

Tristan Nitot
Paul Rouget
Olivier Gambier

Agenda

- The Web is a wonderful accident
- 1.2 billion citizens or 1.2 billion customers?
- Tools shape society, vendors shape tools
- Open Source for Open Standards



Standards?



Phone system

- which has been improved and built-upon over time (fax machines then aDSL, VoIP and mobile)
- No need to know what brand of phone you use, nor the network you subscribed to. Just dial the number!





Another example: e-mail

- You can use Windows, Mac OS X, Linux,
 *BSD, Blackberry, Gmail, Yahoo Mail,
 Hotmail...
- ... and send messages to anyone you know who has an account, without taking care of what system he/she uses.



Counter Examples

- Instant Messaging (IM)
 - ICQ, AIM, MSN, Y!M and dozens of other local providers.
 - Rarely interoperable
 - Battle between users and networks for interoperability.
- Office documents, .DOC/OOXML vs ODF



Phone & IM vs Web

- Phone systems are built by industrials
 - Users are just consumers
 - Same for Instant Messaging
- The Web and e-mail were built by the users using Open Standards



In a connected world, standards empower users and enable participation



A few key concepts

- The Web Server has the Web pages you want
- The Network carries data between the two
- Your computer has a Web browser. It's a piece of software that displays Web pages
- Search engine: A Web server that helps you find the pages you want.



The Web and its original standards

- HTML: how to structure a document (just a Web page)
- HTTP: how to send a document over the network
- URL: how to identify a document
 (What name to give to the page)



Additional standards

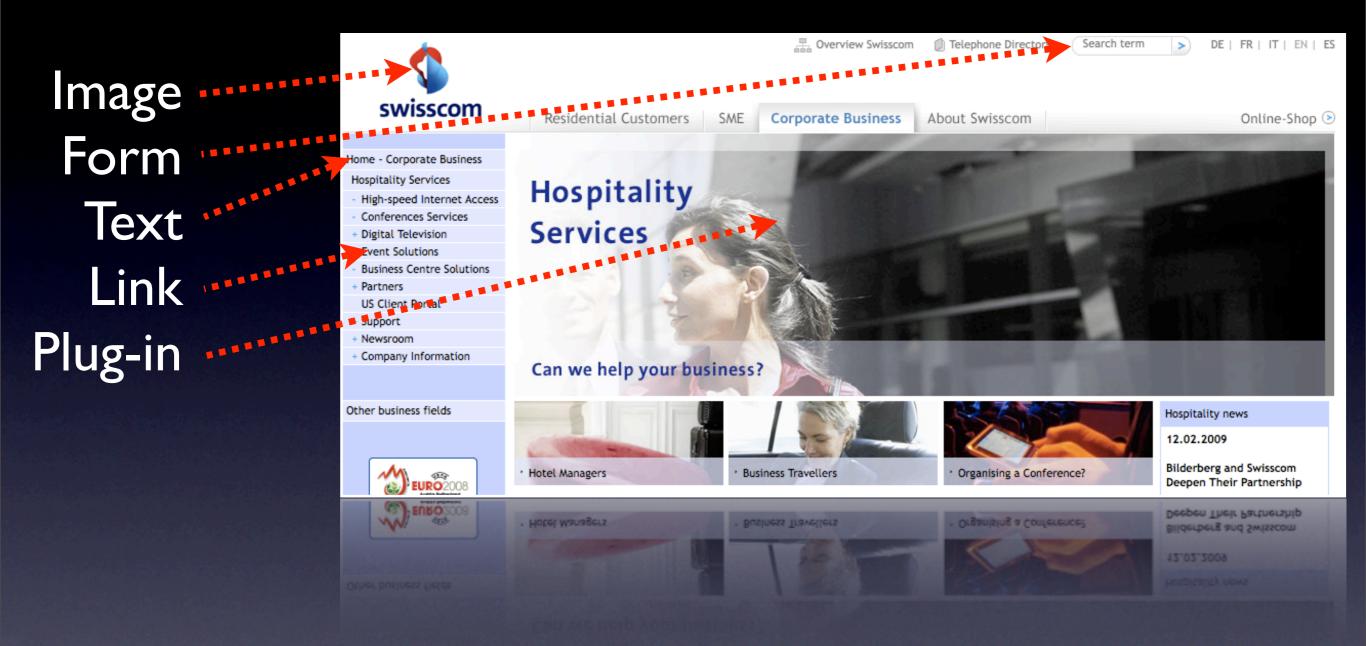
- CSS: how to present a document
- JavaScript: how to embed logic in a document (making the Web page 'smart')
- RSS & Atom: how to list new documents
- Microformats: how to embed machinereadable data inside the document



Things we find in Web pages (1/2)

- Text & Links
- Pictures (sometimes animated)
- Tables (useful for data)
- Forms (to key in data, needed for applications)
- Scripts (putting intelligence into pages)
 - But they're quite slow to execute





