

# the web is mobile

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- WorldWideWeb
- Links
  - Info ▶ Mark all A
  - Navigate ▶ Mark selection M
  - Document ▶ Link to marked L
  - Find ▶ Link to New N
  - Edit ▶ Unlink Z
  - Links ▶ Link to file...
  - Style ▶ Help
- Print... p
- Page layout...
- Windows ▶
- Services ▶
- Hide h
- Quit q

Tim's Home Page

[My home page](#)

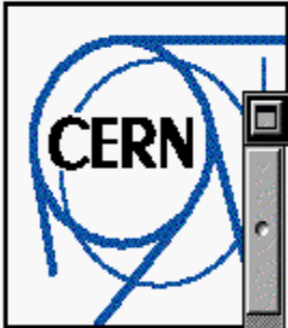
altas

The World-Wide Web Virtual Library: Subject Catalogue

 **The WWW Virtual Library**

High-Energy Physics Information

CERN Welcome



European Laboratory for Particle Physics

Geneva, Switzerland

**About the Laboratory:**

- [on CERN info](#)
- [General information, divisions, groups and activities](#), [scientific committee](#)

Separate list.

Separate list.

[Anthropology](#)

[Archaeology](#)

[Asian Studies](#)

[Astronomy and](#)

[Bio Sciences](#)

CERN Experiments

**Experiments**

[WWW Support for Experiments](#)




