



mozilla.org

Mozilla



- Open source
- Web browser
- Mail klient
- Organisation
- Fremtiden...

Henrik Gemal - Mozilla Evangelist - gemal.dk/mozilla



Agenda

- Introduktion
- Live demo
- Hvad er Mozilla?
- Hvad er open source?
- Hvad med Netscape?
- Hvordan laves Mozilla?
- Hvordan styres det hele?
- Hvordan laves det hele?





Hvem er jeg?

- Henrik Gemal
- TDC (TDC Internet)
- Webmail Evangelist
- Mail, Nyhedsgrupper og Foto på TDC Online
- Digitale signaturer
- Brugergænsefladedesign
- Perl, TCL, HTML, JavaScript, etc
- Kvalitetstester på Mozilla's Windows Installer





Indledning

- Hvad er niveauet?
- Hvad er formålet?
- Vi er helt up-to-date
- Bare stil spørgsmål undervejs





Hvad er Mozilla?

- Web browser mm.
- Open source
- En virtuel organisation
- Mozilla vs Mozilla.org
- En masse internet værktøjer
- Hvor kommer navnet fra?
- Udviklet på og af nettet
- “More than just a browser”





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Live demo!

The screenshot shows a Mozilla browser window with the following details:

- Title Bar:** gemal.dk: Gemal's Psyched Blog - Mozilla (Build ID: 2003031108)
- Address Bar:** http://gemal.dk/
- Page Content:**
 - Home - Gemal's Psyched Blog
 - ### Gemal's Psyched Blog
 - Space**
 - Sign up to be represented in a dem. sum.
 - YASSA's Neural Maps Record A Comment & Graduate And A
 - Search
 - Shocked Relief With Flight ... Oke, Zoroan Penkulu, Modis
 - Mlrec
 - Posted by gemal at 08:11, 2003-03-11
 - OS Shootout: Mac OS X vs. Windows XP**
 - Link of today:
 - OS Shootout: Mac OS X vs. Windows XP
 - Final scores:
 - OS X: 10
 - Windows XP: 10
 - The entire article as PDF.
 - Posted by gemal at 08:03 PM
- Right Sidebar:**
 - GEMAL.PK**
 - + Home and Blog
 - + Blog Archive
 - Blog Categories**
 - Star
 - Blogroll**
 - + Pratik's
 - + Psyche
 - + Contact
 - Blog Tools**
 - + Mail to
 - + Travel
 - + Links
 - About**
 - + This Site
 - + Pk
 - + Awards
 - Contact Us**
 - + Feedback
 - + Sitemap
 - Help**
 - + Help
 - Utilities**
 - + Download Site
- Footer:** W3C XHTML 1.0



Historien

- 13 oktober 1994 - Mosaic Netscape 0.9 beta
- 15 december 1994 - Netscape Navigator 1.0
- 23 januar 1998 - Gratis Netscape Communicator samt kildekode
- 31 marts 1998 - Kildekoden frigives
- September 1998 - Mac, Linux og Windows versioner af Mozilla
- Oktober 1998 - Gecko
- Maj 2002 - Mozilla 1.0
- Marts 2003 - Mozilla 1.3





Open Source

- Hvad er open source?
- Linux og Open Office
- Udviklingen med open source
- Styrke Core Business
- Sort periode i Netscape
- Presset af Internet Explorer
- Skuffende Netscape Communicator 4.x
- Netscape holdningen





Internet Explorer

- Findes kun til Microsoft Windows og Mac
- Forskellige på de to platforme
- Kan ikke blokere popups
- Meget usikker (4 huller i 2003)
- Overholder ikke gældende W3 standarder
- Har ikke tabs
- God dokumentation
- Dybt integreret med Windows
- Closed source
- IE: 92% - Gecko: 4% - Netscape 4: 2% - Diverse: 2%





