Redmine - Defect #31831

Back url parse in validation

2019-07-31 12:04 - Tibinko H

Status: Closed

Priority: Normal

Assignee: Marius BĂLTEANU

Category: Code cleanup/refactoring

Target version: 6.0.0

Resolution: Fixed Affected version: 4.0.4

Start date:

Due date:

% Done:

Estimated time:

Description

Hello.

for example on issues screen, when you apply filters, it generates an url containing:

utf8=0

Because of this bulk_edit (for instance) is unable to redirect back to this url.

The reason is a function in application_controller.rb - validate_back_url

URI.parse(back_url) is unable to parse the special character mentioned above.

The quicke workaround would be

URI.parse(URI.encode(back_url))

but i am not sure that is sufficient.

Related issues:

Related to Redmine - Defect #31552: View switches from gantt to list after ed...

Closed

0%

0.00 hour

Related to Redmine - Feature #40190: Stop appending the utf8 checkmark parame...

Closed

Associated revisions

Revision 22710 - 2024-02-14 00:17 - Marius BĂLTEANU

Replaces URI.parse with Addressable::URI.parse(url) to enhance robustness of validate_back_url (#31831).

Patch by Go MAEDA (@maeda).

History

#1 - 2019-08-01 08:09 - Mizuki ISHIKAWA

It looks good

I have also suggested the same fix (#31552#note-2).

#2 - 2019-08-01 10:20 - Tibinko H

Oh, ok. Did not see that, I am going to put this isssue to resolved then.

#3 - 2019-08-01 10:20 - Tibinko H

- Status changed from New to Resolved

#4 - 2019-08-01 10:33 - Marius BĂLTEANU

- Status changed from Resolved to New

Tibinko H wrote:

Oh, ok. Did not see that, I am going to put this isssue to resolved then.

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It was committed another solution in that ticket.

#5 - 2019-08-01 10:40 - Tibinko H

Marius BALTEANU wrote:

Tibinko H wrote:

Oh, ok. Did not see that, I am going to put this isssue to resolved then.

It was committed another solution in that ticket.

Is it not exactly the same as I wrote above?

#6 - 2019-08-01 10:41 - Mizuki ISHIKAWA

Tibinko H wrote:

Oh, ok. Did not see that, I am going to put this isssue to resolved then.

I think this problem has not been solved yet.

Sorry, my comment(<u>#31831#note-1</u>) may have misled you. In <u>#31552</u> issue, <u>#31552#note-3</u> changes were finally committed, not <u>#31552#note-2</u> changes. <u>#31552#note-3</u> changes were a partial fix and does not solve the bulk_edit probrem.

URI.parse(URI.encode(back_url))

I thought that your suggestion for solving the problem that occurs with bulk_edit is good.

#7 - 2019-08-01 10:49 - Go MAEDA

- Target version set to Candidate for next minor release

Tibinko H, thank you for reporting this issue.

Here is a diff of your workaround.

#8 - 2019-08-01 10:51 - Go MAEDA

- Related to Defect #31552: View switches from gantt to list after editing an issue added

#9 - 2024-02-04 05:47 - Go MAEDA

You can fix this problem by preventing Rails from appending a "utf8" parameter to form URLs. This can be achieved by setting config.action view.default enforce utf8 to false.

https://guides.rubyonrails.org/v7.1/configuring.html#config-action-view-default-enforce-utf8

We can safely remove the "utf8=\(\text{U}''\). This is because this is a workaround for Internet Explorer <= 8 and Microsoft and Redmine no longer support the browser.

```
diff --git a/app/controllers/application_controller.rb b/app/controllers/application_controller.rb
index 9bd6b831a..ad16b0e77 100644
--- a/app/controllers/application_controller.rb
+++ b/app/controllers/application_controller.rb
@@ -475,11 +475,6 @@ class ApplicationController < ActionController::Base
    url = params[:back_url]</pre>
```

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```
if url.nil? && referer = request.env['HTTP_REFERER']
      url = CGI.unescape(referer.to_s)
      # URLs that contains the utf8=[checkmark] parameter added by Rails are
      # parsed as invalid by URI.parse so the redirect to the back URL would
      # not be accepted (ApplicationController#validate_back_url would return
       # false)
      url.gsub!(/(\?|\&)utf8=\u2713&?/, '\1')
    url
  end
diff --git a/config/application.rb b/config/application.rb
index 069796185..1beeb2db2 100644
  - a/config/application.rb
+++ b/config/application.rb
@@ -45,6 +45,9 @@ module RedmineApp
config.action_mailer.delivery_job = "ActionMailer::MailDeliveryJob"
     # Stop appending "utf8=0" to form URLs
    config.action_view.default_enforce_utf8 = false
     # Set Time.zone default to the specified zone and make Active Record auto-convert to this zone.
     # Run "rake -D time" for a list of tasks for finding time zone names. Default is UTC.
     # config.time_zone = 'Central Time (US & Canada)'
```

#10 - 2024-02-05 03:09 - Go MAEDA

- Related to Feature #40190: Stop appending the utf8 checkmark parameter to form URLs added

#11 - 2024-02-13 10:16 - Go MAEDA

- File 31831.patch added

I have opened #40190 and posted the patch pasted in #note-9.

Apart from that patch, I suggest replacing URI.parse with Addressable::URI.parse(url) to address the reported issue. This change is useful for handling URLs containing non-ASCII characters, as demonstrated below.

```
irb(main):001> url = 'http://www.example.com/?utf8=[]'
=> "http://www.example.com/?utf8=[]"
irb(main):002> URI.parse(url)
/Users/maeda/.rbenv/versions/3.1.4/lib/ruby/3.1.0/uri/rfc3986_parser.rb:20:in `split': URI must be ascii only
"http://www.example.com/?utf8=\u2713" (URI::InvalidURIError)
irb(main):003> Addressable::URI.parse(url)
=> #<Addressable::URI:0x9b14 URI:http://www.example.com/?utf8=[]>
```

The replacement not only fixes the immediate issue but also enhances the robustness of validate_back_url. It remains beneficial even after the patch in #40190 is merged.

#12 - 2024-02-13 11:42 - Marius BĂLTEANU

- Assignee set to Marius BĂLTEANU

#13 - 2024-02-14 00:18 - Marius BĂLTEANU

- Category set to Code cleanup/refactoring
- Status changed from New to Resolved
- Resolution set to Fixed

Committed the patch after I've committed the one from #40190. Go MAEDA, are you thinking to merge this to stable branches without the changes from #40190?

#14 - 2024-02-14 02:23 - Go MAEDA

- Target version changed from Candidate for next minor release to 6.0.0

Marius BĂLTEANU wrote in #note-13:

Go MAEDA, are you thinking to merge this to stable branches without the changes from #40190?

I think we don't need to merge this change to stable branches because the issue is very minor.

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#15 - 2024-02-14 08:59 - Marius BĂLTEANU

- Status changed from Resolved to Closed

Files

31831.patch 1.2 KB 2024-02-13 Go MAEDA

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