Firefox for Android

(a.k.a. Fennec)

Petr Marek

FEL CTU A4M350SP 2015/2016



Fennec - intro

- =codename (fennec fox small desert fox)
- Mobile Firefox browser for Android (from 2.3) and iOS devices
- Uses the same Gecko layout engine as Mozilla Firefox
- Development since 2011 present
- Stable release 45.0.1 (March 16, 2016)

Future branch dates

quarter	merge date	central	aurora	beta	release date	release	ESR
Q2	2016-04-18	Firefox 49	Firefox 48	Firefox 47	2016-04-19	Firefox 46	Firefox 38.8; 45.1
	2016-06-06	Firefox 50	Firefox 49	Firefox 48	2016-06-07	Firefox 47	Firefox 45.2
Q3	2016-08-01	Firefox 51	Firefox 50	Firefox 49	2016-08-02	Firefox 48	Firefox 45.3
	2016-09-12	Firefox 52	Firefox 51	Firefox 50	2016-09-13	Firefox 49	Firefox 45.4
Q4	2016-11-07	Firefox 53	Firefox 52	Firefox 51	2016-11-08	Firefox 50	Firefox 45.5
					2016-12-13	Firefox 50.0.1	Firefox 45.5.1
Q1	2017-01-23	Firefox 54	Firefox 53	Firefox 52	2017-01-24	Firefox 51	Firefox 45.6

Fennec - guts

- Written in:
 - o C++
 - Java
 - XUL (XML User Interface by Mozilla)
 - JSM (JavaScript code modules)
- JSM sharing code for privileged JS scopes

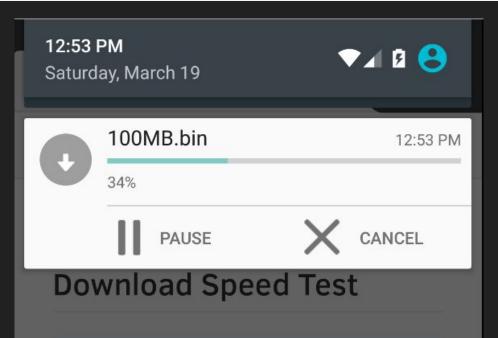
Fennec devs & comm

- Bugs bugzilla.mozilla.org
- Wiki tutorials
- Communication
 - bugzilla comments
 - o IRC
 - o forum
- Devs hierarchy meritocracy, divided to roles:
 - mentors
 - release drivers
 - ultimate decision-makers
 - 0 ..

Bug #1111663 [lang=js] [good first bug]

Bug 1111663 - [JavaScript Error: "TypeError: button.onClicked is not a

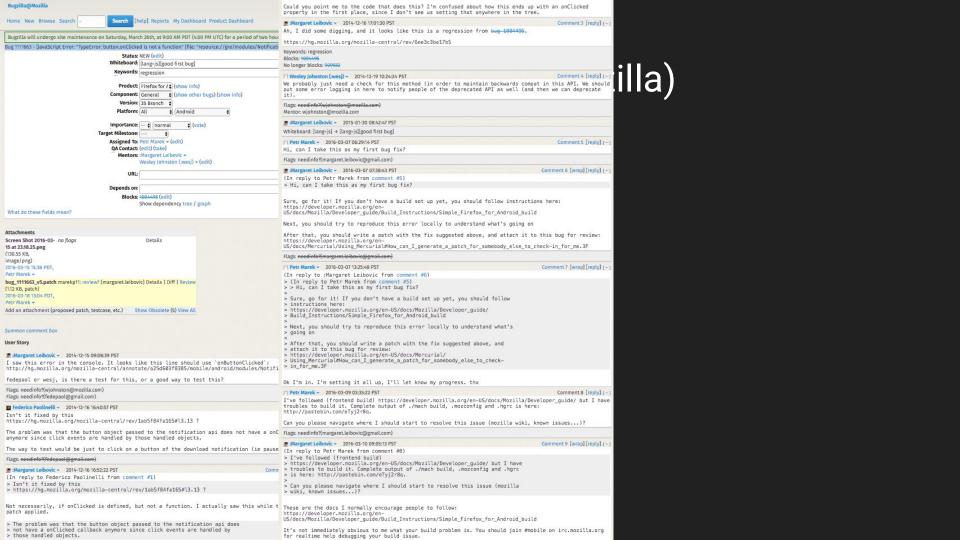
function" {file: "resource://gre/modules/Notifications.jsm" line: 236}]