Netscape 4.x

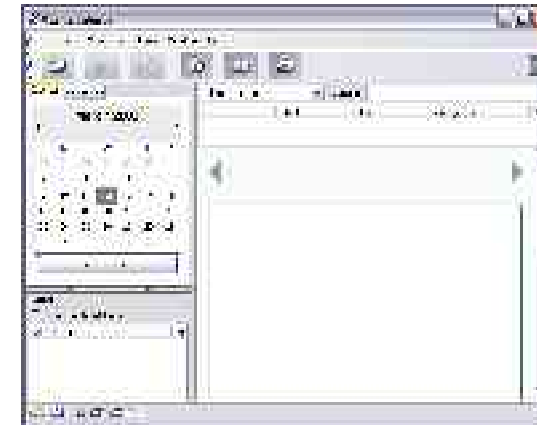
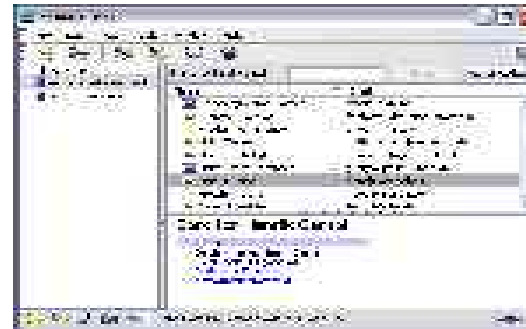
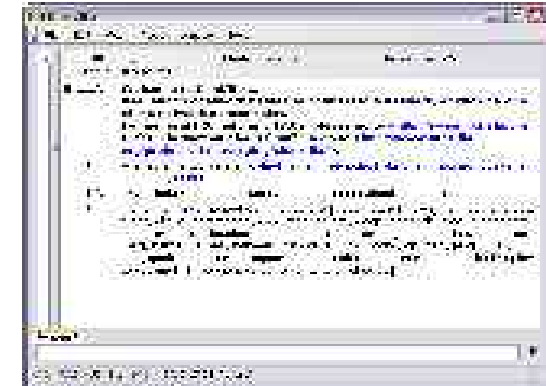
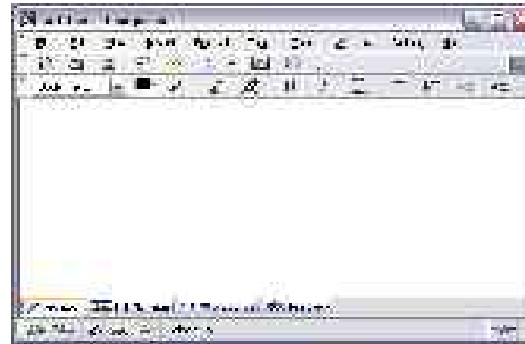
- Gammel kode
- Lag på lag kode
- Forskellig kode til alle platforme
- Svært at holde ved lige
- Langsom
- Ikke stabil
- Egne udvidelser ala Internet Explorer





Mozilla

- Består af:
 - Navigator
 - Mail og Nyhedsgrupper
 - Adressebog
 - IRC Chat
 - Kalender
 - Websideværktøj





Navigator

- Gecko Layout Engine - W3 standarder
- JavaScript
- Plugins - Java, RealOne, Flash, Shockwave, Media Player, QuickTime, PDF, etc
- MathML
- DOM1, DOM2, CSS1, CSS2, XML, RDF, PNG, JPG
- SSL, TLS
- Certifikater, Digitale Signaturer
- Standarder
- Sikkerhed





Navigator

- Popup blokering
- Dynamisk Bookmarks
- Form, Image, Download, Password og Cookie Manager
- SVG
- Tabs og Sidebar
- Text zoom og Type ahead find
- Profiler
- QuickLaunch
- Forskellige sprog





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Slashdot: News for Nerds. Stuff that Matters. - Mozilla

File Edit View Search Go Bookmarks (Add) Help Debug (Off)

bookmarks Home Mozilla.org News Home Firefox Index Search Donate User Directory

http://www.slashdot.org

My Panels: What's Related, Search Report, Index, Bookmarks, Slashdot, Mozilla News

Slashdot
News for Nerds. Stuff that matters.

Darwin on Crusoe?
Posted by [CandyTaco](#) on Thursday February 03, @11:24AM from the [stuff-to-read dept.](#)
MacOS Rumors is running a blurb that Apple is exploring porting Darwin to other processors (including [Transmeta's Crusoe](#) processor) due to frustration with availability of high speed Motorola G4 processors. An interesting though, a Mac without a Motorola chip... Of course, it's just a rumor at this point.
([Read More...](#) | [15](#) of [15](#) comments)

IBM releases JFS to GPL
Posted by [Hemos](#) on Thursday February 03, @10:39AM from the [letting-it-be-free dept.](#)
FreeAngel writes: "[IBM](#) has released its JFS source code for Linux to the GPL. You can read more at the [IBM website](#)." JFS is their Journaled File System - you can grab the [latest](#) tarball from their [Web site](#).
([Read More...](#) | [56](#) of [81](#) comments)

