



Open Source Seminar Mozilla Firefox

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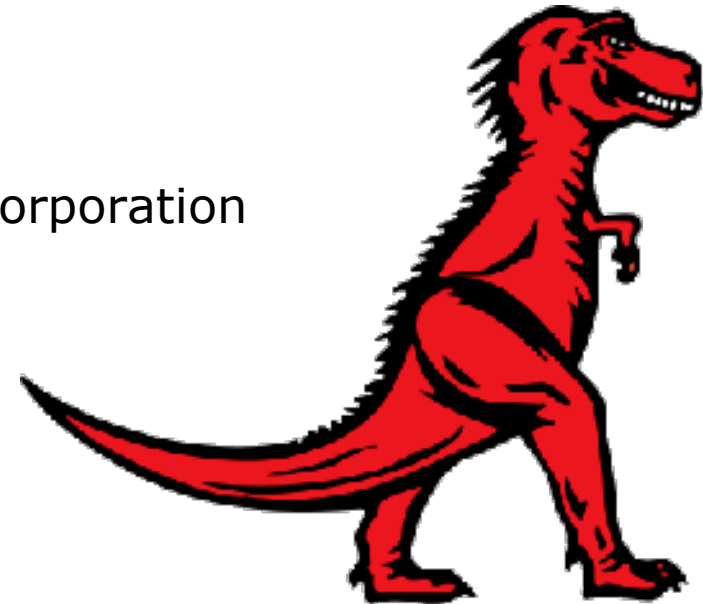


Mozilla Firefox

What is Mozilla?

1

- first of all it is the name of a saurian
- used by Netscape Communications Corporation
- head still used by Mozilla Foundation

