

HTML5 avancé

Introduction

- De nouvelles balises
 - Des éléments de structure
 - Une meilleure sémantique
 - Formulaires plus intelligent
- Des APIs javascript
 - Drag'n'drop
 - Géolocalisation
 - Stockage client
 - Navigation hors-ligne
 - Canvas
 - Contenu audio et video
- Du CSS3
 - Animations, ombres, arrondis, transitions, ...

Mais aussi ...

- Les APIs « avancées »
 - XMLHttpRequest 2
 - Communication
 - *Web messaging*
 - *Websockets*
 - *Server sent events*
 - *WebRTC*
 - Scripts asynchrones ou les web workers

XMLHttpRequest 2

- Requêtes cross-origin
- Transfert de fichiers
- Monitoring
- Progress events
- ...


Avatar

ava...pg

Name: avatar.jpg
Size: 6182
Type: image/jpeg
Upload

100% Download

100%
[prévisualiser avatar.jpg](#)



Nom

- Envoi de messages entre fenêtres, onglets et de contenu de différentes origines
- Ouverture d'un canal de communication

HTML5 Cross-Domain post message demo

a	b	c
<input type="text" value="a"/> <input type="button" value="Post Message"/>	<input type="text" value="b"/> <input type="button" value="Post Message"/>	<input type="text" value="c"/> <input type="button" value="Post Message"/>
DomainA/A.html <input type="button" value="Cross domain call"/> Received message "a" from domain: http://container.com	DomainB/B.htm <input type="button" value="Cross domain call"/> Received message "b" from domain: http://container.com	DomainC/C.htm <input type="button" value="Cross domain call"/> Received message "c" from domain: http://container.com

<http://www.codeproject.com/Articles/248264/HTML5-WebMessaging-Experiment>

Server sent events

- « push » de données depuis le serveur
 - Basé sur des techniques différentes selon l'implémentation serveur (polling, long polling...)
 - Notifications temps-réel, streaming, twitter wall, news...

The New York Times

Views of Life, Straightforward and Spare
"The Collected Poems of Lucille Clifton, 1965-2010," editor includes previously unpublished works by Clifton, who died in 2010. By DWIGHT GARNER

100, 75, 50 Years Ago
Highlights from the IHT archives.

Multiple-Choice Romney
Nobody cares about flip-flops. What matters is to be quick on your feet, not to walk in a straight line. By ROGER COHEN

Wall St. Moves Higher on Jobless Data
A better-than-expected drop in jobless claims helped buoy markets in early trading. By REUTERS

Yemeni Employee at U.S. Embassy in Sana Is Shot Dead
A senior Yemeni officer working in the United States Embassy in Sana was killed Thursday in an attack that security sources said bore the hallmarks of Al Qaeda. By NASSER ARRABYEE

Female Stars Step Off the Scale
Women in entertainment are obsessing less about their weight and setting their own standards of beauty. By ALESSANDRA STANLEY

on Lance Armstrong case; Shuttle's route a tight squeeze; Libyan guards tell of embassy attack
<http://t.co/CUh4IAPM>

ABC News Big Sales Drop for Personal Computers <http://t.co/8I1MCtTO>

CNN 'They are telling me outright lies,' says the mother of Sean Smith, who died in Libya attack. From @AC360: <http://t.co/eh0hxr0n>

Wall Street Journal In Yemen, a masked gunman assassinated a U.S. Embassy security official in a drive-by shooting.
<http://t.co/NyWtI3oB>

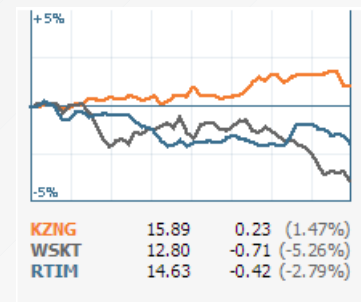
twitter

www.kaazing.me

- Protocole et API de communication temps-réel
 - Applications collaboratives ou type « réseaux sociaux », cours boursiers, ...



<http://mrdoob.com/projects/multiuserpad/>

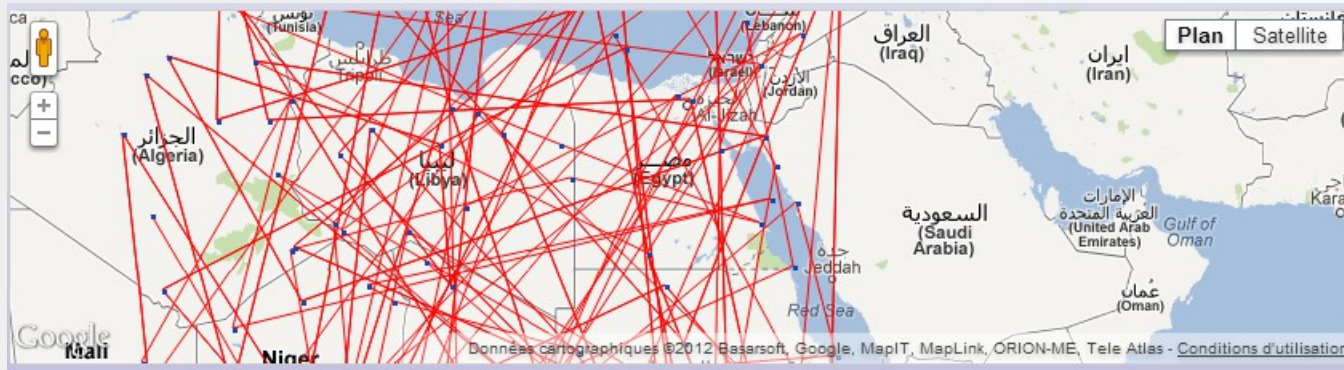


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- API de communication temps-réel, peer to peer
 - Echange de flux audio, vidéo et données entre peers, sans intermédiaire, inter-navigateur



- Exécution de scripts en arrière plan (sans bloquer la page)
 - Calculs complexes, manipulation de contenu multimédia



<http://www.html5rocks.com>

- Lire les spécifications :
 - W3C : <http://www.w3.org/TR/>
- Chercher le support :
 - www.caniuse.com
 - www.html5test.com