

Getting Involved in Mozilla and QA

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This Presentation

- About me
- A little about Mozilla QA
- What we do during Maintenance Releases
- Our work during Major Releases
- How you can participate

About me

- Grew up in Mexico :)
- Joined Mozilla 3+ years ago
- Testing maintenance releases, special distributions, major updates, coordinated maintenance releases, Fx3.5 and Fx3.6 testing coordination, and helping out wherever I can.

A typical day

- Monday weekly status
- Big staff meeting
- Has everything landed for Firefox 3.6?
- Crashkill meeting
- Has everything landed and have we finished our feature testing?

Mozilla's QA Team

- 20 people, many working remotely, different areas of expertise
- Team helps ensure quality of Firefox, Fennec, WinCE, Thunderbird, Mozilla's web sites
- Human testing, automated testing, building testing frameworks and tools

- Work closely with developers
- Triage and confirm problems
- Organize test days and meetups
- Test features, create tests
- Write automated tests, work on tools such as Mozmill and QAC extension

What we do during Maintenance Releases

- Make sure bug fixes are actually fixed
- Run series of tests to make sure we haven't regressed: smoketests, BFTs, 110n spot checks, updates checks
- “Ok: go!”
- We monitor feedback



welcome
juanb [log out](#)

get testing!
[run tests](#)
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reporting
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admin
[manage test runs](#)
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active test runs

name	coverage	results
firefox 3.6 catch-all test run ★▶	⊗	⊗
<p>Description: This is the baseline, catch-all test run for Firefox 3.6 builds. It should remain open for as long as we are releasing products off this branch (MOZILLA_1_9_2 BRANCH).</p> <p>Details: Firefox, 3.6 Branch, 2009-08-10 07:00:00 → 2015-01-01 00:00:00</p> <p>Testgroups: 3.6 Basic Functional Tests (BFTs), 3.6 Firefox Windows Vista, 3.6 Full Functional Tests (FFTs), 3.6 Leopard Test Suite, 3.6 Mac Form Controls, 3.6 Mac Keyboard Test Suite, 3.6 Smoketests, 3.6 Software Update, 3.6 Surf's Up - Fun Smoketests!, Firefox 3.5->3.6 Major Update</p> <p>Criteria: No further criteria specified</p>		
firefox 3.5 catch-all test run ★▶	⊗	⊗
<p>Description: This is the baseline, catch-all test run for Firefox 3.5 builds. It should remain open for as long as we are releasing products off this branch (MOZILLA_1_9_1 BRANCH).</p> <p>Details: Firefox, 3.5 Branch, 2008-09-02 12:00:00 → 2015-09-02 12:00:00</p> <p>Testgroups: 3.5 Basic Functional Tests (BFTs), 3.5 Firefox Windows Vista, 3.5 Full Functional Tests (FFTs), 3.5 Leopard Test Suite, 3.5 Mac Form Controls, 3.5 Mac Keyboard Test Suite, 3.5 Smoketests, 3.5 Software Update, 3.5 Surf's Up - Fun Smoketests!, Firefox 3.0->3.5 Major Update</p> <p>Criteria: No further criteria specified</p>		



run tests - your chosen test run »

select a testgroup and subgroup to test

select testing group

name	trusted coverage 	community testing coverage 
<input checked="" type="radio"/> 3.6 Basic Functional Tests (BFTs)	0%	0%
<input type="radio"/> 3.6 Firefox Windows Vista	0%	0%
<input type="radio"/> 3.6 Full Functional Tests (FFTs)	0%	0%
<input type="radio"/> 3.6 Leopard Test Suite	0%	0%
<input type="radio"/> 3.6 Mac Form Controls	0%	0%
<input type="radio"/> 3.6 Mac Keyboard Test Suite	0%	0%
<input type="radio"/> 3.6 Smoketests	0%	0%
<input type="radio"/> 3.6 Software Update	0%	0%
<input type="radio"/> 3.6 Surf's Up - Fun Smoketests!	0%	0%
<input type="radio"/> Firefox 3.5->3.6 Major Update	0%	0%