Communication with mentor (bugzilla)

```
Bugzilla@Mozilla
                                              [help] Reports My Dashboard Product Dashboard
 Home New Browse Search
Bugzilla will undergo site maintenance on Saturday, March 26th, at 9:00 AM PDT (4:00 PM UTC) for a period of two hours. The site may be unavaila
Bug 1111663 - [JavaScript Error: "TypeError: button.onClicked is not a function" (file: "resource: //gre/modules/Notifications.jsm" line: 236]] (edit)
                                      Whiteboard: [lang=js][good first bug]
                                        Keywords: regression
                                          Product: Firefox for / $ (show info)
                                       Component: General (show other bugs) (show info)
                                          Version: 35 Branch &
                                         Platform: All
                                                             Android
                                       Importance: -- * normal
                                   Target Milestone: ---
                                       Assigned To: Petr Marek + (edit)
                                       QA Contact: (edit) (take)
                                          Mentors: :Margaret Leibovic +
                                                 Wesley Johnston (:wesi) + (edit)
                                             URL:
                                       Depends on:
                                           Blocks: 1004495 (edit)
                                                 Show dependency tree / graph
 What do these fields mean?
Attachments
Screen Shot 2016-03- no flags
15 at 23.18.25.png
(130.55 KB,
image/png)
2016-03-15 15:38 PDT,
Petr Marek +
bug_1111663_v5.patch marekp11: review? (margaret.leibovic) Details | Diff | Review
(1.12 KB, patch)
2016-03-18 13:04 PDT.
Add an attachment (proposed patch, testcase, etc.) Show Obsolete (5) View All
Summon comment box
User Story
                                                                                                     Description [reply] [-]
Margaret Leibovic - 2014-12-15 09:08:39 PST
 I saw this error in the console. It looks like this line should use 'onButtonClicked':
http://hq.mozilla.org/mozilla-central/annotate/a25d603f8385/mobile/android/modules/Notifications.jsm#l236
 fedepaol or wesj, is there a test for this, or a good way to test this?
Flags: needinfo?(wjohnston@mozilla.com)
Flags: needinfo?(fedepaol@gmail.com)
Federico Paolinelli - 2014-12-16 16:40:57 PST
                                                                                                      Comment 1 [reply] r-1
Isn't it fixed by this
https://hq.mozilla.org/mozilla-central/rev/lab5f84fa165#l3.13 ?
 The problem was that the button object passed to the notification api does not have a onClicked callback
 anymore since click events are handled by those handled objects.
The way to test would be just to click on a button of the download notification (ie pause or resume).
Flags: needinfo?(fedeoaol@gmail.com)
# :Margaret Leibovic - 2014-12-16 16:52:22 PST
                                                                                                Comment 2 [wrap] [reply] 1-1
(In reply to Federico Paplinelli from comment #1)
 > https://hq.mozilla.org/mozilla-central/rev/lab5f84fa165#13.13 ?
Not necessarily, if onClicked is defined, but not a function. I actually saw this while testing with that
 > The problem was that the button object passed to the notification api does
 > not have a onClicked callback anymore since click events are handled by
 > those handled objects.
```

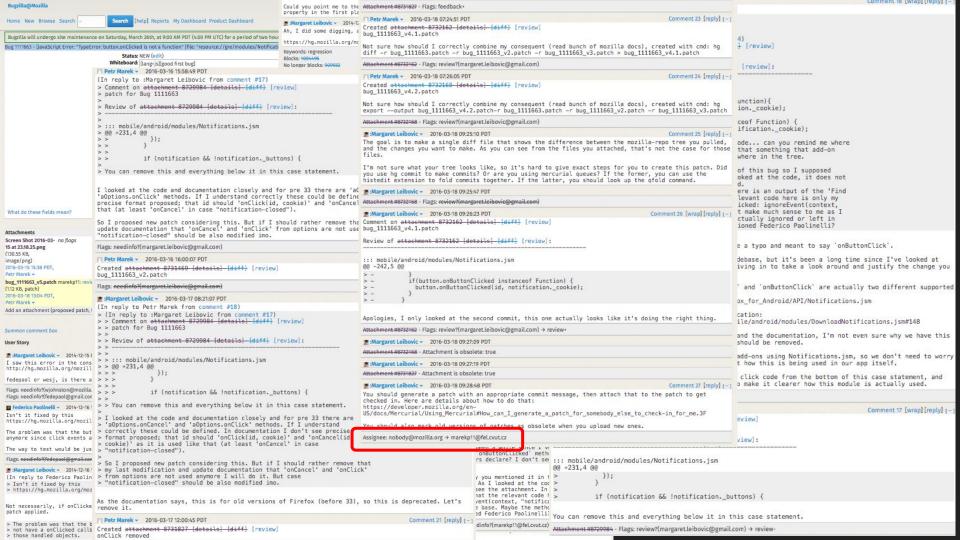
ith mentor (bugzilla)

