Mozilla and mobile

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Mozilla
Firefox ™

Agenda

- Mozilla and Firefox background

- Our vision for mobile and devices

- Technology

- Working with Mozilla

Mozilla

- A global effort to promote choice & innovation on the Internet

- An open source project with thousands of contributors

- A public-benefit non-profit foundation and wholly-owned corporation
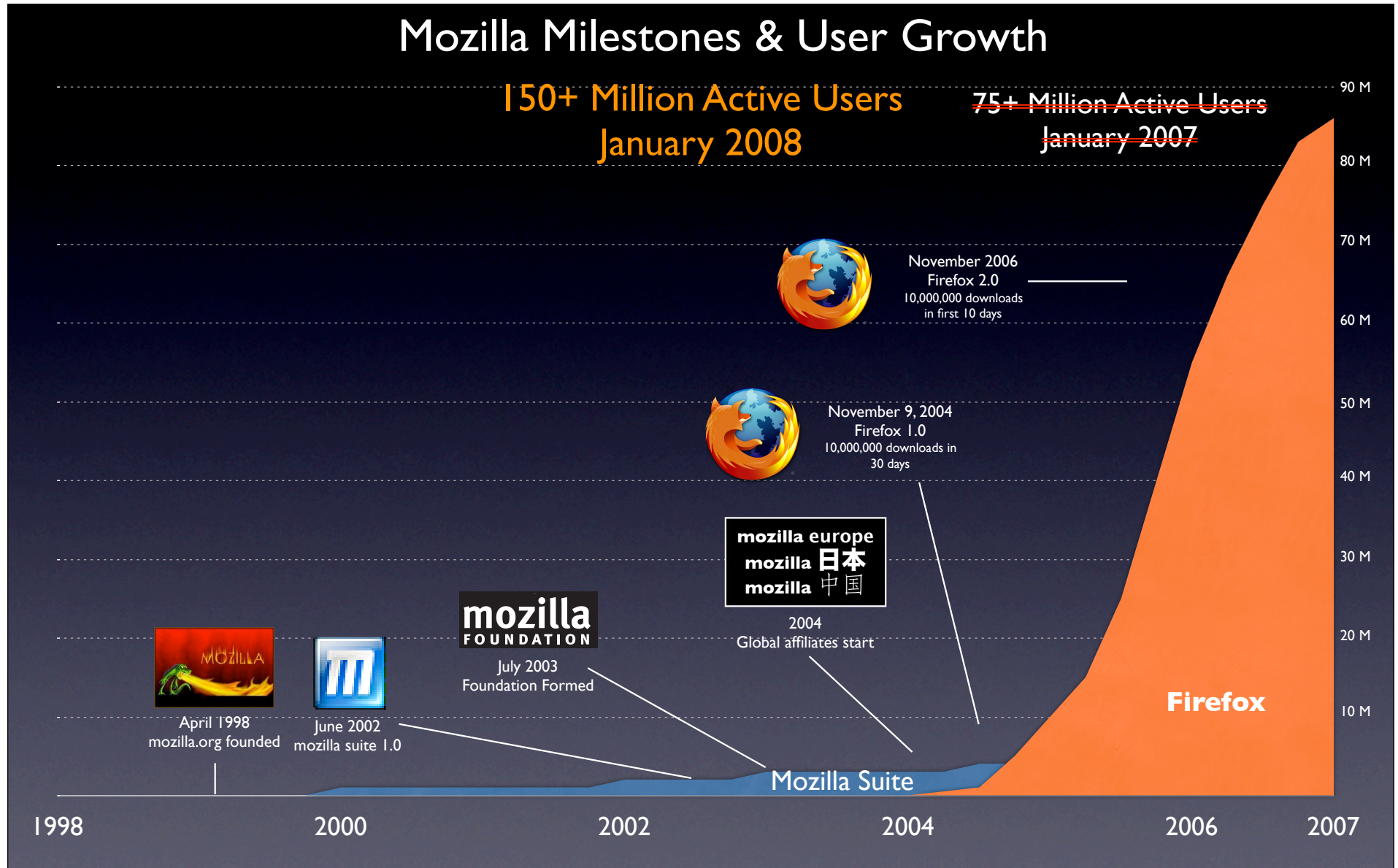
- We make Firefox