select subgroup

name	number of testcases	trusted coverage 	community testing coverage 
<input checked="" type="radio"/> FX 3.6 BFT - Installation	8 (8)	0%	0%
<input type="radio"/> FX 3.6 BFT - Menu Bar	11 (11)	0%	0%
<input type="radio"/> FX 3.6 BFT - Options (Preferences)	5 (5)	0%	0%
<input type="radio"/> FX 3.6 BFT - General	12 (12)	0%	0%
<input type="radio"/> FX 3.6 BFT - Awesome Bar	11 (11)	0%	0%
<input type="radio"/> FX 3.6 BFT - Tabbed Browsing	14 (14)	0%	0%
<input type="radio"/> FX 3.6 BFT - Search	8 (8)	0%	0%
<input type="radio"/> FX 3.6 BFT - Popup and annoyance blocking	9 (9)	0%	0%
<input type="radio"/> FX 3.6 BFT - Find in Page	5 (5)	0%	0%

run tests - your chosen test run »

enter test results

testcases - : fx 3.6 bft - tabbed browsing

[Submit All Results](#)

[show all](#) / [hide all](#)

1: open a new window »

[view](#) / [edit](#)

Steps to Perform:

Open a new browser window using *Ctrl+N* (Mac: *Cmd+N*) or File | New Window.

Expected Results:

A new browser window should open.

This test is covered by Mozmill:

testtabbedbrowsing/testnewwindow.js

Result:

- Not Run
- Pass
- Fail
- Test unclear/broken

Notes/Comments (optional):

Associated Bug #s:

(bug #,bug #,...)

[Submit This Result](#)

2: open a new tab »

[view](#) / [edit](#)

3: open a link in a new tab that opens in the background »

[view](#) / [edit](#)
































4: open an item from history in a new tab that opens in the foreground »

[view](#) / [edit](#)

Work during Major Releases

- What are we going to test?
- Take ownership of features
- Create feature test plans, test cases, and monitor bugmail
- Schedule Testdays to test and explore new version

[\[edit\]](#) Firefox Features:

Feature Test Plan	Specs	Tracking Bug(s)	QA	Dev	Status
Asynchronous Location Bar	Sprint 	bug 455555 	tracy  , ashughes 	sdwilsh	Dev: regression fixing QA: complete
Aero Peek	No sprint	bug 474056  , bug 501490 	qa1, ashughes  , volunteer	robarnold	Dev: complete QA: 0%
Form Awesomecomplete	Sprint 	bug 370117  , bug 446247 	tracy 	MattN	Dev: complete - polishing QA: 95% - just 2 Litmus test cases left
Plugin Update Referrals	Sprint 	bug 514327 	tchung  , qa2, volunteer	Mossop, bcmcbride	Dev: incomplete (needs 1.9.2 landing) QA: 30%
Multitouch Polish	Sprint 	bug 488715 	marcia  , juanb  , volunteer	felipe	Dev: complete, enhancements considered QA: 20% ?
Performance Perception	Sprint	bug 513817 	Henrik  , marcia  , volunteer	faaborg	Dev: incomplete, complete, regression fixes, ? QA: % ?
Personas Uplift Exploration	Sprint  , blog  , blog 2 	bug 511104  , bug 511107  , bug 511108  , bug 511771  , bug 510909 	tchung  , juanb  , volunteer	dao	Dev: incomplete QA: 35%

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- [5 Reference](#)
- [6 Litmus Test Cases Added](#)

[\[edit\]](#) Multitouch

- **Development Status:** - Basic functionality is complete. Enhancements are being assessed.
- **Dev:** - felipe
- **Feature Testing:** - In progress.
- **QA Contact:** [marcia](#) , [juanb](#)

[\[edit\]](#) Overview

The multitouch feature is specific to the Windows 7 platform and bring Firefox to IE8 parity with multitouch capable devices.

- https://wiki.mozilla.org/Firefox/Projects/Multitouch_Polish#Parity_Bugs_Remaining

[\[edit\]](#) Things We Test

List the tests we have where applicable:

- Automated Tests
 - [bug 479901](#) has a number of automated [tests](#) for this feature.
- Manual Tests
 - For manual tests we will test the following gestures:
 - Zoom
 - Single finger and two fingers pan
 - Rotate
 - Two fingers tap
 - Press and tap

[\[edit\]](#) Schedule

We will run through Litmus smoketests, full functional tests, I10n spot checks and updates checks, as well as new feature testing, depending on what finally lands for the 1.9.2 branch.

