

## Redmine - Defect #33846

### Inline issue auto complete doesn't sanitize HTML tags

2020-08-12 19:29 - Fernando Hartmann

<b>Status:</b>	Closed	<b>Start date:</b>	
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assignee:</b>	Go MAEDA	<b>% Done:</b>	0%
<b>Category:</b>	Security	<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>	4.1.2	<b>Affected version:</b>	4.1.1
<b>Resolution:</b>	Fixed		
<b>Description</b>			
If referring a issue that have a HTML tag in subject, the tag is rendered as an object in the auto complete tip.			
To reproduce			
<ol style="list-style-type: none"><li>1. Create one issue with a subject like Test &lt;select&gt; tag</li><li>2. Start a new issue, go to description field and type issue number created above</li></ol>			
Result			
<ul style="list-style-type: none"><li>• We should display something like Feature #xxxx Test &lt;select&gt; tag</li><li>• We display a select object rendered in the tip, like image bellow</li></ul>			
tip.png			
This can be dangerous,as some one can inject HTML			
<b>Related issues:</b>			
Related to Redmine - Feature #31989: Inline issue auto complete (#) in fields...			<b>Closed</b>

#### Associated revisions

##### Revision 20827 - 2021-03-19 05:24 - Go MAEDA

Fix that inline issue auto complete does not sanitize HTML tags (#33846).

Patch by Marius BALTEANU.

##### Revision 20828 - 2021-03-19 05:37 - Go MAEDA

Merged r20827 from trunk to 4.1-stable (#33846).

#### History

##### #1 - 2020-08-14 08:50 - Marius BĂLTEANU

- Assignee set to Marius BĂLTEANU

##### #2 - 2020-10-05 00:49 - Marius BĂLTEANU

- Related to Feature #31989: Inline issue auto complete (#) in fields with text-formatting enabled added

##### #3 - 2020-10-05 22:52 - Marius BĂLTEANU

- File `sanitize_html.patch` added

- Target version set to 4.1.2

Fernando, thanks for catching this.

I've attached a patch to fix this issue.

##### #4 - 2020-10-05 22:52 - Marius BĂLTEANU

- Assignee deleted (Marius BĂLTEANU)

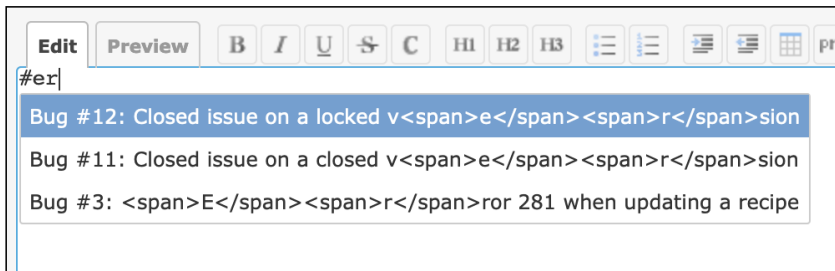
##### #5 - 2020-10-15 14:02 - Go MAEDA

- File autocomplete-by-title.png added

Marius BALTEANU wrote:

I've attached a patch to fix this issue.

Thank you for fixing the issue but I see `<span>` tags when using auto-complete by issue subject.



**#6 - 2020-10-16 00:24 - Marius BĂLTEANU**

- Assignee set to Marius BĂLTEANU

Thanks for pointing this out, I was able to reproduce the problem. I will post soon a fix.

**#7 - 2020-10-16 07:54 - Marius BĂLTEANU**

- File `sanitize_html_v2.patch` added

- File `tribute.png` added

- Assignee deleted (Marius BĂLTEANU)

Please try this new version, it should work as expected with one mention: the letters that match the search are no longer highlighted.

tribute.png

Also, instead of the `sanitizeHTML` function, I think it's better to use a library like <https://lodash.com/docs/4.17.15#escape>, but I'm not sure how to add it without copying the code or by using a module bundler like `webpack`. @Jean-Philippe, any recommendations on this?

**#8 - 2020-10-16 08:01 - Marius BĂLTEANU**

- File `sanitize_html_v3.patch` added

This one works on IE 11 as well.

**#9 - 2020-12-05 18:03 - Marius BĂLTEANU**

Attached is a test for this issue that can be applied only after [#34123](#) is committed.

**#10 - 2020-12-05 18:05 - Marius BĂLTEANU**

- File `test_for_26089.patch.zip` added

**#11 - 2020-12-05 18:07 - Marius BĂLTEANU**

- File `deleted (test_for_26089.patch.zip)`

**#12 - 2020-12-05 18:10 - Marius BĂLTEANU**

- File `test_for_33846.patch` added

**#13 - 2020-12-16 08:20 - Marius BĂLTEANU**

- Assignee set to Jean-Philippe Lang

**#14 - 2021-03-15 08:34 - Marius BĂLTEANU**

- Assignee changed from Jean-Philippe Lang to Go MAEDA

**#15 - 2021-03-15 16:53 - Go MAEDA**

- File `sanitize_html_v4.patch` added

Update the patch for the latest trunk ([r20791](#)).

**#16 - 2021-03-19 05:43 - Go MAEDA**

- Status changed from *New* to *Closed*
- Resolution set to *Fixed*

Committed the fix. Thank you all for your contribution.

**#17 - 2021-03-19 05:46 - Go MAEDA**

- Subject changed from *Inline issue auto complete (#) doesn't sanitize HTML tags* to *Inline issue auto complete doesn't sanitize HTML tags*

**#18 - 2021-03-26 01:13 - Holger Just**

By the way: this a full-blown XSS vulnerability. With an issue subject such as

```
<span onmouseover="alert('pwned');">This is some exciting text</span>
```

arbitrary Javascript can be executed (as well as arbitrary HTML code shown). In my opinion, the assessment of the issue in [Security Advisories](#) should therefore be increased to High.

**#19 - 2021-03-26 08:59 - Marius BĂLTEANU**

Holger Just wrote:

By the way: this a full-blown XSS vulnerability. With an issue subject such as

[...]

arbitrary Javascript can be executed (as well as arbitrary HTML code shown). In my opinion, the assessment of the issue in [Security Advisories](#) should therefore be increased to High.

Thanks Holger, I've changed to High.

**Files**

---

tip.png	6.45 KB	2020-08-12	Fernando Hartmann
sanitize_html.patch	868 Bytes	2020-10-05	Marius BĂLTEANU
autocomplete-by-title.png	56.7 KB	2020-10-15	Go MAEDA
sanitize_html_v2.patch	1.01 KB	2020-10-16	Marius BĂLTEANU
tribute.png	132 KB	2020-10-16	Marius BĂLTEANU
sanitize_html_v3.patch	878 Bytes	2020-10-16	Marius BĂLTEANU
test_for_33846.patch	809 Bytes	2020-12-05	Marius BĂLTEANU
sanitize_html_v4.patch	2.18 KB	2021-03-15	Go MAEDA