Live from LinuxWorld until 4 p.m.
Posted by [RobLuna](#) on Thursday February 03, @10:12AM from the [if-the-protocol-holds-then-let-it-be-called-then-let-it-be-called](#) dept.
([Read More...](#) | [6](#) of [6](#) comments)

Features
[Voting has begun](#) for the [Slashdot Dinosaur Award](#). Talk amongst yourselves and choose who deserves the cash.
The latest installment of [Geek in the Street](#) is up at [The Spot](#). Listen to [CandyTaco](#), [Hemos](#), and [Hain](#) talk about the latest events to happen - or not happen in the computer world.
Perhaps you are seeking for Kate's recent articles related to recent events in Colorado. These articles include [Voices from the Hellmouth](#), [More Raves from the Hellmouth](#), or [The Price of Being Different](#).
or something different, by reading a [sneak](#) essay [Thoughts from the Furnace](#) about the internet, and flame.
And for a bit of an amusing take

February 03, 2003 10:15



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The screenshot shows a Mozilla browser window with the address bar set to `http://gemal.dk/`. The page title is "gemal.dk - Gemal's Psyched Blog". The browser's menu bar includes File, Edit, View, Go, Bookmarks, Tools, Window, Help, and Debug. The address bar contains search and navigation icons. The browser's toolbar shows various icons for Private, Private, Search, Mobile, Microsoft, Netscape, Software, Language, News, New Tab, and Print. The browser's status bar shows three tabs: "gemal.dk - Gemal's Psyched Blog", "Signas to be rechecked in other h...n...", and "Scientology News Release: KAP's V...".

The main content area displays "Home - Gemal's Psyched Blog" and "Gemal's Psyched Blog". A sidebar on the right contains navigation links: "GEMAL.PK", "Home and Blog", "Blog Archive", "BrowserSpy", "Start", "Mozilla", "Tools Files", "Firefox", "Firefox", "Pictures", "Deleted", "Travel", "Index", "About", "This Site", "MS", "News", "Contact", "Feedback", "Contact", "Help", "Help", "Utilities", "Threatened Men...".

An "Image Manager" dialog box is overlaid on the page, titled "Image Manager". It contains a table with the following data:

Site	Status
ad.europrint.com	site cannot load images
ad.fr.doubleclick.net	site cannot load images
ad.harmonyscientia.com	site cannot load images
ad.howstuffworks.com	site cannot load images
ad.kbn	site cannot load images

The dialog box also includes buttons for "Remove All", "Remove All Times", "Close", and "Help".