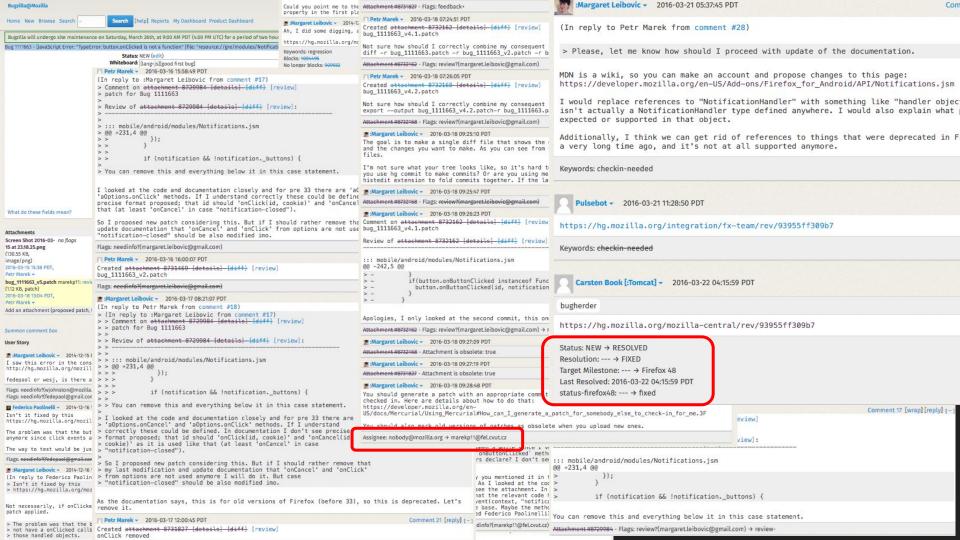


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Bugzilla@Mozilla	Could you point me to the code that does this? I'm cor property in the first place, since I don't see us sett	Petr Marek + 2016-03-10 17:02:33 PST
Home New Browse Search Search [help] Reports My Dashboard Product Dashboard	Margaret Leibovic - 2014-12-16 17:01:30 PST	My issue with build was because of the exFAT drive I cloned the repo on. Main indicator that something wasn't right was repo's size 56Gi. There was a problem with symlink creation and build silently crashed.
Bugzilla will undergo site maintenance on Saturday, March 26th, at 9:00 AM PDT (4:00 PM UTC) for a period of two hor	Ah, I did some digging, and it looks like this is a re	Now on OS X Extended drive it looks ok (4.5GiB), run Ok.
	 https://hq.mozilla.org/mozilla-central/rev/6ee3c3ba17t 	Petr Marek > 2016-03-13 09:45:15 PDT Comment 11 [reply] [-]
Bug 1111663 - [JavaScript Error: "TypeError: button.onClicked is not a function" [file: "resource://gre/modules/Notifical	Keywords: regression	Created attachment 8729984 (details) [diff] [review]
Status: NEW (edit)	Blocks: 1004495	patch for Bug 1111663
Whiteboard: [lang=js][good first bug]	No longer blocks: 909932	
Keywords: regression		I added suggested tests whether is it a function for both properties (button.onClicked, button.onButtonClicked). Adding log message was also suggested, but I only found this way to log, not sure
Product: Firefox for ℓ♦ (show info)	☐ Mesley Johnston (swesj) ~ 2014-12-19 10:24:24 PST We probably just need a check for this method (in orde put some error logging in here to notify people of the	that this is suitable for deprecation warning (or other type?): "Services.console.logStringMessage(msg)". Is there a convention for log messages format?
Component: General (show other bugs) (show info)	it).	Thx for your review.
Version: 35 Branch 💠	Flags: needinfo?(wighnston@mozilla.com)	Attachment #8729984 - Flags: review+
Platform: ALL + Android +	Mentor: wjohnston@mozilla.com	
	#:Margaret Leibovic = 2015-01-30 08:42:47 PST	<u>*</u> :Margaret Leibovic → 2016-03-14 07:34:06 PDT Comment 12 [reply] [-]
Importance: + normal + (vote)		Comment on attachment 8729984 [details] [diff] [review]
Target Milestone: \$	Whiteboard: [lang=js] → [lang=js][good first bug]	patch for Bug 1111663
Assigned To: Petr Marek + (edit)	Petr Marek + 2016-03-07 06:29:14 PST	You should request review from a reviewer, not set review+ yourself. In the case, I'm an appropriate
QA Contact: (edit) (take)	Hi, can I take this as my first bug fix?	reviewer.
Mentors: :Margaret Leibovic + Wesley Johnston (:wesj) + (edit)	Flags: needinfo?(margaret.leibovic@gmail.com)	Attachment #8729984 - Flags: review+ → review?(margaret.leibovic@gmail.com)
	■ :Margaret Leibovic + 2016-03-07 07:38:43 PST	Petr Marek + 2016-03-14 10:46:15 PDT Comment 13 [reply] [-]
URL:	(In reply to Petr Marek from comment #5)	Yes, sorry, I did not fully understood that flag. So, will you give me a feedback?
Depends on:	> Hi, can I take this as my first bug fix?	
	-	<u>▼</u> :Margaret Leibovic → 2016-03-14 14:45:27 PDT Comment 14 [wrap] [reply] [-]
Blocks: 7004495 (edit)	Sure, go for it! If you don't have a build set up yet,	Comment on attachment 8729984 [details] [diff] [review]
Show dependency tree / graph	https://developer.mozilla.org/en-	patch for Bug 1111663
What do these fields mean?	US/docs/Mozilla/Developer_guide/Build_Instructions/Sim	Review of attachment 8729984 (details) [diff] [review]:
	Next, you should try to reproduce this error locally t	
Attachments		
	After that, you should write a patch with the fix sugg	
Screen Shot 2016-03- no flags Details 15 at 23.18.25.png	https://developer.mozilla.org/en- US/docs/Mercurial/Using Mercurial#How_can_I generate_a	@ +240,5 @@
15 at 23.18.25.png (130.55 KB,		> + If (button/onettened instanced) Function/(
image/png)	Flags: needinfo?(margaret.leibovic@gmail.com)	> + button.onClicked(id, notificationcookie);
2016-03-15 15:38 PDT.	Petr Marek + 2016-03-07 13:25:48 PST	> + if(button.onButtonClicked instanceof Function) {
Petr Marek +	(In reply to :Margaret Leibovic from comment #6)	> + button.onButtonClicked(id, notificationcookie);
bug_1111663_v5.patch marekp11: review? (margaret.leibovic) Details Diff Review	> (In reply to Petr Marek from comment #5)	
(1.12 KB, patch)	> > Hi, can I take this as my first bug fix?	It's been a while since I've looked at this code can you remind me where this `onButtonClicked` method
2016-03-18 13:04 PDT,	> Sure, on for it! If you don't have a build cot up yo	comes from? Is that something that add-on authors declare? I don't see this defined anywhere in the tree.
