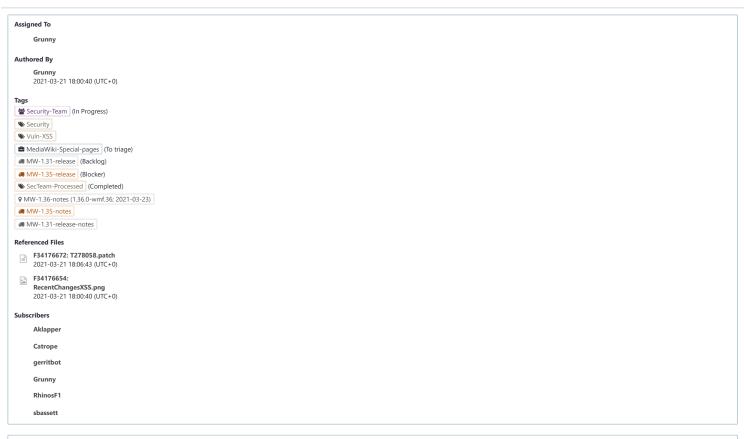
🕹 Maniphest > T278058 Create Task

## ✓ CVE-2021-30157: Unescaped messages used in HTML on ChangesList pages (e.g. RecentChanges and Watchlist)

☑ Closed, Resolved ☑ Public SECURITY

Actions



## Description

On ChangesList special pages like Special:RecentChanges and Special:Watchlist, some of the rofilters-filter-\* label messages are output in HTML unescaped.

Steps to reproduce:

- 1. Edit one of the rcfilters-filter-\*-label messages (e.g. edit MediaWiki:Rcfilters-filter-humans-label) and add a simple XSS string like <img src=x onerror=alert (document.domain)>
- 2. Visit Special:RecentChanges and see the JavaScript executed (depending on which label you chose in step 1, you may need to select that filter in the interface or URL param first)



This happens because the label is being added by JS using append in this case, when the message itself is unescaped plain text. This appears to have been the case since

4> https://phabricator.wikimedia.org/rMWd0339e8741fb0a8361aed563b92f3fd36fdb3f7b where the label was previously always wrapped in mw .html .escape but afterwards was output raw if there isn't a wrapping label message

It's relatively low risk given it's admin-only, but filing as a private issue similar to T256171, T255918, and T278014





