& Maniphest > T232932 Create Task

✓ User content can redirect the logout button to different URL (CVE-2020-10959)

☑ Closed, Resolved ☑ Public

Actions

Assigned To sbassett Authored By Fomafix 2019-09-14 19:43:59 (UTC+0) ■ MediaWiki-Interface (Backlog) Security Security-Team (In Progress) ♥ MW-1.35-notes (1.35.0-wmf.26; 2020-03-31) Referenced Files F31613044: T232932-rev3.patch 2020-02-12 18:00:19 (UTC+0) F31611278: T232932-rev2.patch 2020-02-12 15:39:44 (UTC+0) F31608866: T232932.patch 2020-02-11 23:11:12 (UTC+0) Subscribers Aklapper Fomafix Jdlrobson Krinkle Ladsgroup View All 9 Subscribers

Description

Steps to reproduce

Put the following wiki text into a wiki page:

<div id="pt-logout">[https://www.example.com/ click]</div>

- Log in the wiki.
- Load the page with the rendered wiki text.
- Click on the logout button.
- -> The user get logged out.
- -> The browser redirects to https://www.example.com/

Expected behavior

It should not possible to change the target of an interface button by user content.

Mitigation

https://gerrit.wikimedia.org/r/536725 (rMWd4a552e65bdf) by @Krinkle mitigates this issue.

The button in the user content still logs out. Mitigation for this is to add data-mw="interface" as HTML attribute to the logout button and add [data-mw="interface"] to the jQuery selector for selecting the button.

Details Subject Project y mediawiki/core SECURITY: Better controls for logout interface buttons P mediawiki/core SECURITY: Better controls for logout interface buttons Customize query in gerrit