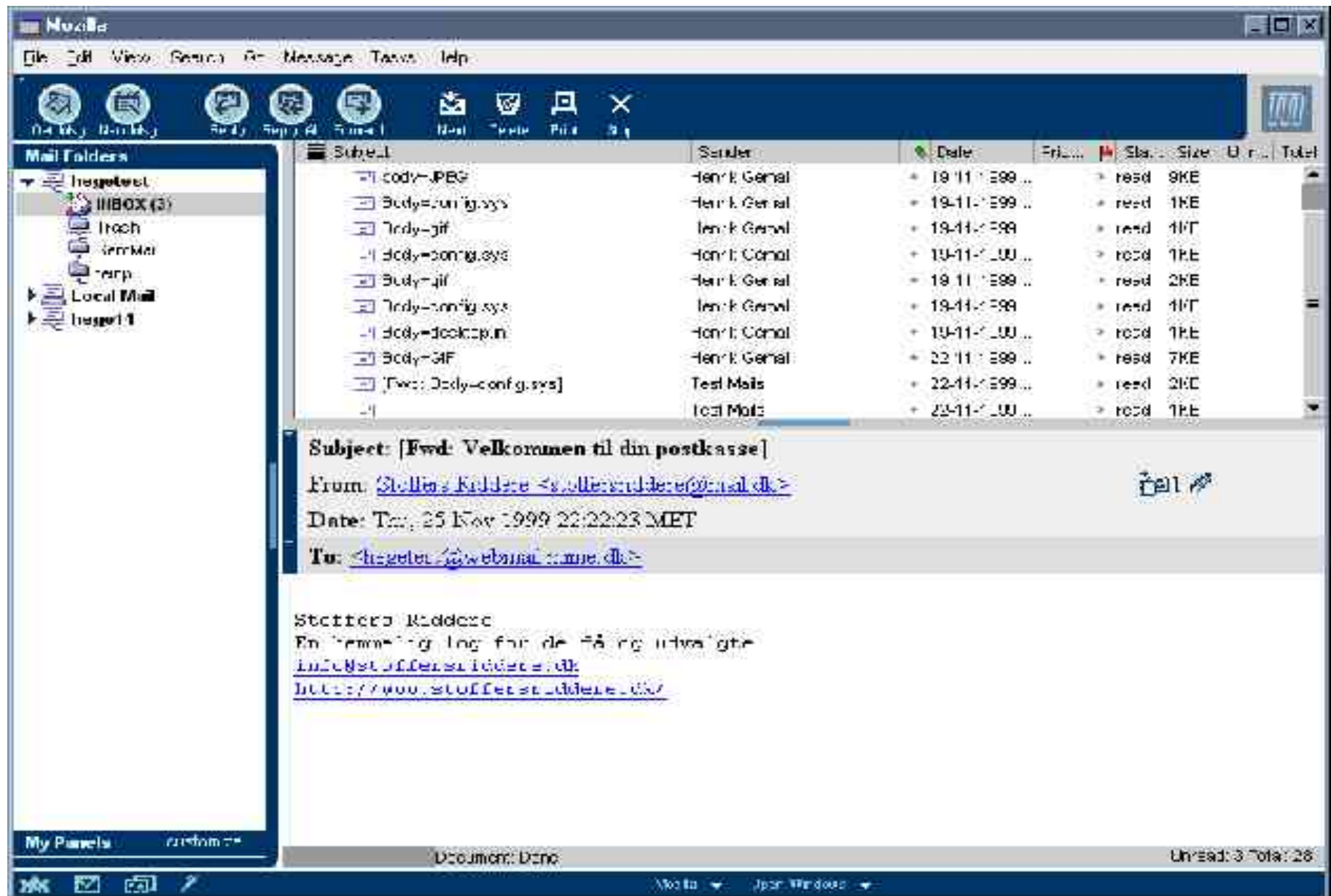
Mail og Nyhedsgrupper

- 100% reskrevet
- IMAP, POP3, SMTP, NNTP, LDAP, SSL, S/MIME, MAPI
- Adressebog
- Digitale signaturer
- HTML Mails
- Kvitteringer og Labels
- Understøttelse af mange sprog
- Flere konti / identiteter / import / Sync med Palm
- Quick Search





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The screenshot shows the Mozilla Mail client interface. The window title is "test - gmail for henrik@gmail.dk - Mozilla". The menu bar includes File, Edit, View, Go, Message, Tools, Window, and Help. The toolbar contains icons for various actions like opening, deleting, and printing.

The left pane shows a folder tree for "henrik@gmail.dk". The "Inbox" folder is expanded, showing several sub-folders: Drafts (389 KB), Templates, Sent (1158 7 MB), Trash (1515 9 MB), **test** (67 1 MB), contests (1 19 KB), errorout (1 1 2 KB), projects (1 11 18 KB), foto (780 KB), mail (10 1 MB), rest (1 2 KB), scho (25 3 MB), spam (2 10 KB), caught, and work. Below this, another "Inbox" folder is visible for "henrik@ge...".

The main pane displays a list of emails. The selected email is:

Subject	From	Date	Status	Size
download	dar	10-23-2013	Read	1KB
Penwith Information	Dave Loh...	10-23-2013	Read	1KB
Purchase BrowserSpy	Matt Jabel	11-23-2013	Read	1KB
online banking	henr...	15:29	Read	1KB
test	Henrik Genal	18:16	Read	85KB

The message preview for "Subject: test" shows:

- From: Henrik Genal <henrik@gmail.dk>
- Organization: http://ge...dk
- Date: 18:16
- To: erik@gmail.dk
- User Agent: Mozilla/5.0 (Windows; U; Windows NT 5.1; en-US; ...)

The message body contains the text: "test", a separator line, and "Henrik Genal, henrik@gmail.dk, http://ge...dk".

At the bottom, a browser window is visible with the title "gmail.dk - Gmail's Psyched Blog - Mozilla (Build ID: 2003031103)". The browser's address bar shows "http://ge...dk".



The screenshot shows the Mozilla Address Book application window. The title bar reads "Address Book". The menu bar includes "File", "Edit", "View", "Tools", "Window", and "Help". The toolbar contains icons for "New Card", "New List", "Properties", "Compose", "IM", "Delete", "Sync", and "Stop".