Petr Marek +	> instructions here:	The state of the s
Add an attachment (proposed patch, testcase, etc.) Show Obsolete (5) View All	> https://developer.mozilla.org/en-US/docs/Mozilla/Dev	■ searSurer remonar = - \textit{\textit{ZO 10-03-13 \textit{\textit{INSTABLE}}} \rightarrow \textit{\texti\textit{\textit{\textit{\textit{\textit{\textit{\textit{\textit{\textit{\textit{\te
	> Build_Instructions/Simple_Firefox_for_Android_build	Flags: needinfo?(marekp11@fel.cvut.cz)
	> Next, you should try to reproduce this error locally	Petr Marek - 2016-03-15 15:38:59 PDT Comment 15 [wrap] [reply] [-]
Summon comment box	> going on	Created attachment 8739949 [details]
User Story	> After that, you should write a patch with the fix so	Screen Shot 2016-03-15 at 23.18.25.ong
	> attach it to this bug for review:	
■ :Margaret Leibovic ■ 2014-12-15 09:08:39 PST	> https://developer.mozilla.org/en-US/docs/Mercurial/	(In reply to :Margaret Leibovic from comment #14)
I saw this error in the console. It looks like this line should use 'onButtonClicked':	> Using_Mercurial#How_can_I_generate_a_patch_for_somel > in_for_me.3F	
http://hg.mozilla.org/mozilla-central/annotate/a25d603f8385/mobile/android/modules/Notif		> patch for Bug 1111663
fedepaol or wesj, is there a test for this, or a good way to test this?	Ok I'm in. I'm setting it all up, I'll let know my pro	> Review of attachment 8729984 (details) (diff) [review]:
Flags: needinfo?(wjohnston@mozilla.com)		>
Flags: needinfo?(fedepaol@gmail.com)	Petr Marek = 2016-03-09 03:35:22 PST	>
	I've followed (frontend build) https://developer.mozil	> 00 +240.5 00
■ Federico Paolinelli → 2014-12-16 16:40:57 PST	troubles to build it. Complete output of ./mach build, http://pastebin.com/eTyj2r8q.	
Isn't it fixed by this https://hg.mozilla.org/mozilla-central/rev/lab5f84fa165#l3.13 ?		>> + button.onClicked(id, notificationcookie);
	Can you please navigate where I should start to resolv	<pre>>> + } >> + if(button.onButtonClicked instanceof Function) {</pre>
The problem was that the button object passed to the notification api does not have a on	Flags: needinfo?(margaret.leibovic@gmail.com)	>> + intourron.onBurrontlicked instanceor runction) { >> + burton.onBurrontlicked(id, notification_cookie);
anymore since click events are handled by those handled objects.	Margaret Leibovic - 2016-03-10 09:05:13 PST	>
The way to test would be just to click on a button of the download notification (ie paus	(In reply to Petr Marek from comment #8)	> It's been a while since I've looked at this code can you remind me where
Flags: needinfo?(fedepaol@gmail.com)	> I've followed (frontend build)	> this `onButtonClicked` method comes from? Is that something that add-on > authors declare? I don't see this defined anywhere in the tree.
	> https://developer.mozilla.org/en-US/docs/Mozilla/Der > troubles to build it. Complete output of ./mach buil	Control of the Contro
<u>*</u> *Margaret Leibovic → 2014-12-16 16:52:22 PST Com (In reply to Federico Paolinelli from comment #1)	> is here: http://pastebin.com/eTyj2r8q.	Actually you mentioned it in the first comment of this bug so I supposed that should be a check for this
> Isn't it fixed by this	>	
> https://hg.mozilla.org/mozilla-central/rev/lab5f84fa165#l3.13 ?	> Can you please navigate where I should start to results is wiki, known issues)?	Please see the attachment. In the screenshot there is an output of the 'Find in path' for this method. I
	manay modification ()	think that the relevant code here is only my check for method existence and line 'onButtonClicked:
Not necessarily, if onClicked is defined, but not a function. I actually saw this while	There are the docs I normally encourage accels to fall	ignoreEvent(context, "notifications onButtonClicked")' which does not make much sense to me as I don't know I the code base. Maybe the method is actually ignored or left in the code base for compatibility reasons as
the state of the s	These are the docs I normally encourage people to foll https://developer.mozilla.org/en-	mentioned Federico Paolinelli?
patch applied.		
	US/docs/Mozilla/Developer_guide/Build_Instructions/Sim	A CONTROL OF THE CONT
patch applied. > The problem was that the button object passed to the notification api does > not have a onClicked callback anymore since click events are handled by	US/docs/Mozilla/Developer_guide/Build_Instructions/Sim It's not immediately obvious to me what your build pro	Flags: needinfo?(marekp1)@fel.cvut.cz) -> needinfo?(margaret.leibovic@gmail.com)

