

# Open the Web

## Making the Web open for everyone

by David Storey



# Bio

- Chief Web Opener at Opera Software
- Product Manager Opera Presto & Opera Dragonfly
- W3C Mobile Web Best Practices WG Member
- Author, CSS3.info

# Value of Open Standards



**“Anyone who slaps a ‘this page is best viewed with Browser X’ label on a Web page appears to be yearning for the **bad old days**, before the Web, when you had very little chance of reading a document written on another computer, another word processor, or another network.”**

**– Sir Tim Berners-Lee**

# oops. . .



**Sorry, but this browser does not support web presentations.**

We recommend you try Google Docs on:

- [Safari](#): 3.0 or higher
- [Mozilla Firefox](#): 1.5.0.12 or higher
- [Camino](#): 1.0 or higher

All of these are **FREE** and easy to download and use.

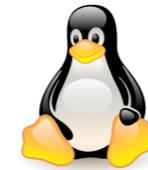
*Note that Beta versions of some browsers may not be supported.*

# Cross everything

## Browser



## Platform



symbian



## Device





Write once, deliver  
*everywhere*

Build to standards,  
*adapt* for legacy browsers

“*The power of the Web is in its **universality**. Access by everyone regardless of disability is an essential aspect.*”

– Sir Tim Berners-Lee

# Accessibility

- Not *just* for disabled people
- Older people often need to increase text size
- Think of it as investing in *your* future

Reduce costs,  
bandwidth,  
time to market  
& maintenance

Open the Web



[dev.opera.com](http://dev.opera.com) [labs.opera.com](http://labs.opera.com) [www.opera.com](http://www.opera.com)



# All sites *must* work

We work with Web Developers and site owners to *ensure* sites work in Opera and other *standards-aware* browsers.

# Methods

- Contact sites when issue occurs
- Help developers when they have an issue
- Evangelism and outreach
- Developer education

# Opera Web Standards Curriculum

HTML **CSS** DOM **JavaScript** **Accessibility**

# How you can help

- Develop to standards, not IE
- Report issues you find
- Spread the word

# Why do sites **break**?



# case study: Korea

Almost *every* site in  
South Korea  
*only* works in  
Internet Explorer

# Why?

- US government ban on encryption export
- Created ActiveX based solution
- Result: IE monopoly
- Sites fall foul of IE bugs and don't follow standards
- Many sites broke when Vista was released



# Case study: India

Many government &  
religious sites show  
garbled text in  
non-IE browsers

# Why?

- Popular platforms were not Unicode aware
- Unable to show text in Indian scripts
- Used EOT embedded fonts
- EOT only works in IE and Windows
- Unicode support now common, but sites are not updated

# Success



# Innovation

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# CSS 3

- Backgrounds and Borders
- Selectors
- Web Fonts
- Opacity
- Media Queries

# HTML 5

- Canvas
- Web Forms 2
- Offline storage
- Video and Audio

# SVG

A open vector graphics  
format, which can fully  
*interact* with other  
standards

# Geolocation API...

defines an API that provides scripted access to geographical location information associated with the hosting device

# Thanks!

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