Firefox

- Award-winning Web Browser

- Most secure

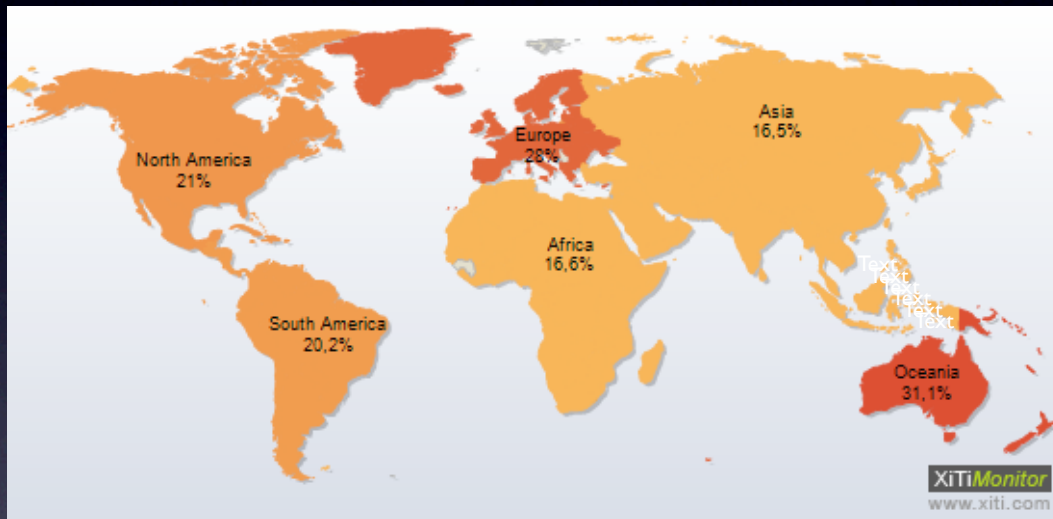- More than 40 languages

- A platform for innovation

Mozilla Milestones & User Growth

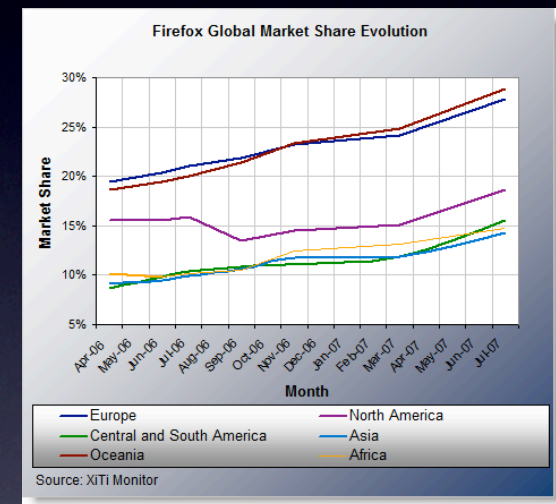**150+ Million Active Users**
January 2008

~~75+ Million Active Users~~
~~January 2007~~

November 2006
Firefox 2.0
10,000,000 downloads
in first 10 days

November 9, 2004
Firefox 1.0
10,000,000 downloads in
30 days

mozilla europe
mozilla 日本
mozilla 中国

2004
Global affiliates start

mozilla
FOUNDATION

July 2003
Foundation Formed

MOZILLA

April 1998
mozilla.org founded

June 2002
mozilla suite 1.0

Mozilla Suite

Firefox

90 M

80 M

70 M

60 M

50 M

40 M

30 M

20 M

10 M

1998   2000   2002   2004   2006   2007

A worldwide product

~20%...

...and growing

Mozilla mobile - the time is now

- Firefox for mobile devices

- Enable embedding of core browser / JavaScript engine

- A platform for innovation on mobile

- Built upon the core Firefox code

- Linux, Windows Mobile underway, evaluating Symbian

- Nokia N810, Skyfire shipping Mozilla-based browsers

Our approach

Mozilla principles...	...applied to mobile
User experience	Fast, clean and simple Lead in compatibility A *whole product*
Security	Proactive and transparent Auto-updating User control over access to phone features
Engage directly with users	Distribute directly to users; but also through network operators and manufacturers where aligned
Empower developers	Web developers, extension developers, browser and application developers
Community and robust processes	QA and localization Proactive about triage, resolution and updates

Striving for simplicity

Empowering Web developers

Goal:	Web site	Mobile-friendly layout	Mobile widget	Device integration
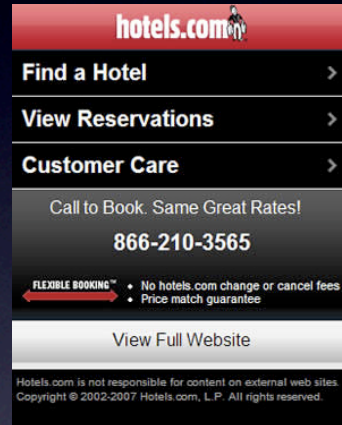
Requires:	HTML CSS JavaScript Plug-ins	More CSS Device capabilities data	Widget platform Shortcuts Distribution	JavaScript/DOM access to device features Security

Result: the Web as a complete mobile platform
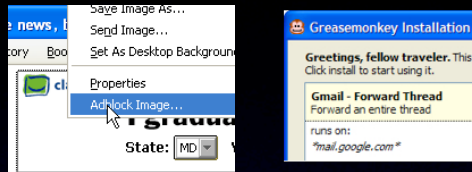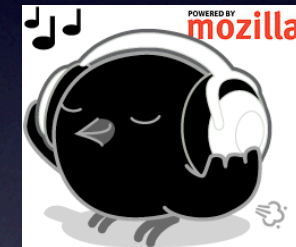
Extensions