San's	Fomafix created this task. 2019-09-14 19:43:59 (UTC+0)	
<u> 2</u> .	Restricted Application added a subscriber: Aklapper. · View Herald Transcript 2019-09-14 19:44:01 (UTC+0)	
(gar)		
<u>.</u>		
æ		
æ	Aklapper added a project: MediaWiki-General. 2019-09-14 21:52:16 (UTC+0)	
(gr	Fomafix updated the task description. (Show Details) 2019-09-17 09:46:20 (UTC+0)	
4	Reedy added a subscriber: Reedy. Edited - 2019-09-21 21:20:30 (UTC+0)	•
	Does this only affect master? Or should we be back porting to REL1_33/REL1_32/REL1_31?	
ı	'm aiming to get a security and maintenance release out next week (though there are no private security patches to go out)	
ŀ	t looks like there 1490e9dac828af097f0a15eca63eaa89e2d2bc50 and 97fffb3fd0b345db0a8999eda1ffa672311da9f1 might be needed as dependancies, just for REL1_33. But then there's some resources.php patch Never mind any	
'	revious versions of MW	
	Can someone take care of these backports where they're appropriate?	
•	Krinkle added a comment. Edited · 2019-09-25 19:58:29 (UTC+0)	•
	Good catch. The link should be protected by [data-mw="interface"] which is illegal in user content (enforced, automatically filtered out).	
	sood catch. The mix should be projected by {dacta-mix- interface } which is megal in user content (emorced, automatically intered out).	
P	Krinkle edited projects, added MediaWiki-Interface; removed MediaWiki-General. 2019-09-25 19:58:46 (UTC+0)	
<u></u>	- Krinkle added subscribers: Ladsgroup, Jdlrobson.	
9	Fomafix added a comment. 2019-09-26 07:31:18 (UTC+0)	-
1	The click handler for the logout button was introduced in rMW8f033911030d included in REL1_34. This has two vulnerabilities by user content:	
	1. The target of the redirect of the logout button can manipulated. This is fixed in rMWd4a552e65bdf included in REL1_34. A backport to older releases is not needed.	
	2. The user content can create an own logout button and do click catching. This is not fixed yet. This can be done by protecting the link with [data-mw="interface"].	
Q ₀	Reedy edited parent tasks, added: T233495: Tracking bug for MediaWiki 1.31.6/1.32.6/1.33.2/1.34.9 security release, removed: T225152: Tracking bug for MediaWiki 1.31.4/1.32.4/1.33.1 security release. 2019-10-07 18.49.32 (UTC+0)	
→	• chasemp triaged this task as <i>Medium</i> priority. 2019-12-09 15:57:24 (UTC+0)	
Q ₀		
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Q.		-
2		
Ι,	This seems important, tagging Security-Team directly to push, forward, or delagate accordingly.	
Ľ.	ins seems important, tagging security-ream directly to posit, forward, or delagate accordingly.	
<u>a</u> ×	Krinkle removed a subscriber: Krinkle. 2020-02-10 23:40:39 (UTC+0)	
2	sbassett added a subscriber: sbassett. 2020-02-11 23:11:12 (UTC+0)	•
	In T232932#5524854, @Fomafix wrote: 1. The user content can create an own logout button and do click catching. This is not fixed yet. This can be done by protecting the link with [data=mw="interface"].	
1	s the fix as simple as this? Seems to work locally for me, I think.	
	T232932.patch 970 B Download	
'		
,	Fomafix added a comment. 2020-02-12 07:33:37 (UTC+0)	-
1.0	T232932.patch 970 B	
	T232932.patch 970 B Download	
1	This is only the query part. The logout button doesn't have the attribute data-mw="interface" yet.	
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9	This is only the query part. The logout button doesn't have the attribute data-mw="interface" yet. • sbassett added a comment. 2020-02-12 15:39:44 (UTC+0)	•
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mitigates the second vulnerability. Just the trailing whitespace in BaseTemplate.php is wrong. • sbassett added a comment. 2020-02-12 18:00:19 (UTC+0) Ok, trailing whitespace removed. T232932-rev3.patch 2 KB Download sbassett added a comment. 2020-02-13 16:16:57 (UTC+0) -If there are no objections to the rev3 patch above, I can plan to security-deploy it this afternoon (before SWAT and the train) or tomorrow (2020-02-14). • Fomafix added a comment. 2020-02-14 05:23:16 (UTC+0) Can there a caching issue happen? The old selector also matches to the new HTML but the new selector doesn't match to the old HTML. If the deployment can't ensure that always a new HTML is loaded when the new JavaScript is delivered to the browsers then this patch have to split up. sbassett added a comment. 2020-02-18 17:00:58 (UTC+0) • In T232932#5884045. @Fomafix wrote Can there a caching issue happen? The old selector also matches to the new HTML but the new selector doesn't match to the old HTML. If the deployment can't ensure that always a new HTML is loaded when the new JavaScript is delivered to the browsers then this patch have to split up. I'm wondering if we could get away with performing a conditional check for the new selector and if it wasn't found, the old one, within resources/src/mediawiki.page.ready/ready.js for some period of time (24 hrs, a week, something sbassett moved this task from Incoming to In Progress on the Security-Team board. 2020-02-19 16:35:44 (UTC+0) chasemp removed a project: acl*security. 2020-02-20 20:06:22 (UTC+0) · /// ■ Fomafix added a comment. 2020-02-21 05:22:24 (UTC+0) • I guess there is no caching problem on deployment. And even when the new JavaScript is delivered to the browsers before the new HTML, then the fallback way of the logout button still works. ■ Jdlrobson added a comment. 2020-02-21 14:59:43 (UTC+0) _ Logged in users bypass the varnish cache so I don't believe there are any caching issues here. sbassett added a comment. 2020-02-21 15:10:35 (UTC+0) Ok, I'll plan to deploy the patch as-is (T232932#5877700) today and keep an eye on logstash just in case. Sbassett added a project: PermanentlyPrivate. 2020-02-21 22:12:46 (UTC+0) • Patch deployed. Tested on testwiki (and oversighted) - everything worked fine for me. Just to note: this issue is being held for the next security release, so please keep this task private for now (adding The permanently Private to be safe, until release) and refrain from backporting in gerrit for the time being. Thanks. Restricted Application changed the visibility from "Custom Policy" to "Custom Policy". View Herald Transcript 2020-02-21 22:12:47 (UTC+0) Restricted Application changed the edit policy from "All Users" to "Custom Policy". · View Herald Transcript sbassett claimed this task. 2020-03-02 20:41:29 (UTC+0) sbassett added a subscriber: Krinkle. ndler to any CSS selector (CVE-2020-10960). 2020-03-02 22:51:00 (UTC+0) sbassett mentioned this in T246602. makeCollapsible allows applying event ha Reedy added a comment. 2020-03-24 17:15:53 (UTC+0) • Patch applies cleanly to master and REL1_34. Doesn't to REL1 33 and REL1 31. Time to poke further ■ Reedy added a comment. Edited · 2020-03-24 17:18:36 (UTC+0) Changes to be committed: includes/skins/BaseTemplate.php
includes/skins/SkinTemplate.php Unmerged paths: (use "git add/rm <file>..." as appropriate to mark resolution) deleted by us: resources/src/mediawiki.page.ready/ready.js As [rMW8f033911030d26759c327145403f91ac6b1c5e66] in REL1_34 added "Turn logout to a POST action"... Can we just not apply the changes to mediawiki.page.ready.js but apply the two PHP ones (amend the commit summary too) and continue? • Ladsgroup added a comment. 2020-03-24 17:26:23 (UTC+0) In **T232932#5995685**, @Reedy wrote: Changes to be committed:

modified: includes/skins/BaseTemplate.php modified: includes/skins/SkinTemplate.php Unmerged paths:
 (use "git add/rm <file>..." as appropriate to mark resolution) deleted by us: resources/src/mediawiki.page.ready/ready.js As [rMW8f033911030d26759c327145403f91ac6b1.5e66] in REL1_34 added "Turn logout to a POST action"... Can we just not apply the changes to mediawiki.page.ready.js but apply the two PHP ones (amend the commit summary too) and continue? Yeah, this security issue has been introduced in by turning the log out button to a POST action which is rather recent (around a year now). ✓ Reedy closed this task as Resolved. 2020-03-24 17:32:12 (UTC+0) • Sorted then sbassett renamed this task from User content can redirect the logout button to different URL (CVE-2020-10959). 2020-03-26 03:40:07 (UTC+0) sbassett mentioned this in T240399. Obtain CVEs for 1.31.7/1.33.3/1.34.1 security releases. 2020-03-26 03:42:08 (UTC+0) Reedy changed the visibility from "Custom Policy" to "Public (No Login Required)". 2020-03-26 17:41:58 (UTC+0) Restricted Application changed the visibility from "Public (No Login Required)" to "Custom Policy". View Herald Transcript 2020-03-26 17:41:59 (UTC+0) Restricted Application changed the edit policy from "Custom Policy" to "Custom Policy". View Herald Transcript Reedy removed a project: PermanentlyPrivate. 2020-03-26 18:35:22 (UTC+0) Reedy changed the visibility from "Custom Policy" to "Public (No Login Required)" Reedy changed the edit policy from "Custom Policy" to "All Users". Krenair added a subscriber: Krenair. 2020-03-26 18:44:38 (UTC+0) In **T232932#5908474**, @sbassett wrote: this issue is being held for the next security release, so please keep this task private for now (adding PermanentlyPrivate to be safe, until release) Am I the only one confused about the use of PermanentlyPrivate here? It sounds like this was not permanently private, just private until the next security release. The visibility policy on the task already accounted for that ■ Ladsgroup added a comment. 2020-03-26 18:59:23 (UTC+0) In T232932#6002996, @Krenair wrote: In **T232932#5908474**, @sbassett wrote: this issue is being held for the next security release, so please keep this task private for now (adding PermanentlyPrivate to be safe, until release) Am I the only one confused about the use of PermanentlyPrivate here? It sounds like this was not permanently private, just private until the next security release. The visibility policy on the task already accounted for that. There's a Herald rule that doesn't let users mistakenly "open" a ticket to public when it has 🖠 PermanentlyPrivate tag on it. I think here it was used as more of a tool. Fixing it should not be that hard, create a tag like "StayPrivate" and use that instead (with the proper herald rules added) sbassett added a comment. 2020-03-26 19:10:44 (UTC+0) • In T232932#6003030. @Ladsgroup wrote: There's a Herald rule that doesn't let users mistakenly "open" a ticket to public when it has 🔊 PermanentlyPrivate tag on it. I think here it was used as more of a tool. Fixing it should not be that hard, create a tag like "StayPrivate" and use that instead (with the proper herald rules added) This is correct. Sorry for any confusion regarding my explanation above. If someone would like to file a bug to create a new "StayPrivate" tag, please feel free to do so. ReleaseTaggerBot added projects: MW-1.35-notes (1.35.0 wnnf.20. 2020-03-31), MW-1.35-notes. 2020-03-26 23:01:51 (UTC+0) . RhinosF1 added a subscriber: RhinosF1. 2020-05-30 22:37:37 (UTC+0) Is there any reason https://cve.mitre.org/cgi-bin/cvename.cgi?name=CVE-2020-10959 shows RESERVED? This is public Reedy added a comment. 2020-05-31 00:03:47 (UTC+0) In T232932#6179379. @RhinosF1 wrote: Is there any reason https://cve.mitre.org/cgi-bin/cvename.cgi?name=CVE-2020-10959 shows RESERVED? https://cve.mitre.org/about/faqs.html#reserved_signify_in_cve_entry RhinosF1 added a comment. 2020-05-31 06:48:47 (UTC+0) In T232932#6179409, @Reedy wrote: In T232932#6179379, @RhinosF1 wrote: Is there any reason https://cve.mitre.org/cgi-bin/cvename.cgi?name=CVE-2020-10959 shows RESERVED? https://cve.mitre.org/about/faqs.html#reserved_signify_in_cve_entry Sorry, let me reword my question. Is there any reason the WMF have not yet asked for it to be populated or mitre are holding it? I know why anything can be reserved, I meant this task specifically. sbassett added a comment. Edited - 2020-06-01 16:39:35 (UTC+0)