[ALEPH](#) LEP experiment

[ALICE](#) A Large Ion Collider Experiment at the LHC

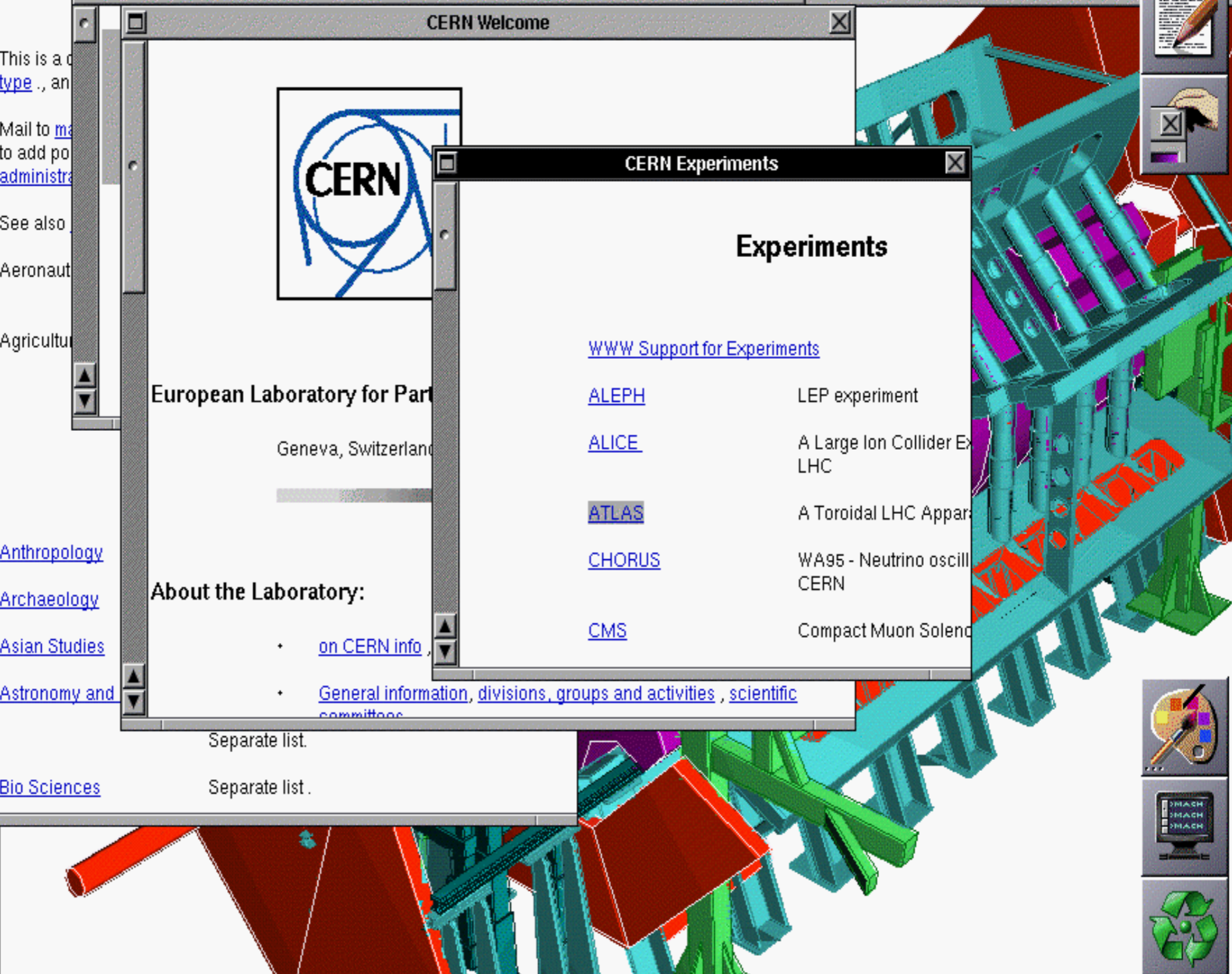
[ATLAS](#) A Toroidal LHC Apparatus

[CHORUS](#) WA95 - Neutrino oscillation experiment at CERN

[CMS](#) Compact Muon Solenoid

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Atlas

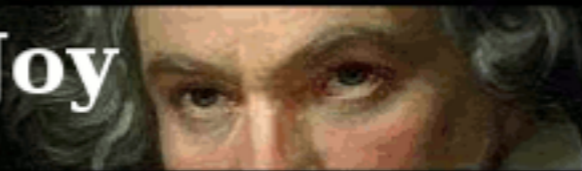


# dot-com boom

- program logic on the server
- dumb browsers on powerful machines
- good luck with mobile

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# Lyrics of Beethoven's Ode to Joy



## Navigation

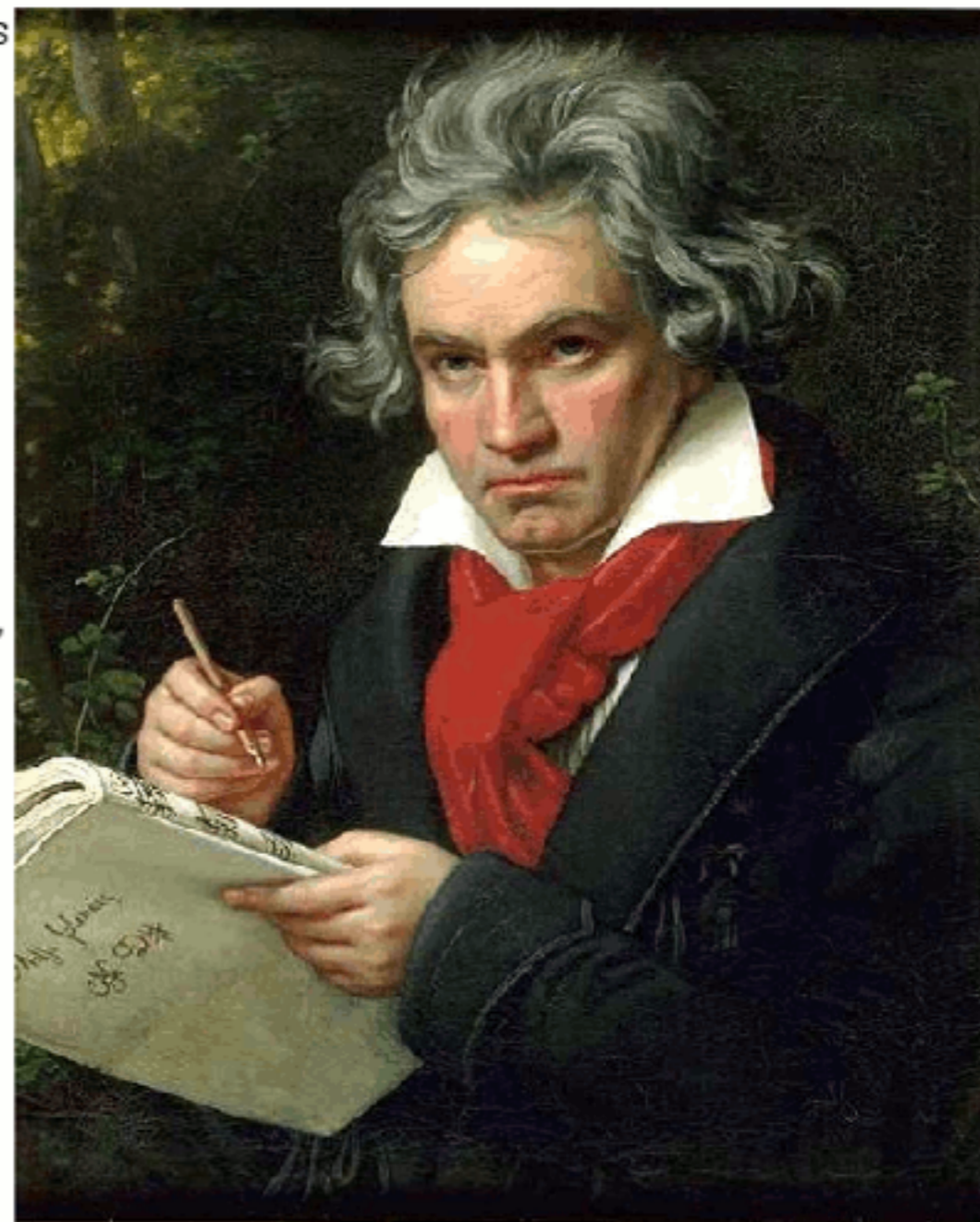
- [Lyric Repository's Home](#)
- [Other lyrics from this artist:](#)
  - [lyrics of Fidelio](#)
- [Other lyrics from this period](#)
- [More information on this artist](#)
- [Contact Us](#)
- [Copyright and licenses](#)
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Beethoven's last symphony includes part of the *Ode to Joy* poem's written by Friedrich Schiller.