Browsers

Applications

Mozilla platform - ready for mobile

Memory and Performance

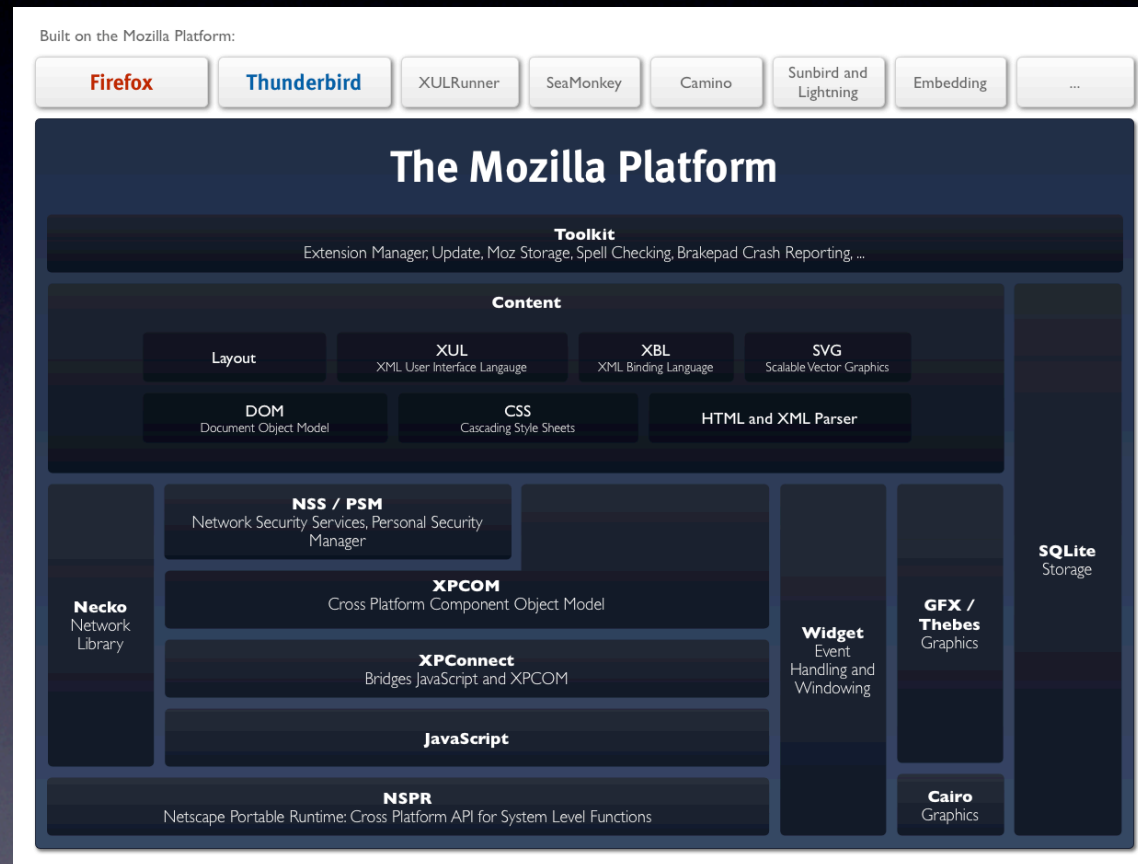350+ Performance Improvements in Firefox 3

Targeting the apps people use on the Web:

JavaScript, DOM and graphics, native JSON

300+ Memory Improvements

Removing allocations

Non-system allocator

Built on the Mozilla Platform:

| Firefox | Thunderbird | XULRunner | SeaMonkey | Camino | Sunbird and Lightning | Embedding | ... |

The Mozilla Platform

Toolkit
Extension Manager, Update, Moz Storage, Spell Checking, Brakepad Crash Reporting, ...

Content

Layout

XUL
XML User Interface Langauge

XBL
XML Binding Language

SVG
Scalable Vector Graphics

DOM
Document Object Model

CSS
Cascading Style Sheets

HTML and XML Parser

Necko
Network Library

NSS / PSM
Network Security Services, Personal Security Manager

XPCOM
Cross Platform Component Object Model

XPConnect
Bridges JavaScript and XPCOM

JavaScript

Widget
Event Handling and Windowing

GFX / Thebes
Graphics

SQLite
Storage

Cairo
Graphics

NSPR
Netscape Portable Runtime: Cross Platform API for System Level Functions

Features

New graphics architecture (Cairo)

Over 12,000 fixes since FF2

First browser with WHATWG offline support

Leading on security

xs-xmlhttp, postmessage, secure global objects

An open process - join us!

- Web: http://wiki.mozilla.org/mobile

- IRC: irc://irc.mozilla.org/#mobile

- Phone: Monday @ 9:00AM PST +1-650-903-0800 x91 conf# 314

- We're hiring

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