

Redmine - Patch #41941

Add support for tel: protocol to custom fields

2024-12-06 08:09 - Bernhard Rohloff

Status:	Needs feedback	Start date:	
Priority:	Normal	Due date:	
Assignee:		% Done:	0%
Category:	Custom fields	Estimated time:	0.00 hour
Target version:			
Description			
These days softphones are very popular and used by many employees. It would be great if Redmine could create links with the tel protocol to let users make calls quickly and effortless. It's a small change but can significantly increase the comfort for users.			
Related issues:			
Related to Redmine - Feature #10889: Add support for the 'tel' URL protocol h... New			

History

#1 - 2024-12-06 08:09 - Bernhard Rohloff

- Related to Feature #10889: Add support for the 'tel' URL protocol handler added

#2 - 2024-12-06 19:54 - Holger Just

Your patch does (probably?) not solve the underlying issue and is at the wrong place.

`uri_with_safe_scheme?` is intended to validate the schemes of URLs of e.g. `` tags or other resources which cause the browser to load them directly. The correct method to use for links would be `uri_with_link_safe_scheme?` instead.

With that being said, `uri_with_safe_scheme?` is the oldest of these related methods and its semantics have changed slightly over time. It might be that this method is sill erroneously used in places where `uri_with_link_safe_scheme?` should be used instead.

In any case, please also provide some tests for changed behavior. This is especially important here since these changes may cause new XSS vulnerabilities in Redmine if we are not careful.

#3 - 2024-12-09 15:03 - Bernhard Rohloff

- File `unit_test_for_add_tel_to_custom_field_url_pattern.diff` added

Holger Just wrote in [#note-2](#):

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With that being said, `uri_with_safe_scheme?` is the oldest of these related methods and its semantics have changed slightly over time. It might be that this method is sill erroneously used in places where `uri_with_link_safe_scheme?` should be used instead.

In any case, please also provide some tests for changed behavior. This is especially important here since these changes may cause new XSS vulnerabilities in Redmine if we are not careful.

The proposed change is only meant for providing the ability of creating links for phone numbers in custom fields. It's solving the issue as the method `uri_with_link_safe_scheme?` whitelists the allowed protocols for links and is used by [source:trunk/lib/redmine/field_format.rb#L217](#). I've tested the solution and it's working in my dev environment. The patch just adds the `:tel` scheme to the list. Attached is a patch for extending the existing unit test of the proposed change.

#4 - 2025-01-23 13:38 - Stephan Meyer

Hello, thanks for your support. Any news on this ticket?

#5 - 2025-01-28 12:47 - Bernhard Rohloff

- Status changed from *New* to *Needs feedback*

Right now, this ticket is stale and maybe feedback of [Go MAEDA](#) is needed here. I've taken a second look on the useage of the `uri_with_safe_scheme?` function.

It's used in three places in the codebase:

- To validate the fields format: [source:trunk/lib/redmine/field_format.rb#L220](#)
- For image inlining in textile formatting: [source:trunk/lib/redmine/wiki_formatting/textile/redcloth3.rb#L844](#)
- For displaying the project homepage link in the overview: [source:trunk/app/views/projects/show.html.erb#L40](#)

[Holger Just](#) would it be better to refactor the code of the field validation? I think it would be really cool to make a phonecall by a click on a custom field.

Files

add_tel_to_custom_field_url_pattern.diff	660 Bytes	2024-12-06	Bernhard Rohloff
unit_test_for_add_tel_to_custom_field_url_pattern.diff	585 Bytes	2024-12-09	Bernhard Rohloff