The main window is divided into two panes. The left pane, titled "Address Books", shows a tree view with "Personal Address Book" selected, containing sub-items: "Mailing List", "Another List", "Collected Addresses", "Work", "LDAP Directory", and "LDAP Directory2".

The right pane displays a search filter "Name or Email contains:" and a table of address cards. The table has columns for Name, Email, Work Phone, Organization, and Screen Name. The selected card is for John Smith.

Name	Email	Work Phone	Organization	Screen Name
Aaron Leveillard	aaronl@netscape.com			
German Dauer	german@netscape.com	650-937-1111		loguy
Lake Ross	lakeroc@netscape.com	650-937-0063		usability2000
Paul Hargis	hargis@netscape.com	650-937-4444		
Peter Mock	pmock@netscape.com	650-937-4452	Netscape	pmock5
John Smith	jsmith@netscape.com	(650) 937-1234		jsmith

The "Card for John Smith" pane shows the following details:

- Contact:** Display Name: John Smith, Nickname: John, Email: jsmith@netscape.com, Additional Email: jsmith@aol.com, Screen Name: [jsmith](#)
- Phone:** Work: (650) 937-1234, Home: (415) 555-1212, Fax: (650) 999-5555, Mobile: (415) 888-1444, Pager: (650) 123-4567
- Home:** 123 Any Street, Mountain View, CA 94043 (Get Map)
- Work:** Software Engineer, Netscape Communications, 456 Ellis Street, Mountain View, CA 94043 (Get Map), <http://www.netscape.com>
- Other:** Custom 1: Birthday - 2/30

The status bar at the bottom indicates "Total Cards in Personal Address Book: 62".

Menu Bar

Tool Bar

Search Toolbar

Sorting Columns

Results Pane

Address Book



Brugergrænsefladen

- XUL, JS, CSS, HTML, XML, RDF, XBL
- Separation af indhold, funktioner og udseende
- Nemt at oversætte
- Themes
- RDF
- W3C standard til at samle og vise data
- Bookmarks, Mails, News, historik, etc
- Sidebar
- Fleksibel





XUL - XML UI Language

- Bokse, knapper, menuer, træer, input, templates

```
<?xml version="1.0"?>
```

```
<window title="Hello World!"
```

```
  xmlns="http://www.mozilla.org/keymaster/gatekeeper/there.is.only.xul"  
  width="250" height="200" >
```

```
<hbox flex="1" align="center">
```

```
<image src="mozilla-big.gif" />
```

```
<text style="font-weight: bold;"  
  value="Hello World!" />
```

```
</hbox>
```

```
</window>
```





Diverse

- Mange udvidelser
- Bookmarks af tabs
- Nem backup
- Offline support
- P3P
- Embedded (Camino, Galeon, K-Meleon)
- Phoenix
- Beonex Communicator





Produkter

- Netscape Portable Runtime (NSPR)
 - Platformsuafhængigt API til system kald
 - Tråde, I/O, timing, memory management
 - Bruges i Mozilla og Netscape/AOL/iPlanet produkter
- Gecko
- Necko
- JavaScript og Rhino
- NSS = SSL/TLS/PSM
- XPCOM
- LDAP





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Brugere af Mozilla teknologi

- Nokia media terminal, Instant AOL touchpad, Intel Dot.Station, Printer assistant from HP, Galeon, Compuserve...
- ActiveState (Komodo)
- OEOne
- Iplanet
- AOL
- Bugzilla



Web udviklerne

- DOM Inspector
- JavaScript Console
- JavaScript Debugger
- Cache Manager (about:cache)
- Udvidelser ala LiveHTTPHeaders
- Database support





Mozilla vs Netscape

- Mozilla 1.3
- Netscape 7.02 baseret på Mozilla 1.0.2
- Netscape = Mozilla + beskyttet kode
 - AIM og ICQ
 - Netscape Radio





Hvordan laves Mozilla?

