

CVE-2021-30154: Unescaped messages used in HTML on Special:NewFiles

Closed, Resolved

Public

SECURITY

Actions

Assigned To

Grunny

Authored By

Grunny

2021-03-20 15:59:19 (UTC+0)

Tags

Security-Team

 (Our Part Is Done)

Security

Vuln-XSS

MediaWiki-Special-pages

 (To triage)

MW-1.35-release

 (Blocker)

SecTeam-Processed

MW-1.36-notes

MW-1.35-notes

MW-1.31-release

MW-1.31-release-notes

Referenced Files

F34176637: T278014.patch

2021-03-21 17:35:00 (UTC+0)

F34175119: NewFilesXSS.png

2021-03-20 15:59:19 (UTC+0)

Subscribers

Aklapper

gerritbot

Grunny

matthiasmullie

Reedy

RhinosF1

sbassett

Description

On Special:NewFiles, all the mediastatistics-header-* messages are output in HTML unescaped.

Steps to reproduce:

- Edit one of the mediastatistics-header-* messages (e.g. edit MediaWiki:Mediastatistics-header-drawing) and add a simple XSS string like
- Visit Special:NewFiles and see the JavaScript executed



This happens because the form options is using the ->text() output format with options , which is not escaped, rather than options-messages .

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

Details

Author Affiliation

Wikimedia Communities

Project	Subject
mediawiki/core	Escape mediastatistics-header-* messages on Special:NewFiles
mediawiki/core	Escape mediastatistics-header-* messages on Special:NewFiles
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Customize query in gerrit

Related Objects

Task Graph

Mentions

Status	Assigned	Task
<div>Resolved</div>	Reedy	T270458 Release MediaWiki 1.31.13/1.35.2
<div>Resolved</div>	Reedy	T270459 Tracking bug for MediaWiki 1.31.13/1.35.2
<div>Open</div>	None	T2212 Some MediaWiki: messages not safe in HTML (tracking)

<https://gerrit.wikimedia.org/r/674107>

Grunny

added a comment.

2021-03-22 17:59:19 (UTC+0)

Thanks, [@sbassett](#) ! Just for my reference on if I find any more of these in core or WMF deployed extensions, is it OK to push straight to Gerrit, and I assume we'd still want a ticket created for reference?

gerritbot

added a comment.

2021-03-22 18:00:05 (UTC+0)

Change 674107 **merged** by jenkins-bot:
[mediawiki/core@REL1_35] Escape mediastatistics-header-* messages on Special.NewFiles
<https://gerrit.wikimedia.org/r/674107>

ReleaseTaggerBot

added projects: ~~MW-1.36-notes (1.36.0-wmf.36, 2021-03-23)~~, MW-1.35-notes.

2021-03-22 18:00:30 (UTC+0)

sbassett

added a comment.

2021-03-22 18:06:49 (UTC+0)

In ~~T278014#6935629~~, @Grunny wrote:
Thanks, [@sbassett](#) ! Just for my reference on if I find any more of these in core or WMF deployed extensions, is it OK to push straight to Gerrit, and I assume we'd still want a ticket created for reference?

I would say likely, yes. However it's probably a good idea to continue filing these as private bugs so the [Security-Team](#) can review them (our weekly clinic meeting is Monday morning) just to verify they are indeed low-risk and to also time them well for the weekly train deployment, in getting pushed to gerrit.

sbassett moved this task from In Progress to Our Part Is Done on the Security-Team board.

2021-03-22 18:07:50 (UTC+0)

sbassett removed a project: Patch-For-Review.

Grunny

added a comment.

2021-03-22 18:38:09 (UTC+0)

In ~~T278014#6935675~~, @sbassett wrote:

In ~~T278014#6935629~~, @Grunny wrote:
Thanks, [@sbassett](#) ! Just for my reference on if I find any more of these in core or WMF deployed extensions, is it OK to push straight to Gerrit, and I assume we'd still want a ticket created for reference?

I would say likely, yes. However it's probably a good idea to continue filing these as private bugs so the [Security-Team](#) can review them (our weekly clinic meeting is Monday morning) just to verify they are indeed low-risk and to also time them well for the weekly train deployment, in getting pushed to gerrit.

Sounds good, thanks!

Reedy

added a parent task: ~~T270459-Tracking bug for MediaWiki 1.31-13/1.35.2~~.

2021-03-30 00:46:14 (UTC+0)

Reedy

closed this task as Resolved.

2021-03-30 00:48:34 (UTC+0)

Reedy

assigned this task to Grunny.

Reedy

mentioned this in ~~T270459-Tracking bug for MediaWiki 1.31-13/1.35.2~~.

2021-04-04 21:29:35 (UTC+0)

gerritbot

added a comment.

2021-04-04 21:37:20 (UTC+0)

Change 676795 had a related patch set uploaded (by Reedy; author: Grunny):
[mediawiki/core@REL1_31] Escape mediastatistics-header-* messages on Special.NewFiles
<https://gerrit.wikimedia.org/r/676795>

gerritbot

added a project: Patch-For-Review.

2021-04-04 21:37:21 (UTC+0)

gerritbot

added a comment.

2021-04-04 21:44:01 (UTC+0)

Change 676795 **merged** by jenkins-bot:
[mediawiki/core@REL1_31] Escape mediastatistics-header-* messages on Special.NewFiles
<https://gerrit.wikimedia.org/r/676795>

Reedy

added a project: ~~MW-1.31-release~~.

2021-04-04 21:45:09 (UTC+0)

ReleaseTaggerBot

added a project: ~~MW-1.31-release-notes~~.

2021-04-04 22:00:19 (UTC+0)

Maintenance_bot

removed a project: Patch-For-Review.

2021-04-04 22:10:17 (UTC+0)

Reedy

renamed this task from Unescaped messages used in HTML on Special.NewFiles to CVE-2021-30154: Unescaped messages used in HTML on Special.NewFiles.

2021-04-06 19:11:24 (UTC+0)

Reedy

added a subscriber: gerritbot.

2021-04-08 19:11:23 (UTC+0)