Restricted Application added a subscriber: Aklapper. · View Herald Transcript 2021-03-21 18:00:42 (UTC+0) Grunny added a parent task: T2212: Some MediaWiki: messages not safe in HTML (tracking). 2021-03-21 18:01:05 (UTC+0) Grunny added projects: Vuln-XSS, MediaWiki-Special-pages. Grunny added a comment. 2021-03-21 18:06:43 (UTC+0) Proposed patch: T278058.patch 1 KB Download From 60be0e4cdf37fce9a83d9df0bd1497107bc5f940 Mon Sep 17 00:00:00 2001 From: grunny <mwgrunny@gmail.com> From sourceductrs/TreadsJournables/16/06/57940 Mon Sep 1/ 00:00:00 2001 From: grunny (amgrunny@gmail.com) Date: Sun, 21 Mar 2021 14:35:58 +1000 Subject: [PATCH] Escape rcfilters-filter-\* messages on ChangesList pages The rcfilters-filter-\*-label messages are output as raw HTML on ChangesList pages like RecentChanges and Watchlist. If there is a wrapping label message, the label is properly escaped, but when there is not, it is appended as raw HTML. This escapes the label at output by switching to .text(). Change-Id: I7106aedced51343439fc54d5bb91620d8a0362f9 resources/src/mediawiki.rcfilters/ui/TagItemWidget.js | 2 +-1 file changed, 1 insertion(+), 1 deletion(-) } else {
 this.setLabel( \$( '<bdi>' ).append( \$( '<bdi>' ).text( this.itemModel.getLabel() ); 2.7.4 Legoktm added a subscriber: Catrope. 2021-03-22 06:31:05 (UTC+0) % Reedy added projects: <del>MW-1.31 release</del>, MW-1.35-release. 2021-03-22 15:14:33 (UTC+0) • sbassett added a subscriber: sbassett. 2021-03-22 15:36:12 (UTC+0) Thanks again for the report and patch. Making this public and pushing through gerrit as low-risk. sbassett triaged this task as Low priority. 2021-03-22 15:36:30 (UTC+0) sbassett added a project: SecTeam-Processed sbassett changed the visibility from "Custom Policy" to "Public (No Login Required)" sbassett changed the edit policy from "Custom Policy" to "All Users' sbassett moved this task from Incoming to In Progress on the Security-Team board. RhinosF1 added a subscriber: RhinosF1. 2021-03-22 15:37:26 (UTC+0) gerritbot added a comment. 2021-03-22 15:39:52 (UTC+0) Change 674085 had a related patch set uploaded (by SBassett; owner: Grunny): [mediawiki/core@master] Escape rcfilters-filter-\* messages on ChangesList pages https://gerrit.wikimedia.org/r/674085 gerritbot added a project: Patch-For-Review. 2021-03-22 15:39:53 (UTC+0) gerritbot added a comment. 2021-03-22 19:18:52 (UTC+0) • Change 674085 merged by jenkins-bot: [mediawiki/core@master] Escape rcfilters-filter-\* messages on ChangesList pages https://gerrit.wikimedia.org/r/674085 gerritbot added a comment. 2021-03-22 19:49:03 (UTC+0) Change 674108 had a related patch set uploaded (by SBassett; owner: Grunny): [mediawiki/core@REL1\_35] Escape rcfilters-filter-\* messages on ChangesList pages https://gerrit.wikimedia.org/r/674108 % ReleaseTaggerBot added a project: MW 1.36 notes (1.36.9 wmf.36, 2021 03 23). 2021-03-22 20:00:30 (UTC+0) gerritbot added a comment. 2021-03-22 20:12:30 (UTC+0) • Change 674108 merged by jenkins-bot: [mediawiki/core@REL1\_35] Escape rcfilters-filter-\* messages on ChangesList pages https://gerrit.wikimedia.org/r/674108 gerritbot added a comment. 2021-03-22 20:21:35 (UTC+0) Change 674110 had a related patch set uploaded (by Reedy; owner: Grunny): [mediawiki/core@REL1\_31] Escape rcfilters-filter-\* messages on ChangesList pages

https://gerrit.wikimedia.org/r/674110

ReleaseTaggerBot added a project: MW-1.35-notes. 2021-03-22 21:00:27 (UTC+0)

● gerritbot added a comment. 2021-03-23 18:38:58 (UTC+0)

Change 674110 merged by jenkins-bot:

[mediawiki/core@REL1\_31] Escape rcfilters-filter-\* messages on ChangesList pages

https://gerrit.wikimedia.org/r/674110

- ReleaseTaggerBot added a project: MW-1.31-release-notes. 2021-03-23 19:00:30 (UTC+0)
- % Maintenance\_bot removed a project: Patch-For-Review. 2021-03-23 19:11:14 (UTC+0)
- **Reedy** closed this task as *Resolved*. 2021-03-30 00:44:08 (UTC+0)
- Reedy assigned this task to Grunny.
- % Reedy added a parent task: <del>T270459: Tracking bug for MediaWiki 1.31.13/1.35.2</del>.
- % Reedy mentioned this in <del>T270459: Tracking bug for MediaWiki 1.31.13/1.35.2</del>.
- Reedy renamed this task from Unescaped messages used in HTML on ChangesList pages (e.g. RecentChanges and Watchlist) to CVE-2021-30157: Unescaped messages used in HTML on ChangesList pages (e.g. RecentChanges and Watchlist).
  2021-04-06 19:13:15 (UTC+0)
- Reedy added a subscriber: gerritbot. 2021-04-08 19:11:23 (UTC+0)
- % matmarex mentioned this in <del>T201595: XS5s from not escaping i10n messages in recent core patch</del>. 2021-04-30 18:57:17 (UTC+0)