

Control By Users: A Paradigm for the Social Web

Todd Davies

Symsys 280
Stanford University

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A bit of history



Two paradigms for software

Proprietary software

- Copyright, patents
- Copy protection
- EULAs



“Free software”

- Open source
- “Copyleft”
- Free modification by users with no warranty



And today...



The Open Source Definition



1. Free distribution
2. Source code
3. Derived Works
4. Integrity of The Author's Source Code
5. No Discrimination Against Persons or Groups
6. No Discrimination Against Fields of Endeavor
7. Distribution of License
8. License Must Not Be Specific to a Product
9. License Must Not Restrict Other Software
10. License Must Be Technology-Neutral

- <http://opensource.org/docs/osd>

A proposed paradigm

“Control By Users”

Defining “Control by Users”

1. Privacy control

- Data use transparency
- “Do not track” server compliance
- Usable privacy

Defining “Control by Users”

2. Data portability

- Open data access
- Open standards
- Independent relative addressing

Defining “Control by Users”

3. Creative control

- Originator access control
- Editability by creator
- Deletion by creator

Defining “Control by Users”

4. Free software (networked)

- “Open source”
- Copyleft licensing
- Affero clause to plug the Internet loophole in the GPL

Defining “Control by Users”

5. Participatory design

- User-driven
- User participation in design
- Customizability

Defining “Control by Users”

1. Privacy control
2. Data portability
3. Creative control
4. Free software (networked)
5. Participatory design

An example: *Deme* (<http://deme.stanford.edu>)

The screenshot displays the Deme web application interface. At the top left is the 'deme' logo. The top navigation bar includes a 'New item' dropdown, a search box, and a 'Logged in as Admin' dropdown. Below the logo is a navigation menu with links for 'Home', 'Items', 'Codegraph', and 'Docs'. The main content area features a breadcrumb trail: 'Items » Django template documents » Deme Project Home Site'. The page title is 'Deme Project Home Site'. The main text area contains a welcome message and four paragraphs of text, each with a link to external resources. On the right side, there is an 'Item Details' sidebar with fields for Item Name, Item type, Status, Created, Creator, Updated, and Updater. Below the details are expandable sections for '1 comment', '9 action notices', '7 versions', '2 related items', and 'Permissions'. At the bottom, there is a footer with copyright information and links for 'Source Code', 'Authors', 'Admin', 'Recent Changes', 'Desktop browser', 'Mobile', and 'RSS'.

deme

New item Search Logged in as Admin

Items » Django template documents » Deme Project Home Site

Deme Project Home Site

Welcome to Deme!

Visit our GitHub page for the latest source code: <http://github.com/mikemintz/deme>.

This site is running a working copy of Deme [commit edd1053f16276b730745](https://commit.edd1053f16276b730745) from 2010-12-04.

View the slides from our presentation at Silicon Valley Code Camp 2008 at <http://www.stanford.edu/~davies/tdavies-presentations.html> (scroll down).

Read our paper on Deme's architecture for IWWOST 2009 at <http://www.stanford.edu/~davies/IWWOST09-Davies-Mintz-websiteversion.pdf>

Read our paper from CTS 2010 on the Deme permissions system, at <http://www.stanford.edu/~davies/CTS2010-Davies-Mintz-IEEE.pdf>

