Foreman - Bug #4838

Foreman is not accessible when browser locale is set to Czech

03/25/2014 12:46 PM - Lukas Zapletal

Status:	Rejected		
Priority:	Normal		
Assignee:			
Category:	Internationalization		
Target version:			
Difficulty:		**Fixed in Releases:**	
Triaged:		**Found in Releases:**	
Bugzilla link:		**Red Hat JIRA:**	
Pull request:			

Description

Steps to reproduce:

1) Setup your first preferred language to unsupported one (e.g. not English or German, but Czech)
2) Access freshly installed foreman instance for the first time
3) Error in the log:

```
ArgumentError (cannot parse Cookie header: invalid %-encoding (%7B%22authorized%22%3Afalse%2C%22in
ternal%22%3Afalse%
2C%22lang%22%3A%22cs%22%2C%22lang_err_msg%22%3A%22The%20page%20you%20have%20selected%20is%20not%20
yet%20available%20
in%20%u010De%u0161tina.%20We%20are%20working%20to%20make%20sure%20all%20content%20is%20available%2
0in%20%u010De%u016
1tina%2C%20but%20in%20order%20to%20display%20the%20page%20we%20have%20switched%20your%20language%2
0to%20English.%22%
2C%22hello%22%3A%22Hello%2C%22%2C%22description_placeholder%22%3A%22Enter%20a%20description%22%7D)
)
```

Yes, this is a cookie error, but from the text I see (briefly decoded in vim):

```
ArgumentError (cannot parse Cookie header: invalid %-encoding (%7B%22authorized%22%3Afalse%2C%22in
ternal%22%3Afalse%
2C%22lang%22%3A%22cs%22%2C%22lang_err_msg%22%3A%22The page you have selected is not yet available
in %u010De%u0161tina. We are working to make sure all content is available in %u010De%u016
1tina%2C but in order to display the page we have switched your language to English.%22%
2C%22hello%22%3A%22Hello%2C%22%2C%22description_placeholder%22%3A%22Enter a description%22%7D))
```

I get this every time and it started last week (with nightlies). We had to change something in our i18n code, something is apparently messing up my cookies and since I get random hostnames in beaker, it does this every request. Quick googling shows this **might** be something in jQuery, but I am not sure.

History

#1 - 03/25/2014 12:54 PM - Dominic Cleal

- Category set to Internationalization

#2 - 04/09/2014 07:33 AM - Lukas Zapletal

After some investigation, it looks like something stored incorrect data into Chrome remembered password:

```
rh_omni_tc=70160000000H4AoAAK; s_dmdbase=rsp%3Dnomatch; s_nr=1395742051663; s_ria=flash%2012%7Csilverlight%20n
ot%20detected; rh_elqCustomerGUID=eb7d9da7-94f9-4742-8f5c-043a7e47c894; chrome_user_remember=%7B%22remembered%
22%3Atrue%7D; chrome_user_info=%7B%22authorized%22%3Afalse%2C%22internal%22%3Afalse%2C%22lang%22%3A%22cs%22%2C
%22lang_err_msg%22%3A%22The%20page%20you%20have%20selected%20is%20not%20yet%20available%20in%20%u010De%u0161ti
na.%20We%20are%20working%20to%20make%20sure%20all%20content%20is%20available%20in%20%u010De%u0161tina%2C%20but
%20in%20order%20to%20display%20the%20page%20we%20have%20switched%20your%20language%20to%20English.%22%2C%22hel
lo%22%3A%22Hello%2C%22%2C%22description_placeholder%22%3A%22Enter%20a%20description%22%7D; s_vnum=139833386153
7%26vn%3D11; s_fid=41196760D5C26DC1-2DC7452184CAF32C; s_cc=true; s_sq=%5B%5BB%5D%5D; s_vi=[CS]v1|2998AA53051D3
```

#3 - 04/09/2014 07:58 AM - Lukas Zapletal

- Status changed from New to Rejected

Wow, it turns out it is a bug in access.redhat.com portal which I reported:

https://bugzilla.redhat.com/show_bug.cgi?id=1085711

It broke my Foreman instances in Beaker :-)

#4 - 04/16/2014 07:32 AM - Lukas Zapletal

It looks like we will not have prompt response from the portal team, I did additional research and it looks like the parsing exception is thrown in Passenger/Rack:

```
ArgumentError (cannot parse Cookie header: invalid %-encoding (%7B%22authorized%22%3Afalse%2C%22internal%22%3A
false%2C%22lang%22%3A%22cs%22%2C%22lang_err_msg%22%3A%22The%20page%20you%20have%20selected%20is%20not%20yet%20
available%20in%20%u010De%u0161tina.%20We%20are%20working%20to%20make%20sure%20all%20content%20is%20available%2
0in%20%u010De%u0161tina%2C%20but%20in%20order%20to%20display%20the%20page%20we%20have%20switched%20your%20lang
uage%20to%20English.%22%2C%22hello%22%3A%22Hello%2C%22%2C%22description_placeholder%22%3A%22Enter%20a%20descri
ption%22%7D)):
  /usr/lib/ruby/gems/1.8/gems/passenger-4.0.5/lib/phusion_passenger/rack/thread_handler_extension.rb:77:in `pr
ocess_request'
  /usr/lib/ruby/gems/1.8/gems/passenger-4.0.5/lib/phusion_passenger/request_handler/thread_handler.rb:140:in `
accept_and_process_next_request'
  /usr/lib/ruby/gems/1.8/gems/passenger-4.0.5/lib/phusion_passenger/request_handler/thread_handler.rb:108:in `
main_loop'
  /usr/lib/ruby/gems/1.8/gems/passenger-4.0.5/lib/phusion_passenger/request_handler.rb:441:in `block (3 levels
) in start_threads'
```

It's not a bug in upstream, but rather using incorrect (JavaScript in this case) encoder: https://github.com/rack/rack/pull/360

```
>> require "uri"
=> true
>> URI.decode '(%7B%22authorized%22%3Afalse%2C%22internal%22%3Afalse%2C%22lang%22%3A%22cs%22%2C%22lang_err_msg
%22%3A%22The%20page%20you%20have%20selected%20is%20not%20yet%20available%20in%20%u010De%u0161tina.%20We%20are%
20working%20to%20make%20sure%20all%20content%20is%20available%20in%20%u010De%u0161tina%2C%20but%20in%20order%2
0to%20display%20the%20page%20we%20have%20switched%20your%20language%20to%20English.%22%2C%22hello%22%3A%22Hell
o%2C%22%2C%22description_placeholder%22%3A%22Enter%20a%20description%22%7D'
=> "({\"authorized\":false,\"internal\":false,\"lang\":\"cs\",\"lang_err_msg\":\"The page you have selected is
 not yet available in %u010De%u0161tina. We are working to make sure all content is available in %u010De%u0161
tina, but in order to display the page we have switched your language to English.\",\"hello\":\"Hello,\",\"des
cription_placeholder\":\"Enter a description\"}"
```

This bug appears only if you visit the portal with unsupported language set in your browser that has diacritics in the language name. Unlucky Čeština
:-)

I am pushing on the portal devs to fix this.