Bugzilla@Mozilla	Could now exist on the three and then there this? The sec	riags, necamino-ținargarecticioovie[a/gir	■ :Margaret Leibovic + 2016-03-16 14:20:13 PD1	Comment to [wrap] [repty] [-]	
ougenta@moznia	Could you point me to the code that does this? I'm com property in the first place, since I don't see us sett	Petr Marek - 2016-03-10 17:02:33 P	(In reply to Petr Marek from comment #15)		
Home New Browse Search Search [help] Reports My Dashboard Product Dashboard	Margaret Leibovic → 2014-12-16 17:01:30 PST Ah, I did some digging, and it looks like this is a re	My issue with build was because wasn't right was repo's size !	> Created attachment 8730949 [details] > Screen Shot 2016-03-15 at 23.18.25.png		
Bugzilla will undergo site maintenance on Saturday, March 26th, at 9:00 AM PDT (4:00 PM UTC) for a period of two hour			> (In cools to sMacracet Laibourg from commant #14)		
Bug 1111663 - [JavaScript Error: "TypeError: button.onClicked is not a function" [file: "resource://gre/modules/Notificati	https://hg.mozilla.org/mozilla-central/rev/6ee3c3ba17t	Petr Marek - 2016-03-13 09:45:15 P			
Status: NFW (edit)	Keywords: regression	Created attachment 8729984 [de	>> Comment on attachment 8/29984 [details] [diff] [review] >> patch for Bug 1111663		
Whiteboard: [lang=js][good first bug]	Blocks: 1004495	patch for Bug 1111663	>>		
	No longer blocks: 909932	I added suggested tests whether	> > Review of attachment 8729984 [details] [diff] [review]:		
Keywords: regression	Wesley Johnston (:wesj) = 2014-12-19 10:24:24 PST	button.onButtonClicked). Addis	>>		
Product: Firefox for / ♦ (show info)	We probably just need a check for this method (in orde	that this is suitable for dep	>> ::: mobile/android/modules/Notifications.jsm		
Component: General \$ (show other bugs) (show info)	put some error logging in here to notify people of the it).		>> 00 +240,5 00		
Version: 35 Branch &			>>> + if(button.onClicked instanceof Function){		
Platform: All \$ Android \$	Flags: needinfo?(wjohnston@mozilla.com)	Attachment #8729984 - Flags: review+	>>> + button.onClicked(id, notificationcookie);		
Placerin. Mat & Mildred &	Mentor: wjohnston@mozilla.com	:Margaret Leibovic - 2016-03-14 07	>>>+ }		
Importance: \$ normal \$ (vote)	<u> # :Margaret Leibovic</u> → 2015-01-30 08:42:47 PST	Comment on attachment 8729984	>>> + if(button.onButtonClicked instanceof Function) {		
Target Milestone: •	Whiteboard: [lang=js] → [lang=js][good first bug]	patch for Bug 1111663	>>> + button.onButtonClicked(id, notificationcookie);		
Assigned To: Petr Marek = (edit)	F1 Petr Marek + 2016-03-07 06:29:14 PST	You should request review from	>> It's been a while since I've looked at this code can you remind	me where	
QA Contact: (edit) (take)	Hi, can I take this as my first bug fix?	reviewer.	>> this 'onButtonClicked' method comes from? Is that something that a		
Mentors: :Margaret Leibovic →	Flags: needinfo?(margaret.leibovic@gmail.com)	Attachment #8729984 - Flags: review+ -	to a subbase declared T deals on this defined any hors in the tone	70070	
Wesley Johnston (:wesj) → (edit)		ritinal garecter book (agricultural)			
URL:	■ :Margaret Leibovic + 2016-03-07 07:38:43 PST	Petr Marek + 2016-03-14 10:46:15 P	> Actually you mentioned it in the first comment of this bug so I supp	osea does not	
mas ACC	(In reply to Petr Marek from comment #5) > Hi, can I take this as my first bug fix?	Yes, sorry, I did not fully ur > that should be a check for this method. As I looked at the co		does not	
Depends on:	- ma, cell I take this as my lifst bug lix?	# :Margaret Leibovic - 2016-03-14 14	- > seems that this onbuttonclicked method is used. 14 > Please see the attachment. In the screenshot there is an output of the 'Find		
Blocks: 1004495 (edit)	Sure, go for it! If you don't have a build set up yet,	Comment on attachment 8729984	> in path' for this method. I think that the relevant code here is o		
Show dependency tree / graph	https://developer.mozilla.org/en-	patch for Bug 1111663	> check for method existence and line 'onButtonClicked: ignoreEvent(co		
What do these fields mean?	US/docs/Mozilla/Developer_guide/Build_Instructions/Sim	Review of attachment 8729984	> "notifications.onButtonClicked")' which does not make much sense to	ne as I	
	Next, you should try to reproduce this error locally t		> don't know the code base. Maybe the method is actually ignored or le > the code base for compatibility reasons as mentioned Federico Paolin	ft in	
Attachments			· · · · · · · · · · · · · · · · · · ·	ettir	
Screen Shot 2016-03- no flags Details	After that, you should write a patch with the fix sugg	@8 +240,5 @8			
15 at 23.18.25.png	US/docs/Mercurial/Using_Mercurial#How_can_I_generate_a	> + if(button.onClic	Looking at the code, it looks like I probably made a typo and meant to	say `onButtonClick`.	
(130.55 KB,	Flags: needinfo?(margaret.leibovic@gmail.com)	> + button.onClick			
image/png)		>+ }	I understand that you're not familiar with the codebase, but it's been		
2016-03-15 15:38 PDT,	Petr Marek - 2016-03-07 13:25:48 PST	> + if(button.onButto > + button.onButto	this myself. Part of the job of fixing a bug is diving in to take a lo	ok around and justify the change you	
Petr Marek +	(In reply to :Margaret Leibovic from comment #6) > (In reply to Petr Marek from comment #5) > > Hi, can I take this as my first bug fix? >	Durton.onButto	Looking at the decumentation. I can that 'enClick' and 'enButtanClick' are actually two different of		
bug_1111663_v5.patch marekp11: review? (margaret.leibovic) Details Diff Review (1.12 KB, patch)		****			
2016-03-18 13:04 PDT.		It's been a while since I've comes from? Is that something	notification handler methods:		