Freude, schöner Götterfunken  
Tochter aus Elysium,  
Wir betreten feuertrunken,  
Himmlische, dein Heiligtum!  
Deine Zauber binden wieder  
Was die Mode streng geteilt;  
Alle Menschen werden Brüder,  
Wo dein sanfter Flügel weilt.

Wem der große Wurf gelungen,  
Eines Freundes Freund zu  
sein;  
Wer ein holdes Weib errungen,  
Mische seinen Jubel ein!  
Ja, wer auch nur eine Seele  
Sein nennt auf dem  
Erdenrund!  
Und wer's nie gekonnt, der  
stehle  
Weinend sich aus diesem  
Bund!

Freude trinken alle Wesen  
An den Brüsten der Natur;  
Alle Guten, alle Bösen  
Folgen ihrer Rosenspur.  
Küsse gab sie uns und Reben,  
Einen Freund, geprüft im Tod:



Lyrics of Beethov...

Lyri  
cs  
of  
Bee  
thov  
en's



Options



# Web 2.0

- program logic moves to the client (AJAX)
- smart browsers on powerful machines
- good luck with mobile

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but...

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# Mobile Web Best Practices 1.0

## Basic Guidelines

W3C Recommendation 29 July 2008

**This version:**

<http://www.w3.org/TR/2008/REC-mobile-bp-20080729/>

**Latest version:**

<http://www.w3.org/TR/mobile-bp/>

**Previous version:**

<http://www.w3.org/TR/2006/PR-mobile-bp-20061102/>

**Editors:**

Jo Rabin, mTLD Mobile Top Level Domain (dotMobi)  
Charles McCathieNevile, Opera Software [Early Drafts]

Please refer to the [errata](#) for this document, which may include some normative corrections.

See also [translations](#).

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## Abstract

This document specifies Best Practices for delivering Web content to mobile devices. The principal objective is to improve the user experience of the Web when accessed from such devices.

The recommendations refer to delivered content and not to the processes by which it is created, nor to the devices or user agents to which it is delivered.

It is primarily directed at creators, maintainers and operators of Web sites. Readers of this document are expected to be familiar with the creation of Web sites, and to have a general familiarity with the technologies involved, such as Web servers and HTTP. Readers are not expected to have a background in mobile-specific technologies.



