

Redmine - Defect #34247

Web browser freezes when displaying workflow page with a large number of issue statuses

2020-11-11 09:04 - Andrea Valle

Status:	Closed	Start date:	
Priority:	Normal	Due date:	
Assignee:	Go MAEDA	% Done:	0%
Category:	Administration	Estimated time:	0.00 hour
Target version:	4.1.2	Affected version:	4.1.1
Resolution:	Fixed		

Description

Hello,
I have a Redmine 4.1 installation with about 100 issue statuses.
When I visit workflow edit page and unset "Only display statuses that are used by this tracker" checkbox, if I press "edit" button browser hangs.

I reproduced this also with a "fresh" installation.

I attached a docker-compose file by which I created the "fresh" installation.

Once the system is up, I created issue statuses by following these steps:

```
$ docker-compose up
$ docker-compose exec redmine bash
> cd /opt/bitnami/redmine
> bundle exec rails console -e production
irb(main):001:0> (1..100).each { |i| IssueStatus.create(name: "issue status: #{i}") }
```

And then visit the workflow page.

Thank you.

This is my environment:

```
Environment:
  Redmine version      4.1.1.stable
  Ruby version         2.6.6-p146 (2020-03-31) [x86_64-linux]
  Rails version        5.2.4.2
  Environment          production
  Database adapter     Mysql2
  Mailer queue         ActiveJob::QueueAdapters::AsyncAdapter
  Mailer delivery      smtp
SCM:
  Git                  2.29.2
  Filesystem
Redmine plugins:
  no plugin installed
```

Related issues:

Related to Redmine - Patch # 31441: Show elements titles using jQuery UI tool...	Closed
Related to Redmine - Patch # 35034: Improve loading speed of workflow page	Closed

Associated revisions

Revision 20716 - 2021-01-17 02:48 - Go MAEDA

Fix that WorkflowsControllerTest fails if table cells have more than one CSS class (#34247).

Patch by Go MAEDA.

Revision 20717 - 2021-01-17 03:23 - Go MAEDA

Web browser freezes when displaying a workflow page with a large number of issue statuses (#34247).

Patch by Marius BALTEANU.

Revision 20719 - 2021-01-18 13:11 - Go MAEDA

Merged r20716 from trunk to 4.1-stable (#34247).

Revision 20720 - 2021-01-18 13:12 - Go MAEDA

Merged r20717 from trunk to 4.1-stable (#34247).

History

#1 - 2020-11-11 09:06 - Andrea Valle

Note: There is an indentation error in the yml.

```
redmine_data:  
  driver: local
```

must go left as the above maria_db volume.

#2 - 2020-11-18 10:47 - Andrea Valle

I found the issue.

The problem is inside:

```
public/javascripts/application.js
```

inside this function:

```
$(function () {  
  $('[title]').tooltip({  
    show: {  
      delay: 400  
    },  
  },
```

```
position: {  
  my: "center bottom-5",  
  at: "center top"  
}  
});  
});
```

If I count the title attributes in the page with 100 issue statuses, I have 34454 items.

When I remove this code, the page loads correctly.

However I do not know the right way to fix it.

Hope this can help the fix.

#3 - 2020-11-18 14:07 - Marius BALTEANU

- Assignee set to Marius BALTEANU

#4 - 2020-11-26 08:58 - Andrea Valle

As a workaround at the moment I changed the line:

```
$('#[title]').tooltip({
```

with this:

```
$("#body:not('.controller-workflows.action-edit') [title]").tooltip({
```

It disables redmine tooltip on that page.

However browser still renders tooltip with its default behaviour.

#5 - 2020-12-12 13:30 - Marius BALTEANU

- File `disable_tooltip_in_workflow_status_transition.patch` added

- Target version set to 4.1.2

The attached patch changes the tooltip selector in order to ignore elements with class `no-tooltip` and add this class to all cells from workflow status transitions tab.

What else we can do is to add this class only when there are more than x transitions.

#6 - 2020-12-12 13:31 - Marius BALTEANU

- Assignee deleted (Marius BALTEANU)

@Andrea Valle, can you test this solution and tell me if works for you?

#7 - 2021-01-03 07:46 - Go MAEDA

Thank you for posting the patch but I found that the patch breaks an existing test.

```
$ ruby test/functional/workflows_controller_test.rb  
Run options: --seed 54329
```

```
# Running:
```

```
...F
```

```
Failure:
```

```
WorkflowsControllerTest#test_get_edit_should_show_checked_disabled_transition_checkbox_between_same_statuses  
[test/functional/workflows_controller_test.rb:125]:  
Expected at least 1 element matching "td[title='New » New'][class='enabled']", found 0..  
Expected 0 to be >= 1.
```

```
bin/rails test test/functional/workflows_controller_test.rb:122
```

Applying the following patch before/after attachment:disable_tooltip_in_workflow_status_transition.patch fixes the error.

```
Index: test/functional/workflows_controller_test.rb
```

```
=====
```

```
--- test/functional/workflows_controller_test.rb (リビジョン 20700)  
+++ test/functional/workflows_controller_test.rb (空白コピー)  
@@ -125,7 +125,7 @@  
     assert_select 'table.workflows.transitions-always tbody tr:nth-child(2)' do  
       assert_select 'td.name', :text => 'New'  
       # assert that the td is enabled  
-     assert_select "td[title='New » New'][class=?]", 'enabled'  
+     assert_select "td.enabled[title='New » New']"  
       # assert that the checkbox is disabled and checked  
       assert_select "input[name='transitions[1][1][always]'][checked=?][disabled=?]", 'checked', 'disabled', 1  
     end
```

#8 - 2021-01-15 09:59 - Go MAEDA

Marius BALTEANU wrote:

```
| The attached patch changes the tooltip selector in order to ignore elements with class no-tooltip and add this class to all cells from workflow status  
| transitions tab.
```

I have confirmed the problem with 100 statuses. After applying the patch, Chrome finishes loading the page in 20 seconds and does not display "Page unresponsive" dialog box.

I will commit #34247#note-7 and attachment:disable_tooltip_in_workflow_status_transition.patch soon.

#9 - 2021-01-17 03:23 - Go MAEDA

- Subject changed from Show Workflow for all statuses hangs with about 100 issue statuses to Web browser freezes when displaying workflow page

with a large number of issue statuses

- Category changed from Issues workflow to Administration
- Status changed from New to Resolved
- Assignee set to Go MAEDA
- Resolution set to Fixed

Committed the fix. Thank you for your contribution.

#10 - 2021-01-18 13:12 - Go MAEDA

- Status changed from Resolved to Closed

#11 - 2021-01-19 09:59 - Go MAEDA

- Related to Patch #31441: Show elements titles using jQuery UI tooltips added

#12 - 2021-04-05 10:36 - Go MAEDA

- Related to Patch #35034: Improve loading speed of workflow page added

Files

docker-compose.yml	664 Bytes	2020-11-11	Andrea Valle
disable_tooltip_in_workflow_status_transition.patch	1.38 KB	2020-12-12	Marius BALTEANU