Petr Marek +	<pre>> Sure, go for it! If you don't have a build set up yr > instructions here: > https://developer.mozilla.org/en-US/docs/Mozilla/Der > Build_Instructions/Simple_Firefox_for_Android_build</pre>		https://developer.mozilla.org/en-US/Add-ons/Firefox_for_Android/API/Notifications.jsm urgaretLeibovic = 2016-03-15 10		
Add an attachment (proposed patch, testcase, etc.) Show Obsolete (5) View All		Margaret Leibovic = 2016-03-15 10			
		Flags: needinfo?(marekp11@fel.cvut.cz)	And you can see how we use them in DownloadNotification: http://mxr.mozilla.org/mozilla-central/source/mobile/android/modules/DownloadNotifications.jsm#1		
Summon comment hox	> Next, you should try to reproduce this error locally		nttp://mxr.mozitta.org/mozitta-centrat/source/mobile/android/modutes/bowntoadwotifications.jsmwj		
Senting Contract Day	> going on >	Created attachment 8730949 [de	Spending even more time thinking about this code and the documentation	, I'm not even sure why we have this	
User Story	> After that, you should write a patch with the fix so	Screen Shot 2016-03-15 at 23.	button.onClick call at all here seems like it should be removed.		
■ :Margaret Leibovic → 2014-12-15 09:08:39 PST	<pre>> attach it to this bug for review: > https://developer.mozilla.org/en-US/docs/Mercurial/</pre>	(In reply to :Margaret Leibov	Looking in our add-ons MXR, I don't even see any add-ons using Notific	ations ism so we don't need to work	
I saw this error in the console. It looks like this line should use 'onButtonClicked':	> using mercuria conow_can_i_generate_a_patch_for_somet	> Comment on attachment 87299	about add-on compatibility, but should think about how this is being u	sed in our ann itself.	
http://hg.mozilla.org/mozilla-central/annotate/a25d603f8385/mobile/android/modules/Notifi	> in_for_me.3F	> patch for Bug 1111663	and the second state of the second states about now this is being to	and an appropriate the second	
fedepaol or wesj, is there a test for this, or a good way to test this?	Ob Tip in Tip costing is all an Till Inch	> Review of attachment 872998	In conclusion, you should just remove this button click code from the	bottom of this case statement, and	
Flags: needinfo?(wjohnston@mozilla.com)	Ok I'm in. I'm setting it all up, I'll let know my pro	>	you should neth update the documentation on Mon to make it clearer now	this module is actually used.	
Flags: needinfor(wjonnston@mozitta.com) Flags: needinfor(fedepaol@gmail.com)	Petr Marek - 2016-03-09 03:35:22 PST I've followed (frontend build) https://developer.mozil	>	Flags: needinfo?(margaret.leibovic@gmail.com)		
	I've followed (frontend build) https://developer.mozil troubles to build it. Complete output of ./mach build,				
■ Federico Paolinelli → 2014-12-16 16:40:57 PST	http://pastebin.com/eTyj2r8q.	>>+ if(outton.onct		Comment 17 [wrap] [reply] [-]	
Isn't it fixed by this https://hg.mozilla.org/mozilla-central/rev/lab5f84fa165#l3.13 ?	Can you please navigate where I should start to resolv	>> + button.onCli	Comment on attachment 8729984 [details] [diff] [review]		
		>> + if(button.onBu	patch for Bug 1111663		
The problem was that the button object passed to the notification api does not have a onC anymore since click events are handled by those handled objects.	riags: needinto/(margaret.leibovic@gmail.com)	>> + button.onBut	Review of attachment 8729984 [details] [diff] [review]:		
	■ :Margaret Leibovic ■ 2016-03-10 09:05:13 PST	> It's been a while since I'v			
The way to test would be just to click on a button of the download notification (ie pause	(In reply to Petr Marek from comment #8)	> this 'onButtonClicked' meth			
Flags: needinfo?(fedepaol@gmail.com)	> I've followed (frontend build) > https://developer.mozilla.org/en-US/docs/Mozilla/Developer.mozilla/Developer.mozilla/		::: mobile/android/modules/Notifications.jsm		
<u>■</u> :Margaret Leibovic + 2014-12-16 16:52:22 PST Comm	> troubles to build it. Complete output of ./mach bui		@0 +231,4 @0		
(In reply to Federico Paolinelli from comment #1)	> is here: http://pastebin.com/eTyj2r8q.	Actually you mentioned it in	> , 1);		
<pre>> Isn't it fixed by this > https://hg.mozilla.org/mozilla-central/rev/1ab5f84fa165#l3.13 ?</pre>	> Can you please navigate where I should start to resu	method. As I looked at the coo Please see the attachment. In	2 1		
> nexp3.77 ng.mvz1cta.01g/mvz1tta-tentrat/rev/180310418103#13.13 :	> wiki, known issues)?	think that the relevant code !	> if (notification && !notification, buttons) {		
Not necessarily if onflicked is defined but not a function. I actually say this while t		innoreEvent(context "notific:			
Not necessarily, if onClicked is defined, but not a function. I actually saw this while t patch applied.	These are the docs I normally encourage people to foll https://developer.mozilla.org/en-	the code base. Maybe the methor mentioned Federico Paolinelli			
	US/docs/Mozilla/Developer_guide/Build_Instructions/Sim		The can remove this and everything below it in this case statement.		
> The problem was that the button object passed to the notification api does > not have a onClicked callback anymore since click events are handled by	It's not immediately obvious to me what your build pro	Flags: needinfo?(marekp11@fel.cvut.cz)	Attachment #8729984 - Flags: review?(margaret.leibovic@gmail.com) → review-		
> not have a onclicked callback anymore since click events are nanoled by > those handled objects.	for realtime help debugging your build issue.		American was \$5504 - Linday Lealers: fund Barerrein out of Manual County & Lealers.		
	in the accordary lost nates 1990c.				