# Mobile Web Application Best Practices

W3C Candidate Recommendation 11 February 2010

**This version:**

<http://www.w3.org/TR/2010/CR-mwabp-20100211/>

**Latest version:**

<http://www.w3.org/TR/mwabp/>

**Previous version:**

<http://www.w3.org/TR/2009/WD-mwabp-20091006/>

**Editors:**

Adam Connors, Google  
Bryan Sullivan, AT&T (until 2008)

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## Abstract

The goal of this document is to aid the development of rich and dynamic mobile Web applications. It collects the most relevant engineering practices, promoting those that enable a better user experience and warning against those that are considered harmful.

## Status of This Document

*This section describes the status of this document at the time of its publication. Other documents may supersede this document. A list of current W3C publications and the latest revision of this technical report can be found in the [W3C technical reports index](#) at <http://www.w3.org/TR/>.*

This is a W3C Candidate Recommendation of Mobile Web Application Best Practices, expected to become a W3C Recommendation. The W3C Membership and other interested parties are invited to review the document and send comments to [public-bpwg-comments@w3.org](mailto:public-bpwg-comments@w3.org) (with [public archive](#)). Specific instructions to send implementation feedback on the document is available in the [implementation feedback template](#).

This document was developed by the [Mobile Web Best Practices Working Group](#) as part of the [Mobile Web Initiative](#). A complete [list of changes](#) since publication as a



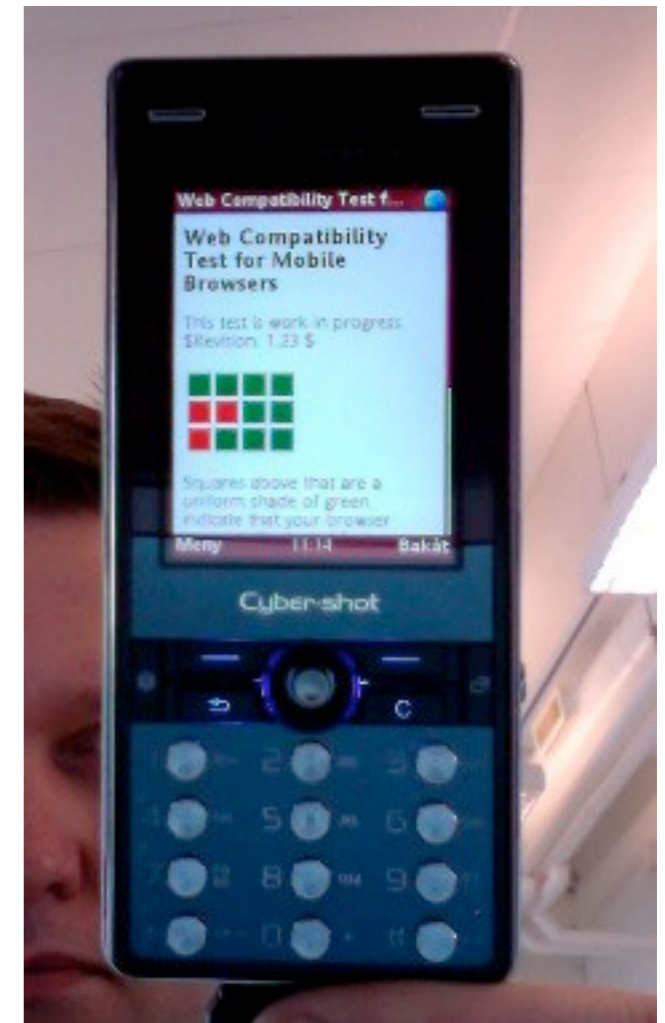
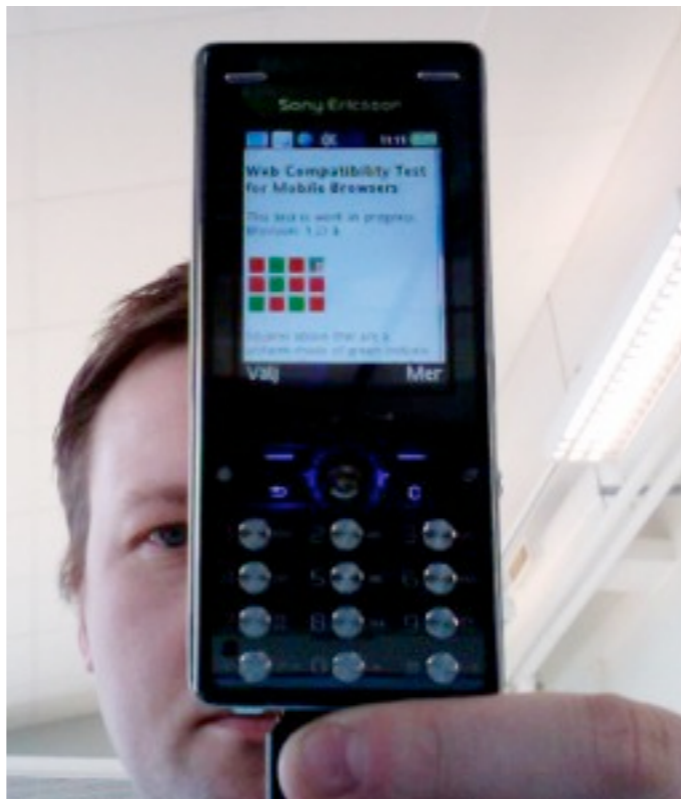
**mobileOK®**

