

Redmine - Feature #13088

CDN support to jquery/ui lib

2013-02-06 09:06 - Bill Wang

Status:	New	Start date:	
Priority:	Normal	Due date:	
Assignee:		% Done:	0%
Category:	Administration	Estimated time:	0.00 hour
Target version:	Candidate for next major release		
Resolution:			
Description			
1. add CDN support to jquery/ui lib -> include css and image files 2. Supports multiple CDN. (Google, Microsoft, jquery.com, etc.) -> maybe from config file? 3. jQuery version is automatically detected -> no duplicated 4. Automatically fallback to local bundled if CDN is down or unreachable			

History

#1 - 2013-02-07 11:38 - Daniel Felix

- Category set to Administration

- Target version set to Candidate for next major release

1. and 4. could be integrated with something like this (from HTML5 Boilerplate)

```
<script src="//ajax.googleapis.com/ajax/libs/jquery/1.8.0/jquery.min.js"></script>
```

```
<script>window.jQuery || document.write('<script src="js/vendor/jquery-1.8.0.min.js"></script>')</script>
```

2. The first line of the above mentioned code could be dynamic, which is generated depending on the settings in the administration. There could be something like a pulldown (just local, jquery, microsoft, google, etc.)

3. Hm, well an automatic detection could be tricky. Example: jQuery updates to jQuery 2.x which possibly remove some function or change some function definition. This could break some features. I would prefer, that the developers choose which version should be used or not.

#2 - 2013-02-07 11:50 - Etienne Massip

Don't forget that Redmine can be deployed on a LAN not connected to the Internet.

#3 - 2013-02-07 21:24 - Jan Niggemann (redmine.org team member)

Etienne Massip wrote:

Don't forget that Redmine can be deployed on a LAN not connected to the Internet.

Wouldn't that match case no 4?

#4 - 2013-02-08 07:22 - Bill Wang

3. Hm, well an automatic detection could be tricky. Example: jQuery updates to jQuery 2.x which possibly remove some function or change some function definition. This could break some features. I would prefer, that the developers choose which version should be used or not.

I mean what version of lib we get from CDN should be same as the version from local bundled. so it is same API whatever from CDN or local.

#5 - 2013-02-08 09:15 - Daniel Felix

Etienne Massip wrote:

Don't forget that Redmine can be deployed on a LAN not connected to the Internet.

Well this would be handled by my mentioned code above. If the extern server isn't available, the local code would be handled.
OR:

See my point two. If the user selects "none", just the local source would be used.

#6 - 2013-02-08 12:27 - Etienne Massip

I'm not sure Redmine should handle CDN configuration; administrators who want to have assets delivered by CDN should already be able to do such with some config:

```
ActionController::Base.asset_host = Proc.new { |source|
  if source =~ /.*jquery.*|
    "//ajax.googleapis.com/ajax/libs/jquery"
  end
}
```

(this is a hand-written untested probably nonfunctional example)

You can add fallback mechanism, etc.

See <http://api.rubyonrails.org/classes/ActionView/Helpers/AssetTagHelper.html>.

#7 - 2013-02-17 11:26 - Jean-Philippe Lang

JQuery and JQuery-UI are merged in Redmine assets so it wouldn't work. It's hacky anyway and would make the upgrade process painful. That's the purpose of this request to make using a CDN straightforward.

#8 - 2013-02-17 19:47 - Etienne Massip

Jean-Philippe Lang wrote:

JQuery and JQuery-UI are merged in Redmine assets so it wouldn't work.

That was a non-functionnal example for demonstration purpose.

It's hacky anyway

It's Rails configuration?

and would make the upgrade process painfull.

Why would it be? Could be in config/additional_environment.rb, couldn't it?

That's the purpose of this request to make using a CDN straightforward.

IMHO this should be handled by the Rails stack since it can be, rather than Redmine.

#9 - 2013-02-17 22:50 - Jean-Philippe Lang

Sure, you can do pretty much everything in additional_environment.rb if you know about Rails configuration (which changes quite often BTW), Ruby, regexp and all but that's not what we can call "configuration". What I see here is a way to enable a CDN by simply uncommenting something like `jquery_cdn: google` in configuration.yml.