Bugzilla@Mozilla		Could not be the and that does think to	necamo.(margareencibovie@5n	■ Margaret Leibovic → 2016-03-16 14:20:13 PD1	Comment to [wrap] [repty] [-	
ouganta@moznid		Could you point me to the code that does this? I'm cor property in the first place, since I don't see us sett Pet	r Marek + 2016-03-10 17:02:33 P	(In reply to Petr Marek from comment #15)		
Home New Browse Search Search [help] Reports My Dashboard Product Dashboard		My issue with build wa		e! > Screen Shot 2016-03-15 at 23.18.25.png		
Bugzilla will undergo site maintenance	e on Saturday, March 26th, at 9:00 AM PDT (4:00 PM UTC) for a period of two hour	Any I did some digging, and it tooks the third is a fellow t	os x extended drive it	> (In reply to :Margaret Leibovic from comment #14)		
Bug 1111663 - [JavaScript Error: "TypeErr	ror: button.onClicked is not a function" {file: "resource://gre/modules/Notificati	https://hg.mozilla.org/mozilla-central/rev/6ee3c3ba17t Pel	r Marek - 2016-03-13 09:45:15 P	> (In reply to :Margaret Leibovic from comment #14) > > Comment on attachment 8729984 [details] [diff] [review]		
	Status: NEW (edit)	Keywords: regression	ted attachment 8729984 (d n for Bug 1111663	>> patch for Bug 1111663		
	Whiteboard: [lang=js][good first bug]					
	Petr Marek - 2016-03-16 15:58:49 PDT	Comment 18 [wrap] [reply] [suggested tests whether onButtonClicked). Addi	>> Review of attachment 8729984 [details] [diff] [review]:		
	(In reply to :Margaret Leibovic from comment #17)		is is suitable for dep	>>		
> Comment on attachment 8729984 [details] [diff] [re		riew]	a convention for log	>> ::: mobile/android/modules/Notifications.jsm		
	> patch for Bug 1111663		your review.	>> @@ +240,5 @@ >>> + if(button.onClicked instanceof Function){		
	> Review of attachment 8729984 [details] [diff] [revi	iew]:	nt #8729984 - Flags: review+	>>> + button.onClicked(id, notificationcookie);		
> :: mobile/android/modules/Notifications > @@ +231,4 @@			ret Leibovic * 2016-03-14 03 on attachment 8729984 or Bug 1111663	<pre>>> > + if(button.onButtonClicked instanceof Function) { >> > + button.onButtonClicked(id, notificationcookie);</pre>		
	>> }); >> }		uld request review from	<pre>>> > It's been a while since I've looked at this code can you remind me >> this `onButtonClicked` method comes from? Is that something that add-</pre>		
	>> if (notification && !notificationbutto	ons) {	nt #8729984 - Flags: review+ -	> > authors declare? I don't see this defined anywhere in the tree.		
	> You can remove this and everything below it in this	case statement.	rek = 2016-03-14 10:46:15 P	P > Actually you mentioned it in the first comment of this bug so I supposed > that should be a check for this method. As I looked at the code, it does not		
	I looked at the code and documentation closely and fo	r pre 33 there are 'aOptions.onCancel' and		<pre>> seems that this `onButtonClicked` method is used. > Please see the attachment. In the screenshot there is an output of the</pre>		
	'aOptions.onClick' methods. If I understand correctly	these could be defined. In documentation I don't see	on attachment 9730094	> in path' for this method. I think that the relevant code here is only	ту	
	precise format proposed; that id should 'onClick(id, that (at least 'onCancel' in case "notification-close	cookie)' and 'onCancel(id, cookie)' as it is used li	ce or Bug 1111663	> check for method existence and line 'onButtonClicked: ignoreEvent(contex	xt,	
What do these fields mean?			of attachment 8720084	> "notifications.onButtonClicked")' which does not make much sense to me a > don't know the code base. Maybe the method is actually ignored or left;	in	
	So I proposed new patch considering this. But if I sh update documentation that 'onCancel' and 'onClick' fr	ould rather remove that my last modification and		> the code base for compatibility reasons as mentioned Federico Paolinell:	i?	
Actacimients	"notification-closed" should be also modified imo.	on operons are not used anymore I witt do it. But ca	ile/android/modules/No			
Screen Shot 2016-03- no flags 15 at 23.18.25.png			,5 @@	Looking at the code, it looks like I probably made a typo and meant to say	onButtonClick'.	
15 at 23.18.25.png (130.55 KB,	Flags: needinfo?(margaret.leibovic@gmail.com)		if(button.onClic button.onClick	CI ka		
image/png)	Petr Marek - 2016-03-16 16:00:07 PDT	Comment 19 [reply] [-1	I understand that you're not familiar with the codebase, but it's been a l	long time since I've looked at	
2016-03-15 15:38 PDT, Petr Marek +	Created attachment 8731469 [details] [diff] [review] bug_1111663_v2.patch		button.onButt	ti this myself. Part of the job of fixing a bug is diving in to take a look around and justify the change you on made :)		
bug_1111663_v5.patch marekp11: revie	Flags: needinfo?(margaret.leibovic@gmail.com)			Looking at the decumentation. I see that 'enflich' and 'enputtenflich' are actually the differ		
(1.12 KB, patch) 2016-03-18 13:04 PDT.			en a while since I've	notification handler methods: https://developer.mozilla.org/en-US/Add-ons/Firefox_for_Android/API/Notifications.jsm		
Petr Marek +	■ :Margaret Leibovic > 2016-03-17 08:21:07 PDT	Comment 20 [wrap] [reply] [
Add an attachment (proposed patch, I	(In reply to Petr Marek from comment #18) > (In reply to :Margaret Leibovic from comment #17)		ret Leibovic + 2016-03-15 10	And you are not become the property of the pro		
	> Comment on attachment 8729984 [details] [diff] [review]	dinfo?(marekp11@fel.cvut.cz)	And you can see how we use them in DownloadNotification: http://mxr.mozilla.org/mozilla-central/source/mobile/android/modules/Downl	loadNotifications.jsm#148	
Summon comment box	> > patch for Bug 1111663	290 BOHT	arek - 2016-03-15 15:38:59 P	The state of the s		
>>		eview):	attachment 8730949 [d	de Spending even more time thinking about this code and the documentation, I'm not even sure why we		
User Story	>>		5HOT 2010-03-15 at 23.	button.onClick call at all here seems like it should be removed.		
:Margaret Leibovic - 2014-12-15 (ly to :Margaret Leibov	Looking in our add-ons MXR, I don't even see any add-ons using Notification	ons.jsm, so we don't need to worry	
I saw this error in the cons http://hg.mozilla.org/mozill >> %0 +231,4 00			nt on attachment 87299 for Bug 1111663	about add-on compatibility, but should think about how this is being used	in our app itself.	
, , , , , , , , , , , , , , , , , ,	>>> });			In conclusion, you should just remove this button click code from the bott	tom of this case statement. and	
fedepaol or wesj, is there a	> > >		w of attachment 872998	you should help update the documentation on MDN to make it clearer how this		
Flags: needinfo?(wjohnston@mozilla. Flags: needinfo?(fedepaol@gmail.com	>>		obile/android/modules/	Flags: needinfo?(margaret.leibovic@gmail.com)		
Federico Paolinelli - 2014-12-16 1	>> You can remove this and everything below it in th	nis case statement.	40,5 @@	:Margaret Leibovic - 2016-03-16 14:21:01 PDT	Comment 17 [wrap] [reply] (-1	
Isn't it fixed by this https://hg.mozilla.org/mozil	> auptions.oncance: and auptions.onclick methods.	If I understand	button.onCli	Comment on attachment 9720094 [details] [diff] [review]	commence a famous trebost (-)	
The problem was that the but anymore since click events a	> correctly these could be defined. In documentation > format proposed; that id should 'onClick(id, cookie	I don't see precise)' and 'onCancel(id,	if(button.onBu button.onBut	Parch for Bug 1111663 Review of attachment 8729984 [details] [diff] [review]:		
The way to test would be ius	<pre>> cookie)' as it is used like that (at least 'onCance > "notification-closed").</pre>	et, tu case	been a while since I'v			
Flags: needinfo?(fedepaol@gmail.cor	>		'onButtonClicked' meth	::: mobile/android/modules/Notifications.jsm		
	> So I proposed new patch considering this. But if I > my last modification and update documentation that	should rather remove that	a sectorer 2 don't se	@8 +231,4 @8		
(In reply to Federico Paplin	> from options are not used anymore I will do it. But	Case	y you mentioned it in	The state of the s		
> Isn't it fixed by this	> "notification-closed" should be also modified imo.		As I looked at the co-	> }		
> https://hg.mozilla.org/moz			see the attachment. In nat the relevant code	> if (notification && !notificationbuttons) {		
Not necessarily, if onClicke	As the documentation says, this is for old versions of	f Firefox (before 33), so this is deprecated. Let's	vent(context, "notific			
patch applied.	remove it.		2 base. Maybe the meth- 2d Federico Paolinelli	You can remove this and everything below it in this case statement.		
> The problem was that the b	Petr Marek - 2016-03-17 12:00:45 PDT	Comment 21 [reply] [dinfo?(marekp11@fel.cvut.cz)			
> not have a onClicked callb	Created attachment 8731827 [details] [diff] [review]		umor(marekp) (@rel.cvut.cz)	Attachment #8729984 - Flags: review?(margaret.leibovic@gmail.com) → review-		
> those handled objects.	onClick removed					





