Foreman - Bug #27791

UI: content-security-policy + hostname prevents us from using a reverse proxy

09/05/2019 10:00 AM - ruben malchow

Status:	Need more information		
Priority:	Normal		
Assignee:			
Category:	Web Interface		
Target version:			
Difficulty:	easy	**Fixed in Releases:**	
Triaged:	No	**Found in Releases:**	1.22.1
Bugzilla link:		**Red Hat JIRA:**	
Pull request:			

Description

hi,

we're runnning a reverse proxy in front of foreman with a different hostname. this works just fine for almost everything. it does NOT work for (at least) one specific case:

in:

`app/views/hosts/_operating_system.html.erb`

there is this button ("resolve templates"):

`<%= link_to_function icon_text("refresh", _("Resolve")), "template_info('#templates_info','#{template_used_hosts_url(:id => @host.id)}')", :class => "btn btn-default" %>`

and in this, this part:

`'#{template_used_hosts_url(:id => @host.id)}'`

renders the "internal" hostname, which

`a.) doesn't work (that hostname is not reachable directly in our case)     b.) it conflicts with the content security policy (which only "self" allowed, disabling all cross origin ajax)`

since the hostname needed here should simply be whatever the origin is, i am assuming that this should be an easy fix. since i don't know all the internals & details, this assumption could of course be blatantly wrong. if it IS easy, we would be extremely happy if this was fixed (and possibly any other places where this pattern appears). also, not sure if this really counts as a bug.

thank you very much

ruben malchow

History

#1 - 09/05/2019 11:23 AM - Ohad Levy

I am not sure you are describing the correct issue, the @host.id is simply the ID value from the DB (in the hosts table) I am don't think its related at all to a load balancer / proxy.

Foreman is working well with a LB / proxy so I'm a bit confused on why it doesn't work for you..can you share exact details (e.g. browser / server logs)?

#2 - 09/05/2019 11:23 AM - Ohad Levy

- Status changed from New to Need more information

#3 - 09/05/2019 12:24 PM - ruben malchow

- File Screenshot 2019-09-05 at 11.14.04.png added

- File Screenshot 2019-09-05 at 11.13.50.png added

hello ohad,

yes, for the most part everything is working fine. it is only the button "resolve" button in the screenshot that misbehaves.

the URL in the browser (i.e. the one pointing to the reverse proxy) is "foreman.mcon-group.com", so this is also the origin, but the button is rendered with an "onclick" event that takes a hostname, and in this case the hostname is "foreman.mcon-group.systems", which is the name behind the reverse proxy.

this hostname is then used in an ajax request, which then fails due to the settings from the content security policy headers.

Files

Screenshot 2019-09-05 at 11.14.04.png	18.3 KB	09/05/2019	ruben malchow
Screenshot 2019-09-05 at 11.13.50.png	27.7 KB	09/05/2019	ruben malchow