Item Details

Item Name: Deme Project Home Site

Item type: Django template document

Status: Active

Created: 1 month, 2 weeks ago

Creator: Admin

Updated: 3 days, 9 hours ago

Updater: Admin

1 comment

9 action notices

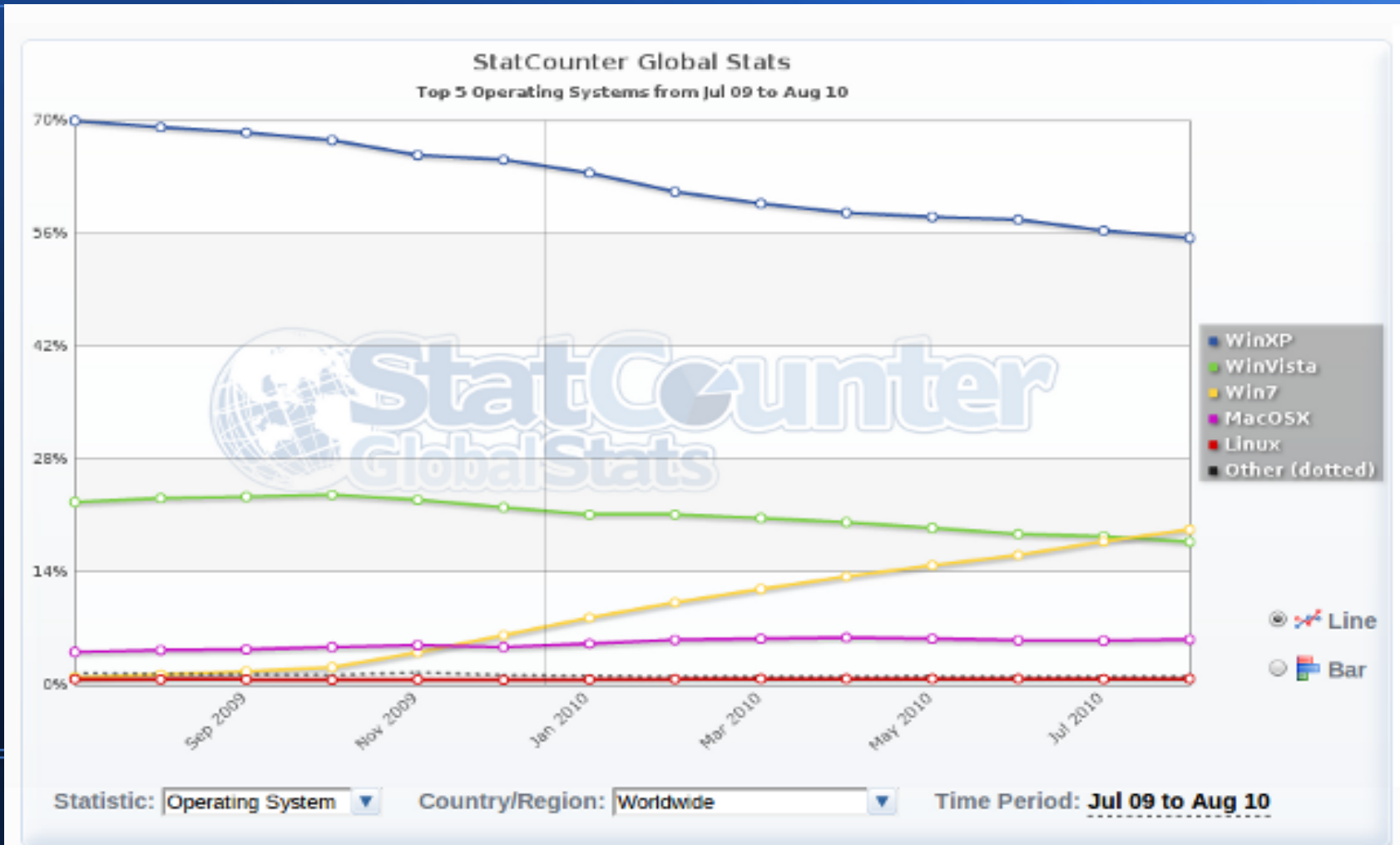
7 versions

2 related items

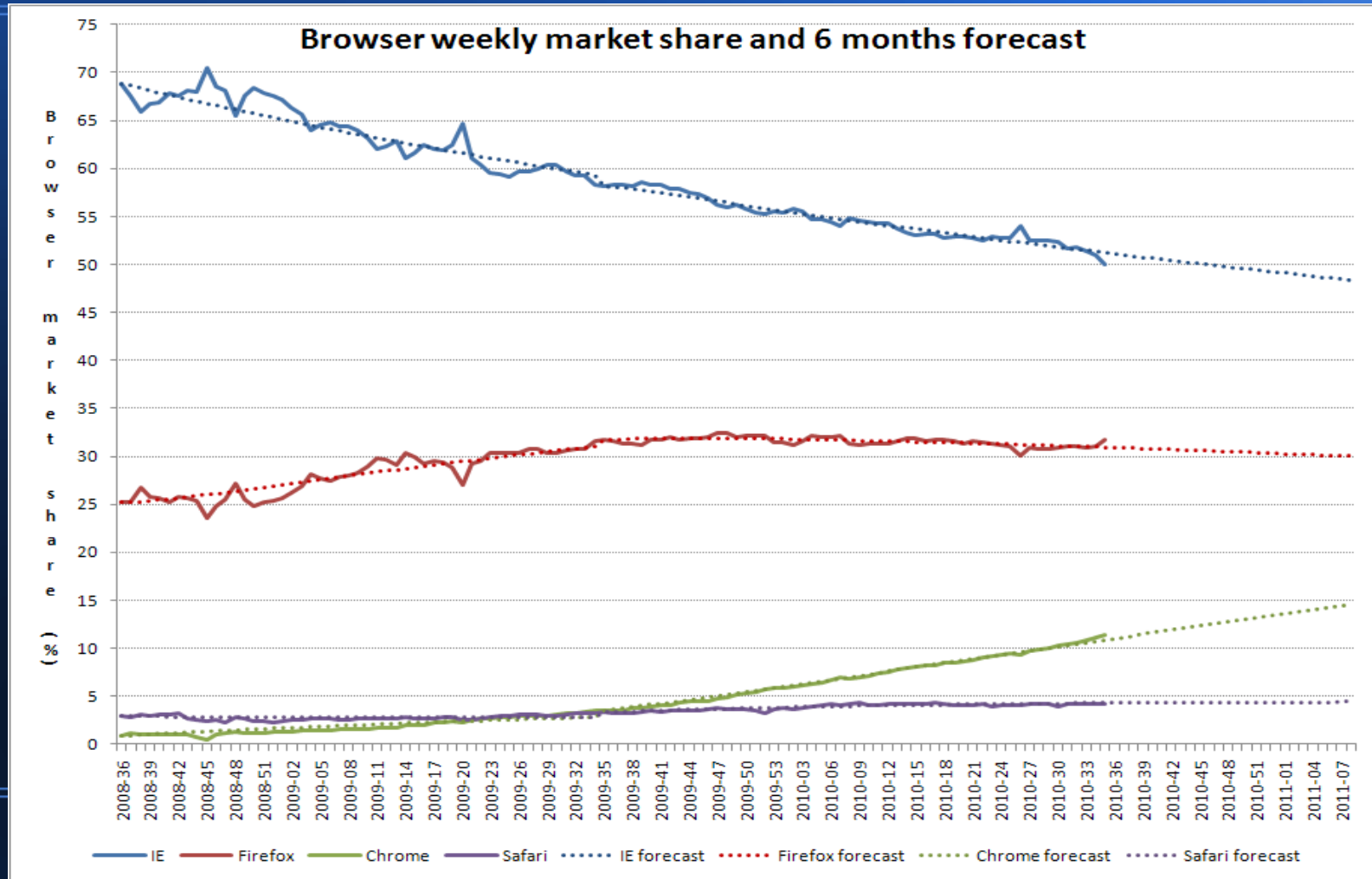
Permissions

Copyright ©2008-2010 to Deme | [Source Code](#) | [Authors](#) | [Admin](#) | [Recent Changes](#)