Lastest patch (release in 48.0a1)

```
bug_1111663_v5.patch
                      [----] 0 L:[ 1+ 0
                                             1/ 34] *(0
                                                           /1147b)
                                                                     35 0x023
# HG changeset patch
# User Petr Marek <marekp11@fel.cvut.cz>
# Parent 9c5d494d05485aebf3fedf649abc0e7ae9d2dcf2
Bug 1111663 - Removed calling of an obsolete onClicked method.
diff --git a/mobile/android/modules/Notifications.jsm b/mobile/android/modules/Notifications.jsm
   a/mobile/android/modules/Notifications.jsm
+++ b/mobile/android/modules/Notifications.ism
00 - 226, 24 +226, 16 00 var Notifications = {
         break:
       case "notification-button-clicked":
         If (handlerKey) {
           _handlersMap[handlerKey].forEach(function(handler) {
             handler.onButtonClick(data.buttonid, cookie);
           D:
         if (notification && !notification._buttons) {
           break:
         let button = notification. _buttons[data.buttonid];
         If (button && button, onClicked) [
           button.onClicked(id, notification, _cookie);
         break;
       case "notification-cleared":
       case "notification-closed":
```

Learned tips

- Do not clone a repo to exFAT filesystem.
 - 4.5GiB -> 56GiB
 - No symlinks
- Use IRC for real-time communication
- When contributing to mozilla projects
 - o learn **hg** (mercurial) a bit
 - Patch creation
 - Patch fold
 - Patch diffs