Redmine - Feature #13088
CDN support to jquery/ui lib
2013-02-06 09:06 - Bill Wang

<table>
<thead>
<tr>
<th>Status:</th>
<th>New</th>
</tr>
</thead>
<tbody>
<tr>
<td>Priority:</td>
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</tr>
<tr>
<td>Assignee:</td>
<td></td>
</tr>
<tr>
<td>Category:</td>
<td>Administration</td>
</tr>
<tr>
<td>Target version:</td>
<td>Candidate for next major release</td>
</tr>
<tr>
<td>Resolution:</td>
<td></td>
</tr>
<tr>
<td>Start date:</td>
<td></td>
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<tr>
<td>Due date:</td>
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<tr>
<td>% Done:</td>
<td>0%</td>
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<tr>
<td>Estimated time:</td>
<td>0.00 hour</td>
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</tbody>
</table>

**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:

```ruby
 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](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 painful.

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.