## Web Compatibility Test for Mobile Browsers

This test is work in progress.  
\$Revision: 1.23 \$



Squares above that are a uniform



# today

- mobile phones ship with a smart browser
- application logic on the client
- works across manufacturers

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# mobile apps

- past: develop separate app for each platform
- now: one webapp runs on all of them

“there’s a  
webapp for  
that?”

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not quite  
there yet

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# content adaptation?

- the network tries to adapt documents
- applications break
- security breaks



# Guidelines for Web Content Transformation Proxies 1.0

W3C Working Draft 11 February 2010

**This version:**

<http://www.w3.org/TR/2010/WD-ct-guidelines-20100211/>

**Latest version:**

<http://www.w3.org/TR/ct-guidelines/>

**Previous version:**

<http://www.w3.org/TR/2009/WD-ct-guidelines-20091006/>

**Editor:**

Jo Rabin, Invited Expert (and before at mTLD Top Level Domain, dotMobi)

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## Abstract

This document provides guidance to Content Transformation proxies as to whether and how to transform Web content.

Content Transformation proxies alter requests sent by user agents to servers and responses returned by servers so that the appearance, structure or control flow of Web applications are modified. Content Transformation proxies are mostly used to convert Web sites designed for desktop computers to a form suitable for mobile devices.

Based on current practice and standards, this document specifies mechanisms with which Content Transformation proxies should make their presence known to other parties, present the outcome of alterations performed on HTTP traffic, and react to indications set by clients or servers to constrain these alterations.

The objective is to reduce undesirable effects on Web applications, especially mobile-ready ones, and to limit the diversity in the modes of operation of Content Transformation proxies, while at the same time allowing proxies to alter content that would otherwise not display successfully on mobile devices.

Important considerations regarding the impact on security are highlighted.

## Status of this Document

*This section describes the status of this document at the time of its publication. Other documents may supersede this document. A list of current W3C publications and the latest revision of this technical report can be found in the [W3C technical reports index](http://www.w3.org/TR/) at <http://www.w3.org/TR/>.*

# packaging: widgets

- Webapp in a zip archive
  - HTML, CSS, JavaScript...
- download, install, run offline
- across platforms

gps<sub>v</sub>

camera

microphone

sensors

...

W3C

# device APIs for JavaScript

W3C

mobile drives  
Web

W3C



maps.google.com wants to know your location. [Learn More...](#)

Share Location

Don't Share

Remember for this site

[Web](#) [Images](#) [Videos](#) [Maps](#) [News](#) [Shopping](#) [Gmail](#) [more](#)

[New!](#) | [Help](#) | [Sign in](#)

# Google maps

Search Maps


[Show search options](#)

Find businesses, addresses and places of interest.