Elements of a Web page

Things we find in Web pages (2/2)

- Plug-ins (Java and Flash applets)
 - They are islands of information in the page
 - Plug-ins need to be installed separately
 - They're not Open Standards nor Open Source



Plug-ins have been useful

- Heavy reliance on Plug-ins to mitigate the limitations of the Web
- But a heavy price in terms of freedom to participate and innovation:
 - You can't improve Flash
 - Hard to combine Flash with other elements in the Web page
 - People without Flash can't use your content



Things we can't do with the Web in 2008

- Draw on the screen
 - (we can display images sent by the server, though)
- Display video
 - (We can use a Flash plug-in for it, though)
- Do a lot of computer-intensive computation



Things we can do with the Web in 2009

- Draw on the screen
 - (we can process images locally now)
- Display video
 - (No more need for a Flash plug-in for it)
- Do a lot of computer-intensive computation (Yay, JIT-Tracing!)



The Open Web does more than you think



lt's not just about Mozilla

- Mozilla Firefox 3.x Beta
- Apple Safari 4 Beta
- Google Chrome 1.0/2.0
- Opera 10

Include JIT-Tracing, some SVG,
Native video,
HTML 5's Canvas

• IE 8 Release Candidate



None of the above



Paul's demos

- JIT Tracing + Web Workers Thread: much faster JavaScript
- Native Video in an Open Format
- Canvas: drawing on the screen
- CSS 3 (@font-face): better layout
- SVG Filters: special effects on pages
- All of this can be combined together



Building a hackable World

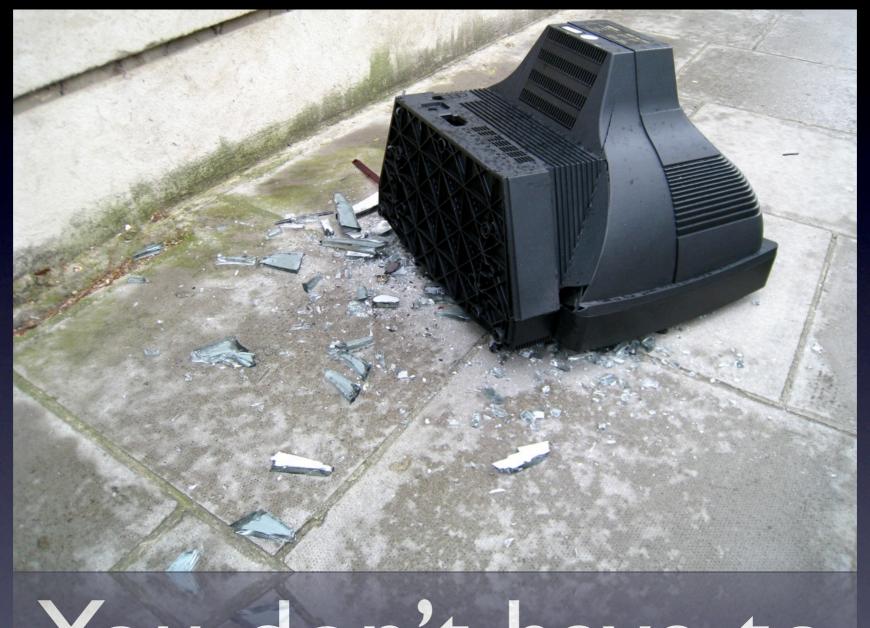


Hackable?



The Web is not TV





You don't have to passively consume



The Net is a platform

- People can build on it
- They don't have to ask for permission
- They should not have to pay to participate
- They should not have to own equipment from a specific brand to participate
- When people participate, wonders happen!



Examples?



Wonders...

- Wikipedia http://nl.wikipedia.org/
- Kutiman's remix http://thru-you.com/
- Open Source in general



Hacking your page

- Changing the look: http://userstyles.org/stylish/
- Changing the content: GreaseMonkey scripts
- Changing the interaction: Ubiquity
- Changing the browser: Add-ons



Olivier's demo



It's up to each of us to make this participative and innovative world happen



Thank you!

nitot@mozilla-europe.org



Example: TidyBug

- cleans up the show-bug page on bugzilla.mozilla.org.
- hides empty fields, making it easier to see the fields that are populated and reducing the amount of scrolling needed to see the comments.
- http://www.squarefree.com/2009/02/26/ tidybug/