- Open Source værktøjer
- C++
- Kompiler (gcc, MSVC++, CWP, etc)
- CVS (version styrings værktøj)
- LXR (kode browser)
- Bonsai (checkin viewer)
- Tinderbox (build checker)
- Bugzilla (fejlmeldesystem)
- Global udvikling
- Windows, Mac, Unix





The tree is open

Build Time	Guilty	Linux brad Cbr	Linux otek Dep	Linux cornel Dep	Linux luna Dep	MacOSX Darwin 6.3 monkey Dep	MacOSX Darwin 6.3 silverstone Cbr	WININT 5.0 be Dep
03/12 06 16							L/ C	
06 08						L/		L/
06 01	peterv			L/	L/			
03/12 05 58			L/					
05 47								L
05 46								Z: 14.45MB mZ: 8.2727 Txu1: 326r Ts: 1454ms
05 26		L/		L Z: 19.92MB mZ: 13.31MB Txu1: 446ms Ts: 1455ms		L Tp: 683ms Ts: 5148ms		
05 10					L Z: 19.56MB Tp: 1150ms Txu1: 927ms Ts: 3216ms			
05 08			L Tp: 1056ms				L	
05 05								
05 03								
05 02				L Z: 19.92MB mZ: 13.31MB Txu1: 451ms Ts: 1454ms				L Z: 14.45MB mZ: 8.2727 Txu1: 326r Ts: 829ms
03/12 04 51								
04 45						L Tp: 683ms		



CVS Checkins

Checkins on all branches in the last day:

This is **Bonsai**, a query interface to the CVS source repository

[Modify Query](#)

[Mail everyone on this page](#) (31 people)

[Show commands which could be used to back out these changes](#)

Show me ALL the Diffs

(+5053/+275; Lines changed.

<u>When</u>	<u>Who</u>	<u>File</u>	Rev	Branch	<u>+/-</u>	Description
03/12/2003 06:07	peterv@netscape.com	mozilla/extensions/transformix/source/xslt/tsBufferingHandler.h	1.2		94/0	Fix for bug 179720 (implement real result tree fragments). r=sicking, sr=jsr.
03/12/2003 06:06	peterv@netscape.com	mozilla/extensions/transformix/source/xslt/tsBufferingHandler.cpp	1.2		410/C	
03/12/2003 06:03	peterv@netscape.com	mozilla/extensions/transformix/source/xslt/tsXMLOutput.h	1.2		3/83	
03/12/2003 06:03	peterv@netscape.com	mozilla/extensions/transformix/source/xslt/tsXMLOutput.cpp	1.11		7/8	



Bugzilla

- Open source fejlmeldesystem
- Skrevet i Perl
- 197.000 fejl rapporteret (10.000 i juni 1998)
- 90.000 brugere (25.000 aktive)
- Management
- Udviklingsforum
- Beslutningsforum
- 100-300 fejl rapporteret hver dag





[Bugzilla](#) Version: 2.17.1

Bugzilla Bug 197028 create profile / select profile storage location hides buttons on the right side (language dependent!) Last modified: 2003-03-12 03:00

Bug List: (16 of 28) [First](#) [Last](#) [Prev](#) [Next](#) [Show list](#) [Query page](#) [Enter new bug](#)

Bug#: [197028](#) alias:

Hardware:

Reporter: mozilla@tropicana.ch (Ar d)

Product:

OS:

Add CC:

Component:

Version:

CC:

Status: RESOLVED

Priority:

Resolution: DUPLICATE

Severity:

Assigned To: jagger.naut@netscape.com (jag (Peter Annema))

Target Milestone:

QA Contact:

URL:

Flags: [\(Help\)](#) **Requestee:**

Summary: create profile / select profile storage location hides buttons on th

blocking: 3

Status:

blocking: 4a

Whiteboard:

Keywords:



En fejls livscyklus

- Oprettes og tilknyttes et modul
- Evt re-tildeles til et andet modul
- Accepteres eller afvises
- Evt tidspunkt for rettelseplan
- Fejlrettelse indsendes
- Fejlrettelse testes og accepteres
- Fejl rettes
- Testes og rettelse bekræftiges





Management

- Hvem
- Hvilke bugs skal fixes
- Hvilke ting skal udvikles
- Prioritering
- Hvordan
- Organisering
- Milestones
- Moduler ala Linux
- Drivers aka Porkjockeys and Carpool
- Review, Superreview, Approval





Hvordan kommer jeg igang?

- Hent Mozilla 1.3 fra mozilla.org
- Find fejl og brug Talkback
- "Given enough eyeballs, all bugs are shallow"
- "Release Early, Release Often"
- Der mangles altid kodere, testere og brugere
- Vær med til at gøre en forskel!





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*And the beast shall be made **legion**. Its numbers shall be increased a **thousand thousand** fold. The din of a million keyboards like unto a great **storm** shall cover the earth, and the followers of Mammon shall **tremble**.*

*from **The Book of Mozilla, 3:31**
(Red Letter Edition)*