[Print](#) [Send](#) [Link](#)






 maps.google.com wants to know your location. [Learn More...](#)

Share Location

Don't Share

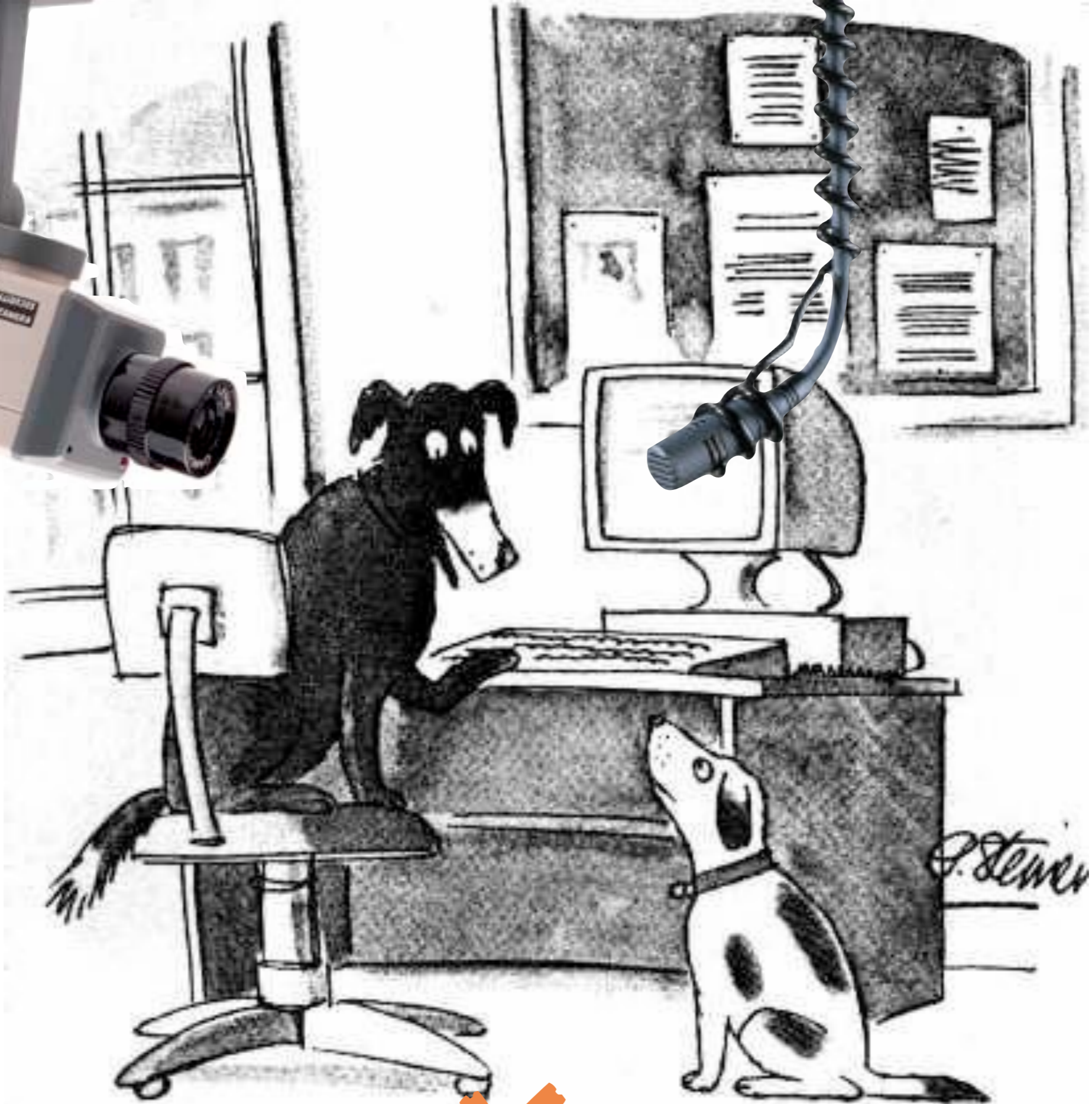
Remember for this site 



*"On the Internet, nobody knows you're a dog."*



*"On the Internet, nobody knows you're a dog."*



"On the Internet, no ~~body~~ knows you're a dog."



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@roessler

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# a few links

- Device API Working Group  
<http://w3.org/2009/dap/>
- W3C Mobile Web Initiative  
<http://w3.org/Mobile>
- to play: Opera, BONDI SDK  
<http://widgets.opera.com/>  
<http://bondi.omtp.org/usebondi/Webpages/devtools.aspx>

