

D4Science Infrastructure - Support #857

Redmine integration in the Parthenos VRE: redirect does not work

Oct 01, 2015 05:31 PM - Alessia Bardi

Status:	Closed	Start date:	Oct 01, 2015
Priority:	Urgent	Due date:	
Assignee:	Massimiliano Assante	% Done:	100%
Category:		Estimated time:	0.00 hour
Infrastructure:	Production		
Description I commented a ticket for the Parthenos project from the redmine integrated into the VRE. When I saved the comment it tried to redirect me to " https://services.d4science.org/group/parthenos/issue-tracker#https://services.d4science.org/c/iframe/proxy?p_l_id=868301&p_p_id=48_INSTANCE_IG4b& ". The web page tells me "You are being redirected." but that's not true :) The same happens if I create a new ticket. If you want to reproduce/test, you can use ticket #856.			

History

#1 - Oct 01, 2015 06:11 PM - Massimiliano Assante

- Assignee changed from Massimiliano Assante to Luca Frosini
- Priority changed from Normal to High

I was able to reproduce the problem with Chrome (clicking submit button does not give any feedback to the user but the comment is submitted correctly).

In firefox on submit it says you are not redirected, it tells "You are being redirected" and stops. In Safari all good.

forgot to mention that all of this happens only when Redmine is i-framed. It works if used outside the iframe. I suspect Chrome and Firefox use some sort of security checks not allowing the submit if the URL is different from the one of the source page,

[Luca Frosini](#) could you please check what could be the problem.

#2 - Oct 01, 2015 06:13 PM - Massimiliano Assante

Given my comment above [Pasquale Pagano](#) this is definitely a problem for us. If my suspect is confirmed (Chrome and Firefox use some sort of security checks on submits) we may have to remove the redmine into VRE integration

#3 - Oct 01, 2015 08:03 PM - Pasquale Pagano

we need to understand how to do it ... more than remove from the VRE

#4 - Oct 01, 2015 10:40 PM - Luca Frosini

I have the same situation in firefox on ubuntu.

I think is a security issues of the browser. Try to check on google this kind of issue, maybe is something related to "cross-origin"

#5 - Oct 02, 2015 12:14 PM - Massimiliano Assante

- Status changed from New to In Progress
- Assignee changed from Luca Frosini to Massimiliano Assante
- Priority changed from High to Urgent

it's not the cross-origin. It's the mixed active content issue. (https vs. http). I try to explain what happens with this example:

Suppose you're commenting issue #856, when you click on commit Remine redirects to <http://support.d4science.org/issues/856> instead of <https://support.d4science.org>...

Here's the Firefox console:

Bloccato il caricamento di contenuto misto attivo (mixed active content) "<http://support.d4science.org/issues/856>"

I'm not sure but, perhaps a Rewrite Rule on the Redmine apache2 reverse proxy (do we have that?) may solve the issue. Sth like whenever i get

<http://support.d4science.org> -move it to <https://support.d4science.org>

[Andrea Dell'Amico Tommaso Piccioli](#) what do you think?

Also, it is weird we just found out now.

#6 - Oct 02, 2015 01:14 PM - Andrea Dell'Amico

We already have a reverse proxy, the ruby container cannot live without it. And there's a permanent redirection to the ssl enabled site:

Redirect permanent / <https://support.d4science.org/>

What it seems to me is that the portal is calling http URLs, so the 'mixed active content' issue happens before the redirection to the https site.

#7 - Oct 02, 2015 03:14 PM - Massimiliano Assante

What do you mean by the portal? You mean Liferay?

#8 - Oct 02, 2015 03:24 PM - Massimiliano Assante

Liferay is not involved. See below

In short: first an http post over HTTPS with the comment payload is made, right after that a GET over HTTP to show the commit result, then the reverse proxy answer 301 Moved Permanently and another GET over HTTPS is performed. Problem is that Firefox and Chrome block the GET over HTTP.

Here is the sequence of what happens when you click commit on a comment (with or without Iframe).

POST 856
<https://support.d4science.org>
146.48.122.8:443

302 Found

GET 856
<http://support.d4science.org>
146.48.122.8:80
301 Moved Permanently

GET 856
<https://support.d4science.org>
146.48.122.8:443

200 OK

#9 - Oct 02, 2015 03:28 PM - Luca Frosini

The problem is in Redmine. If you try to use it outside of the portal you have the same behaviour (mixed active content). The behaviour is blocked by the browser for security issues in iframes.

#10 - Oct 02, 2015 03:31 PM - Massimiliano Assante

Luca Frosini wrote:

The problem is in Redmine. If you try to use it outside of the portal you have the same behaviour (mixed active content). The behaviour is blocked by the browser for security issues in iframes.

indeed that is what I meant before. We should modify Redmine somehow to make all the request over https, not sure how to do this, any hint?

#11 - Oct 02, 2015 03:38 PM - Andrea Dell'Amico

Massimiliano Assante wrote:

Luca Frosini wrote:

The problem is in Redmine. If you try to use it outside of the portal you have the same behaviour (mixed active content). The behaviour is blocked by the browser for security issues in iframes.

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redmine is already configured to use https as a protocol (administration -> settings) and the redirect rule should deal with all the non encrypted http requests.

Logging is now split between encrypted and not encrypted traffic so that we can investigate better.

#12 - Oct 02, 2015 03:49 PM - Luca Frosini

Even if we have the right https url, maybe a solution can be this:

This happens when Apache sending requests to a backend server, like mongrel or thin. Apache isn't telling the backend server to use https so the links are generated incorrectly. Add the following configuration to Apache:

RequestHeader set X_FORWARDED_PROTO 'https'

Found here:

<http://www.redmine.org/projects/redmine/wiki/FAQ#Why-does-Redmine-use-http-links-when-I-want-it-to-use-https-links-in-Apache-SSL>

#13 - Oct 02, 2015 03:51 PM - Andrea Dell'Amico

Trying it right now.

#14 - Oct 02, 2015 03:52 PM - Andrea Dell'Amico

- Category set to System Application
- Status changed from In Progress to Feedback
- Assignee changed from Massimiliano Assante to _InfraScience Systems Engineer
- % Done changed from 0 to 80

It seems it's working, I didn't see a HTTP post for my action.

#15 - Oct 02, 2015 03:56 PM - Andrea Dell'Amico

Let me know if you prefer to switch from http to https with a rewrite rule or a redirect one.

#16 - Oct 02, 2015 04:00 PM - Massimiliano Assante

- Category deleted (System Application)
- Assignee changed from _InfraScience Systems Engineer to Massimiliano Assante
- % Done changed from 80 to 90

Problem seems solved, [Alessia Bardi](#) can you double check?

#17 - Oct 02, 2015 05:21 PM - Alessia Bardi

- Status changed from Feedback to Resolved

I confirm it works now both on firefox and chrome. Thanks

#18 - Oct 02, 2015 05:29 PM - Massimiliano Assante

- Status changed from Resolved to Closed
- % Done changed from 90 to 100