- Code Freeze: Oct 5
- Builds Start: Oct 6
- QA: Oct 7-13
 - Smoketests and Other OS Spot Checks: Oct 7 (3 people)
 - Testday: Oct 9 (3 people monitoring)
 - Full Functional Tests: Oct 7-11 (4 people)
 - Accessibility: Before Oct 11 (1 person)
 - Top Sites Testing: Before Oct 11 (1-2 people)
 - I10n spot checks: Oct 11 (3 people)
 - Updates checks: Oct 12-13 (4 people)

[\[edit\]](#) Builds

You can find the builds here (as they become available):

<http://ftp.mozilla.org/pub/mozilla.org/firefox/nightly/3.6b1-candidates/build1> [↗](#)

[\[edit\]](#) Test Results

- [Smoketests](#): **result**
- [Full Functional Tests](#): **result**
- [I10n Spot Checks](#): **result**
- [Accessibility](#): **result**
- [Top Sites Testing](#): **result**
- [Top Add-ons](#): **result**
- [Updates Checks](#): **result**

[\[edit\]](#) Focus Areas

- [Top Crashers](#)
- Location Bar (Asynchronous Location Bar)
- Aero Peek (Pending 1.9.2 landing)
- Form Manager (Form Awesomecomplete)
- Plugin Update Referrals
- Multitouch
- Scrolling (Performance Perception)
- Lightweight Themes (Personas)
- about:support
- Per Tab Network Prioritization (Pending 1.9.2 landing)



QMO

The home of Mozilla QA



HOME

EVENTS

PROJECTS

BLOG

FORUMS

DOCS

TOOLS

COMMUNITY

How do you want to get involved?



Test

Run Litmus testcases, attend a Test Event or test on your own. **Check out the QA Events!**



Code

Work on QA tools and test automation with our team. **Join a Project today!**



Bugs

Help find, reproduce and resolve Firefox issues in Bugzilla. **Swat bugs every Tuesday during Bug Days!**

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Data

Discover new issues from user feedback and crash data. **Go find a Project and start digging!**

Upcoming Events

- OCT 16** **Testday: Reporting Website Compatibility with Fx3.5** Join the MozQA Community in learning about the new Website T...
- OCT 30** **Testday: Testscripting with MozMill** Join the MozQA Community in Testscripting with MozMill 1.2!...
- NOV 13** **Testday: Panning and Zooming with Fennec** Join the MozQA Community in testing Panning and Zooming with...

Current Projects

MozWebQA
MozWebQA's (Mozilla Web QA) role is to ensure the quality of our web applications across a variety of platforms and browsers

Improving Litmus
Litmus is our online test case

Quick Actions

Contact Us on IRC!

Do Test Cases

File a Bug

Get a Nightly Build

Look up Crash Stats

How you can participate

- Explore: existing and new features
- Test: run a test suite in Litmus, try out a new feature
- Bug triage: confirm new bugs, find regression ranges,

Prioritized

- [System Extension Notification](#)
- [Understand why we strand users on point releases](#)
- [Always have option to Add Search](#)
- [Add Search to Awesomebar](#)
- [Rebuild Software Update without browser element](#)
- [App-wide Database Vacuum](#)
- [Unbreak RSS](#)
- [about:newtab](#)
- [Improve Plugin Find and Install](#)
- [Visual Affordance for Tear Off Tabs](#)
- [Extension Manager API Updates](#)
- [Addons Manager Redesign](#)
- [Control-Tab](#)
- [Update dictionaries](#)
- [about:problems](#)
- [Automatic Recovery](#)
- [about:me \(first-pass addon done, uplift approach still open\)](#)

Unprioritized

- [JetPack Uplift](#)

Additional Projects Ideas (Need more definition)

- [Places Schema Redesign](#)
- [Areas that need code cleanup or overhaul](#)
- [App-wide Database Integrity Check](#)
- [Migration Component JS Porting](#)
- [Rewrite Places SQL Query Builder](#)
- [Create a Places page thumbnail service](#)
- [Crowdsource Performance Data](#)

[edit] Design

- [spec](#) from November 2008
 - Mockups based on spec:



Questions

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