Desktop browser | [Mobile](#) | [RSS](#)

Desktop OS trends



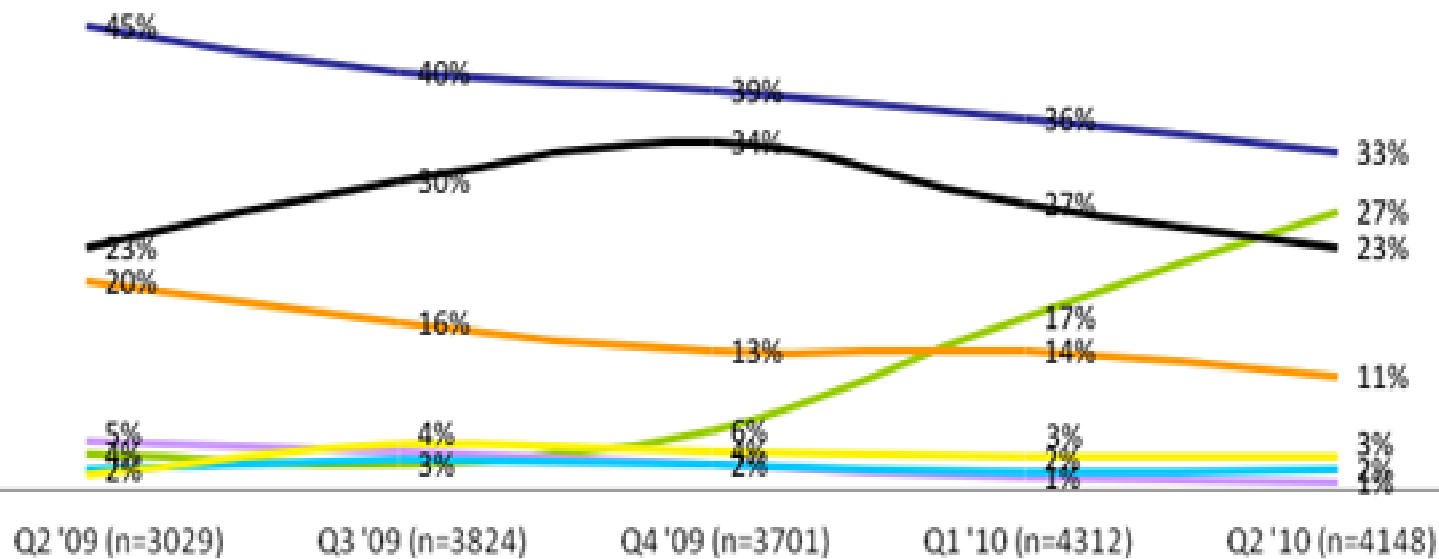
Browser trends



Smartphone OS trends

Operating System Share: 6 Month Recent Acquirers

Smartphone Subscribers, National, US



- Android OS
- Apple iPhone OS
- Symbian OS
- Linux
- RIM BlackBerry OS
- Palm OS
- Microsoft Windows Mobile

Source: The Nielsen Company