Staying Safe on the Web
Yesterday, Today and Tomorrow

Sid Stamm
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YESTERDAY
MOZILLA

Starting up...
June 5, 2002!

Mozilla 1.0
Mozilla/5.0 (Windows; U; Win95; en-US; rv:1.0.0)
Gecko/20020530

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Bug 149777 - Node cloned from external, untrusted document and appended to chrome document.

Reported: 2002-06-06 17:00 PDT by John Morrison
Bugs.
<table>
<thead>
<tr>
<th>Bug 18553 - [DOGFOOD] addEventListener allows sniffing keystrokes (at least)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Status:</strong> VERIFIED FIXED</td>
</tr>
<tr>
<td><strong>Whiteboard:</strong> [PDT+] [ETA 10/3]</td>
</tr>
<tr>
<td><strong>Keywords:</strong></td>
</tr>
<tr>
<td><strong>Product:</strong> Core</td>
</tr>
<tr>
<td><strong>Component:</strong> Security</td>
</tr>
<tr>
<td><strong>Version:</strong> Trunk</td>
</tr>
<tr>
<td><strong>Platform:</strong> x86 Windows 95</td>
</tr>
<tr>
<td><strong>Importance:</strong> P1 major (vote)</td>
</tr>
<tr>
<td><strong>Target Milestone:</strong> mozilla0.9.5</td>
</tr>
<tr>
<td><strong>Assigned To:</strong> Mitchell Stoltz (not reading bugmail)</td>
</tr>
<tr>
<td><strong>QA Contact:</strong> bsharma</td>
</tr>
<tr>
<td><strong>URL:</strong> <a href="http://www.nat.bg/~joro/mozilla/addli">http://www.nat.bg/~joro/mozilla/addli</a>...</td>
</tr>
</tbody>
</table>
Bug 108104: Key events from script can execute menu commands

Status: VERIFIED FIXED
Whiteboard: AOLTWOK
Keywords:

Product: Core
Component: DOM: Events
Version: Trunk
Platform: All

Importance: -- critical
Target Milestone: mozilla1.0
Assigned To: joki (gone)
QA Contact: Vladimir Ermakov

Reported: 2001-11-01 16:34 PST by Mitchell Stoltz (not reading bugmail)
Modified: 2002-05-28 17:33 PDT (History)
CC List: 17 users (show)

See Also:
- blocking-fennec:
- blocking2.0:
- status2.0:
- blocking1.9.2:
- status1.9.2:
- blocking1.9.1:
- status1.9.1:

URL:

Depends on:
Blocks:

Done
CSS HISTORY
SNIFFING
JSFunFuzz

1024 bugs since 21-August 2006
118 security critical
Oh dear...
Oh dear...

( Brendan Eich )
( Invented JavaScript )

Image Credit: Randal Alan Smith / http://valleywag.gawker.com
EYEBALLS
Bug 267824 - Firefox is ugly and sucks

Status: VERIFIED INVALID
Whiteboard: 
Keywords: 
Product: Firefox
Component: General
Version: unspecified
Platform: All
Importance: -- critical (vote)
Target Milestone: ---
Assigned To: Blake Ross
QA Contact: general
URL: http://any website

Reported: 2004-11-04 16:13 PST by IE_Fan
Modified: 2004-11-04 16:22 PST (History)
CC List: 0 users (show)
Flags:
See Also:
blocking2.0: ---
status2.0: ---
binding1.9.2: ---
status1.9.2: ---
binding1.9.1: ---
status1.9.1: ---

Show dependency tree / graph
You can't release Firefox 1.0 like that! Just see how ugly it looks like, horrible! You need to improve Firefox for at least some years to get a decent release!

Reproducible: Always
Steps to Reproduce:
1. Go to spreadfirefox.com
2. Download Firefox
3. Note ugliness

Actual Results:
I was horrified and went back to IE (after a short jump over to Mozilla).

Expected Results:
Stay with Firefox :)

this needs to stop Firefox 1.0!!!
BUG BOUNTIES
FUZZING
Browser as Protector
Safe Platform
Safe Browsing (Google)
Out-Of-Process Plugins
Out-Of-Process Plugins
Out-Of-Process Plugins

If you are reading this from a browser using Adobe’s Flash Player plug-in (i.e., if you see a blue rectangle below), it will probably crash within the next few seconds. :-(

[Image of a Flash Crash! - Minefield screenshot]
Out-Of-Process Plugins

If you are reading this from a browser using Adobe’s Flash Player plug-in (i.e., if you see a blue rectangle below), it will probably crash within the next few seconds. :-(
Out-Of-Process Plugins

If you are reading this from a browser using Adobe’s Flash Player plug-in (i.e., if you see a blue rectangle below), it will probably crash within the next few seconds. :-(
SECURITY FEATURES
CSS HISTORY
SNIFFING
BETTER TRUST
PRIVACY
TOMORROW
FirefOS (Okay, not really)
Canvas

CSS3 Transformations

Direct2D

Drag & Drop

FileAPI

Geolocation

HTML5 Forms

MathML

Open Video/WebM

SVG

WebGL

WebSockets

Web Storage (SQL)

Web Workers
AddOns
Jetpack

My Add-On

API

module
module
module
module
module

Jetpack Backend (XPCOM)
Jetpack

My Add-On

API

module

module

module

module

module

Jetpack Backend (XPCOM)

JavaScript
Jetpack

Capabilities:
1. http://foo.com
2. graphics
3. menus

My Add-On

API
module
module
module
module
module

Jetpack Backend (XPCOM)
MULTI-PROCESS ARCHITECTURE
ACCOUNT MANAGER
(concept)
BETTERER
TRUST
PRIVACY
OPEN QUESTIONS
PRIVACY?
ANONYMITY?
BETTEREST TRUST?
SOCIO-TECHNICAL SECURITY?