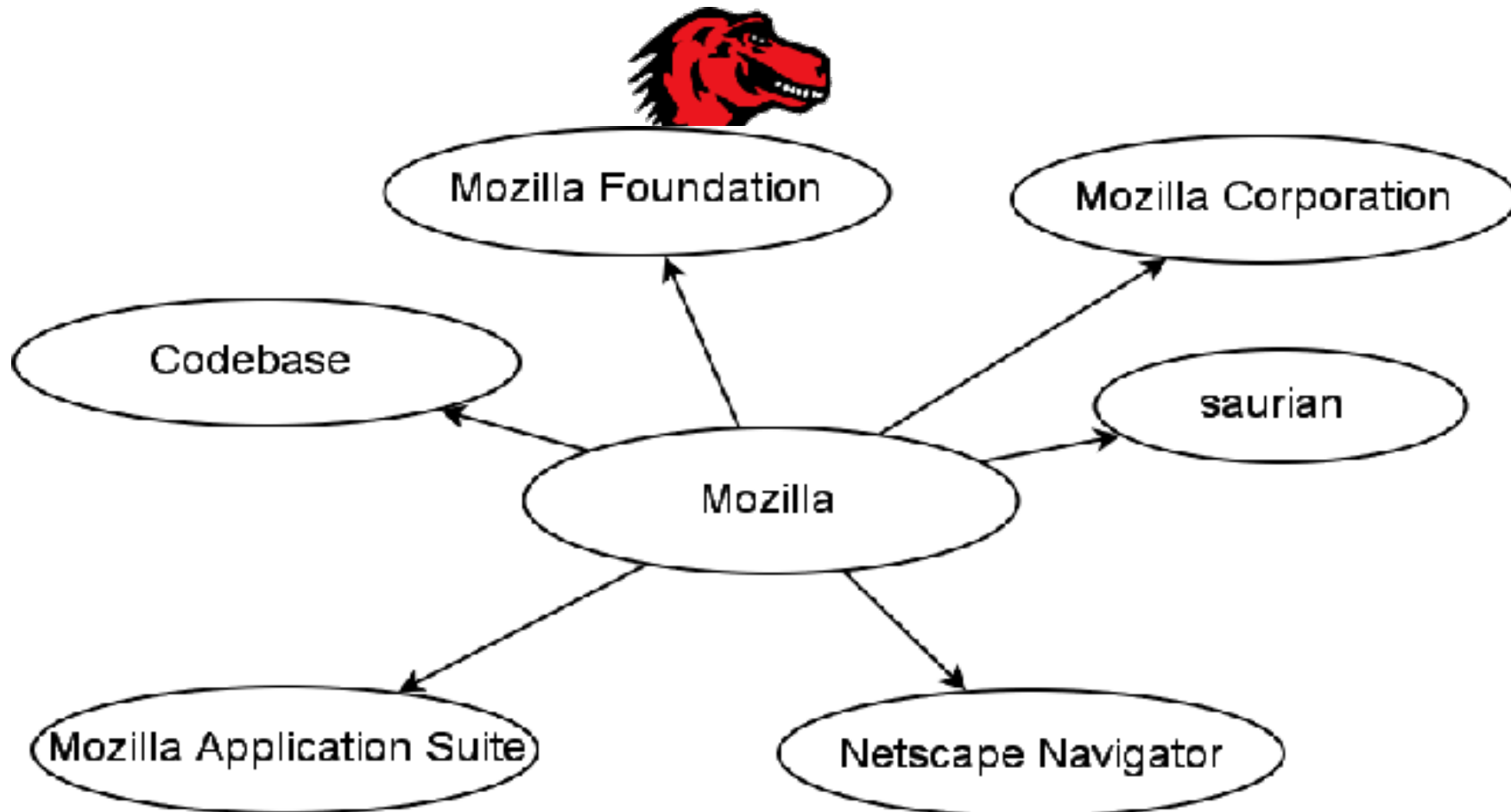




Mozilla Firefox

What is Mozilla?

2





Mozilla Firefox

What is Mozilla?



3

about:mozilla

*Mammon slept. And the **beast reborn** spread over the earth and its numbers grew legion. And they proclaimed the times and **sacrificed** crops unto the fire, with the **cunning of foxes**. And they built a new world in their own image as promised by the **sacred words**, and **spoke** of the Leas with their children. Mammon awake, and lo! it was **naught** but a follower.*

*from **The Book of Mozilla, 11:9**
(10th Edition)*



Mozilla Firefox

What is Firefox?

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- popular web browser, written in C, C++ and JavaScript
- under GPL, LGPL and MPL
 - considered to be free software (FSF)
- used by 21% of all web-users [January 2009]
- Phoenix -> Firebird -> Firefox
- current version: 3.0.6

Firefox 3.0.6





Mozilla Firefox

And what is Mozilla Firefox?



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- official name of Firefox
- maintained by Mozilla Foundation
- commercial support and distribution by Mozilla Corporation



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- own irc server (*irc.mozilla.org*) with huge amount of channels
- 4 mailing lists
- blogs and newsfeeds
- wiki
- marketing & merchandising project (*spreadfirefox.com*)



