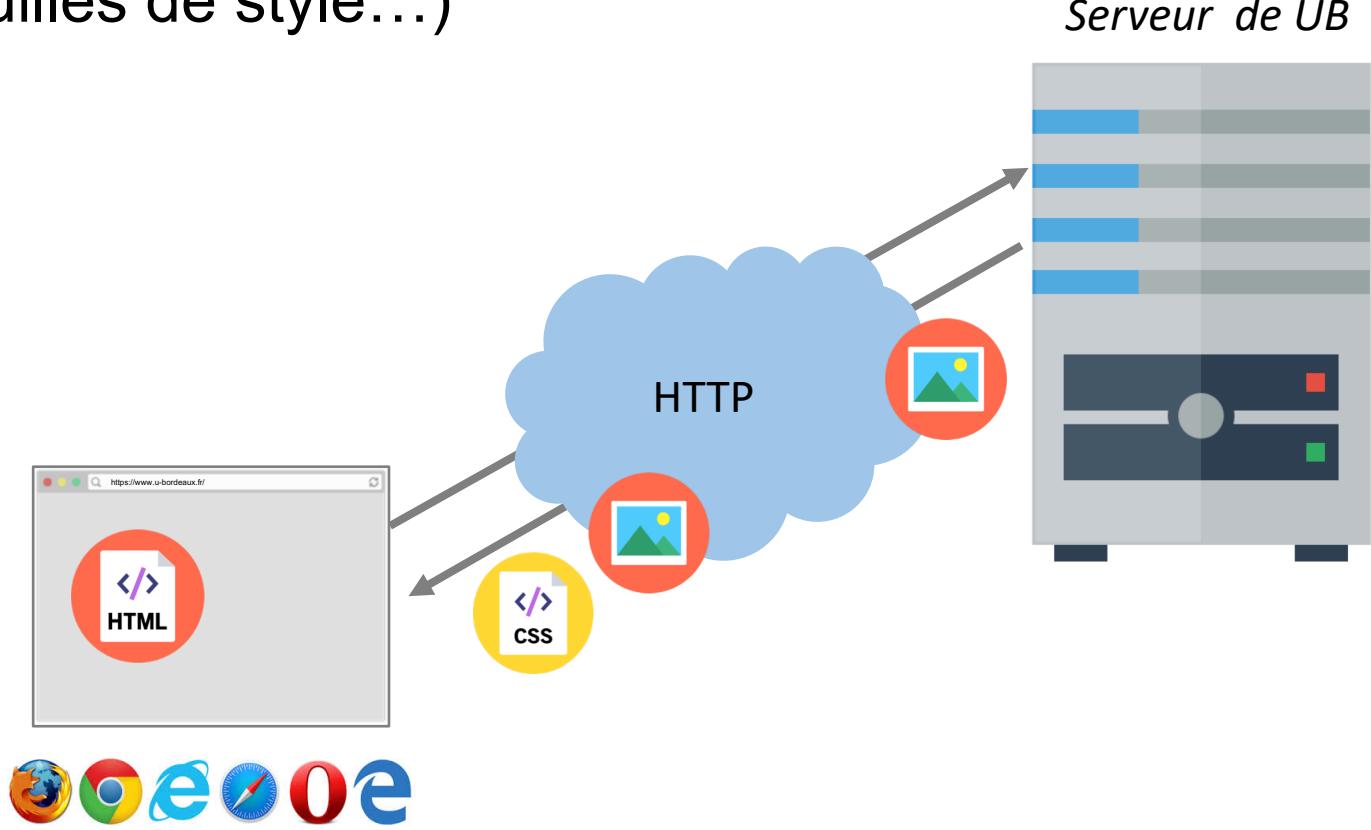
3. Envoie de la réponse HTTP (page HTML)



Fonctionnement du Web (4/5)

4. Analyse du fichier HTML

5. Demande des ressources complémentaires (images, feuilles de style...)



Fonctionnement du Web (5/5)

6. Rendu graphique du contenu



Protocole HTTP

→ Modèle client/serveur

- › Client : navigateur Web (chrome, firefox, safari...)
- › Serveur : serveur Web (apache, nginx, IIS...)
- › Requêtes et réponses en mode texte

→ Requêtes

- › Type d'opération demandée (obtenir des données, envoyer des données, mettre à jour des données...)
- › URL identifiant la ressource sur le serveur Web
 - **GET** Récupérer une ressource (page HTML, image...)
 - **POST** Envoyer des données au serveur (formulaire)

→ Réponses

- › Code de réponse et contenu de la ressource demandée
 - **200** Succès
 - **302** Redirection
 - **404** Ressource introuvable

Inspection en mode développeur

The screenshot shows a web browser window for the Université de Bordeaux website (<https://www.u-bordeaux.fr>). The developer tools Network tab is open, displaying a list of resources loaded by the page. The resources listed include bootstrap.min.js, swiperspec.jquery.js, jquery.inview.js, accueil.js, style.css, 285E36_6_0.woff, 285E36_3_0.woff, list.svg, item.svg, masque.png, PIA_-C-Freepik_UNE_1600x1..., Inscriptions_Masters_1600x1..., Bx_Summer_School_1600x1..., fleche_gauche_32x48px.png, fleche_droite_32x48px.png, plus_gris_78x78px.png, and fleche_gauche_16x25px.png. The page content visible includes the university logo, navigation links, a banner for 'BORDEAUX SUMMER SCHOOLS', and a section about summer schools.

Name	Headers	Preview	Response
bootstrap.min.js			
swiperspec.jquery.js			
jquery.inview.js			
accueil.js			
style.css			
285E36_6_0.woff			
285E36_3_0.woff			
list.svg			
item.svg			
masque.png			
PIA_-C-Freepik_UNE_1600x1...			
Inscriptions_Masters_1600x1...			
Bx_Summer_School_1600x1...			
fleche_gauche_32x48px.png			
fleche_droite_32x48px.png			
plus_gris_78x78px.png			
fleche_gauche_16x25px.png			