000	○ ○ Bug 480443 – URLbar should only show address tooltip when overflowing					
Approximation (a) https://bugzilla.mozilla.org/show_bug.cgi?id=480443			☆▼ • 8 • Google	Q		
🐞 Bug 480443 - URLbar should o 🛇	鎽 Bug 480443 - URLbar should o 😵 🔯			- 1		
			6	mozilla		
Bugzilla@Mozilla – Bug 480443	URLbar should only show address to	oltip when overflowing	Last modified: 2009-02-26 16	:28:26 PST		
Home New Search	Find Reports My Requests My Vo	otes Preferences Admir	nistration <u>Help</u> <u>Log out</u> jruderman@gr	mail.com		
Bug List: (This bug is not in your last	search results) Show last search result	S				
Bug 480443 - URLbar shou	ld only show address tooltip	when overflowing	g (<u>edit</u>) <u>Las</u>	st Comment		
Status: NEW (edit)		Reported:	2009-02-26 16:16 PST by Geoff La	nkow		
Whiteboard: [polish-easy]	polish-interactive]	Modified:	2009-02-26 16:28 PST (<u>History</u>)			
Keywords:		CC List:	■ Add me to CC list 2 users (edit)			
Product: Firefox			sdwilsh@forerunnerdesigns.com			
Component: Location Bar and	d Autocomplete		tyler@christianlink.us			
Version: Trunk						
Platform: All	All					
Importance: i minor	(vote)	Flores				
Target Milestone: • Flags:						
Assigned To: Nobody; OK to		blocking-fire				
QA Contact: location.bar@f	irefox.bugs (edit)	wanted-fire				
<u>U</u> RL:		blocking1.9 blocking1.9				
		wanted1.9.				
Depends on:		blocking1.8				
Blocks:		wanted1.8.1.x				
Show depende	ency tree / graph	blocking1.8	.0.next			
Commit wanted1.8.0.x						
	in-litmus					
		in-testsuite				
	rs in all of the selected groups can vi	iew this bug:				
(Unchecking all boxes makes this a more public bug.) Confidential Mozilla Corporation Bug						
Confidential Mozilla Project Bug (use another group if possible)						
	ity-Sensitive Core Bug					
Attachments						
patch (2.84 KB, patch)	sdwilsh: review? (dietrich)	Details Diff				
2009-02-26 16:19 PST, Geoff Lankow						
Add an attachment (proposed patch, testcase, etc.) View All						
Collapse All Comments - Expand All Comments						
Description From Geoff Lankow 2009-02-26 16:16:26 PST (-) [reply] Private						
User-Agent: Mozilla/5.0 (Windows; U; Windows NT 6.0; en-US; rv:1.9.1b2)						
Gecko/20081201 Firefox/3.1b2 Build Identifier: Mozilla/5.0 (Windows; U; Windows NT 6.0; en-US; rv:1.9.1b2)						
Done	, , ,		bugzilla.mozi	illa.org 角 🍎		

000	Bug 480443 - URLbar should only show	v address tooltip when o	verflowing	0		
(4) P) C X A W htt	♦ Normal American Am		Q Q			
🎉 Bug 480443 - URLbar should o 😵	Bug 480443 - URLbar should o 🚷 🔯			w.		
				mozilla		
Bug 480443 - URLbar should	only chow address tooltin	when everflowing	T (odit) la	st Comment		
Bug 480445 - OKEDAI SIIOUIU	only snow address tooltip	when overnowing	(<u>earc</u>)	<u>se commene</u>		
Show more Show flags ? Make bug	secret Commit	Reported	2009-02-26 16:16 PST by Geoff L	.ankow		
Status: NEW (edit)	_		2009-02-26 16:28 PST (<u>History</u>)			
Product: Firefox		CC List	Add me to CC list 2 users (edit)			
	Component: Location Bar and Autocomplete		sdwilsh@forerunnerdesigns.com			
Whiteboard: [polish-easy][polish-interact	ttivej 1		tyler@christianlink.us			
Attachments						
patch (2.84 KB, patch)	sdwilsh: review? (dietrich)	Details Diff				
2009-02-26 16:19 PST, Geoff Lankow	teres etc.)	Many CH				
Add an attachment (proposed patch, tes	tcase, etc.)	View All				
<u>Description</u> From <u>Geoff Lankow</u> 2009-02-						
User-Agent: Mozilla/5.0 (Wine Gecko/20081201 Firefox/3.1b2	dows; U; Windows NT 6.0; en-US;	rv:1.9.1b2)				
Gecko/20081201 Firefox/3.1b2 (Windows; U; Windows NT 6.0; en-US; rv:1.9.1b2)						
The tooltip for the location bar is	s displayed even when the locat:	ion is clearly				
this is the way Firefox used to behave.						
Reproducible: Always						
Steps to Reproduce: 1. Visit a website with a short address						
Actual Results:						
Tooltip shows, with the same text	as shown in the location par					
Expected Results: Tooltip doesn't show, unless address is too long to be displayed						
Comment #1 From Geoff Lanko		Y Private				
Created an attachment (id=364418) patch	[details]					
This is my first ever patch! Please	e be gentle. :)					
	· 					
Additional Comments: Private						
Status: NEW Mark as Duplicate		Commit				
mark as publicate						

Before





To be fair...

Flash is mature technology and widely distributed