Mozilla Firefox

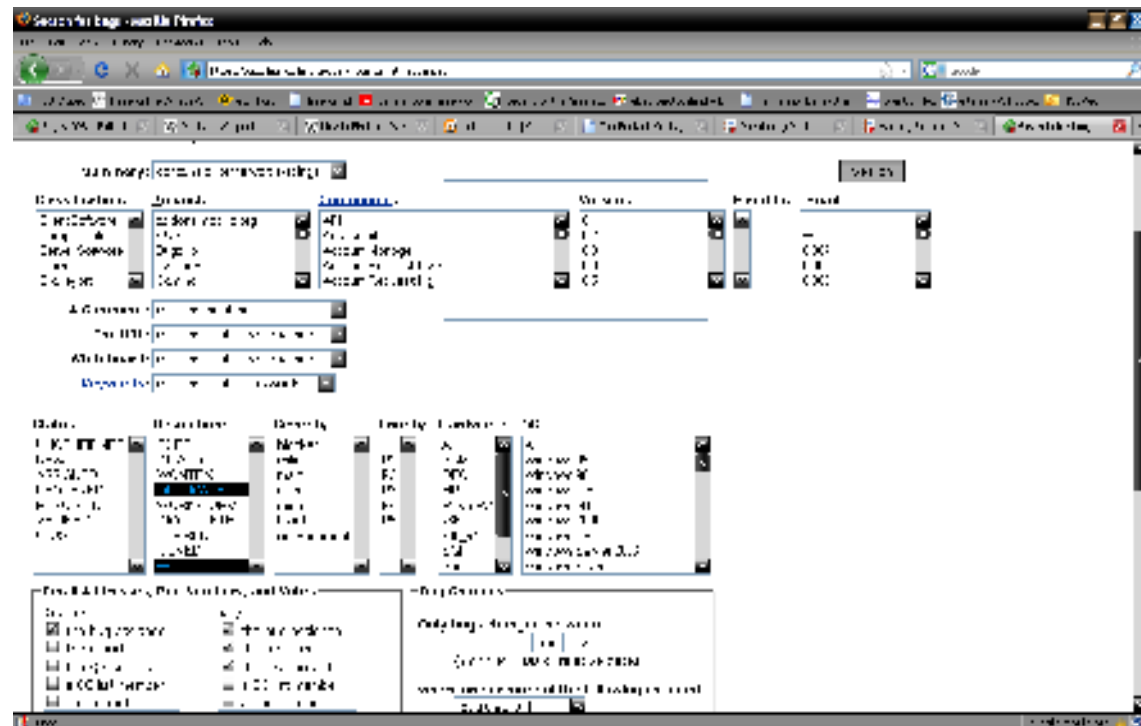
Developing for Mozilla Firefox



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- check out the CVS tree
- change source, build and test it, send it in
- go through first stage of review (r=)
- go through second stage of review (sr=)
- pass both reviews successfully and be happy

Bugzilla





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- checked out (3.0.3)
- quick look into source with Microsoft Visual Studio (VS), then avoided it
- recognized lack of VS project file
 - ==> searched for every class/type/function I needed over all files in tree
- quick (and dirty) fixed my bug in a „nightly build“
- happy but tired



Mozilla Firefox

This is bug #61098



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Firefox@Mozilla - Bug 61098 File Search Home New Search [] [] Reports Requests New Account Help Log In

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Bug 61098 - (alertloops) Exit all currently active scripts (allow aborting modal window.alert() loops in javascript (js)) [Last Comment](#)

Reported: 2000-11-23 12:27 PST by [Cormac F](#)

Status: NEW
Whiteboard: [sg:want F2]
Keywords: ? , ? , ? , ? , ?
Products: Core
Component: DOM: Core & HTML
Version: Trunk
Platform: All

Flags:
 p1: want altnex +
 js1: blocking1.5.1-
 m1: a: http://bugzilla.mozilla.org/show_bug.cgi?id=61098
 mtschrep: wanted1.9
 Pending review ---

Importance: P3 critical with [92 votes \(votes\)](#)
Target Milestone:
Assigned To: Nobody; OK to take and work on it.
QA Contact: [jandval@mozilla.com](#)

URL:
Depends on: [60183](#)
Blocks: [140840](#) [149034](#) [327720](#) [432087](#)
 show dependency [tree / graph](#)



Mozilla Firefox

This is bug #61098



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Firefox@Mozilla - Bug 61098 Exit all currently active scripts (allow aborting modal window.alert() loops in javascript (js)) Last modified: 2000-02-02 13:14:02 PST

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Status: NEW
Whiteboard: [sg:want P2]
Keywords: !unc, !hw, !tal

Product: Core
Component: DOM: Core & HTML
Version: Trunk
Platform: All

Importance: P3 critical with 92 votes (votes)
Target Milestone:
Assigned To: Nobody; OK to take and work on it.
QA Contact: [jstall@mozilla.com](#)

URL:

Depends on: 50183
Blocks: 140240, 219024, 327220, 432087
 show dependency tree / graph

Flags:
 p1: wantalmox+
 jst: blocking1.5.1-
 ml: a-trip: blue or y1 C-
 mtschrep: wanted1.91

Tracking: **Priority:** ---

DEMO



Mozilla Firefox

How you should solve it



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- consensus of community:
 - make alert windows not modal to whole window
 - instead make modal to tab, that invoked it
- some suggested feature to abort script execution (with reference to other browsers)



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- traversed down a long chain of object indirections:
 - at least 6 (!) indirections to call alert window
- tried to understand window model and usage of it in Firefox
- decided to implement second alternative (kill script feature)



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DEMO



Mozilla Firefox *Sources*



<https://developer.mozilla.org/en>

<http://doxygen.db48x.net/mozilla-full/html/index.html>

<http://de.wikipedia.org/wiki/Mozilla>

http://en.wikipedia.org/wiki/Mozilla_Firefox

<http://en.wikipedia.org/wiki/Mozilla>

all last viewed on: 02/06/2009