

Foreman - Feature #26651

Support component re-mounting on partials from AJAX

04/18/2019 01:25 PM - Ondřej Pražák

Status: Ready For Testing	
Priority: Normal	
Assignee: Ondřej Pražák	
Category:	
Target version:	
Difficulty:	Fixed in Releases:
Triaged: No	Found in Releases:
Bugzilla link:	Red Hat JIRA:
Pull request: https://github.com/foreman/foreman/pull/6699	
Description	
We use <code>mount_react_component</code> helper that inserts script, which takes care of mounting React components. The problem is that script tags do not evaluate when inserted into DOM as innerHTML. When AJAX calls to retrieve partial which is inserted into page, the script does not run and react component is not mounted.	
We should make sure that react components do not disappear when they are in a partial that is rendered via AJAX.	
Related issues:	
Related to Foreman - Feature #26735: Mount react components from web components	Closed
Blocks Ansible - Bug #26645: Ansible roles switcher not mounted after form pa...	Closed

History

#1 - 04/18/2019 01:32 PM - Ondřej Pražák

- Blocks Bug #26645: Ansible roles switcher not mounted after form partial re-render added

#2 - 04/18/2019 01:52 PM - The Foreman Bot

- Status changed from New to Ready For Testing

- Pull request <https://github.com/foreman/foreman/pull/6699> added

#3 - 04/18/2019 06:00 PM - Ondřej Ezr

This is not a default behaviour of ajax :thinking: by default it is running the scripts it is adding (`$ajax.load`), so I believe it is problem in just specific corner cases, where we are setting the content wrong manually.
Could you please share where we are hitting the problem?

#4 - 04/23/2019 06:08 AM - Ondřej Pražák

Ondřej Ezr wrote:

This is not a default behaviour of ajax :thinking: by default it is running the scripts it is adding (`$ajax.load`), so I believe it is problem in just specific corner cases, where we are setting the content wrong manually.
Could you please share where we are hitting the problem?

We use `$.ajax` and then insert the content: https://github.com/foreman/foreman/blob/develop/app/assets/javascripts/host_edit.js#L314

This is causing problems for Ansible roles switcher, see <https://projects.theforeman.org/issues/26645> and <https://community.theforeman.org/t/unable-to-assigne-ansible-roles-to-host-hostgroups/13634/13>

#5 - 04/26/2019 10:49 AM - Ondřej Ezr

Well, that is a bit different problem than you are describing and I am thinking if this is the right approach...

I believe the problem lays in mounting component on elements which are not part of DOM just yet. React tries to mount the functionality on jQuery virtual DOM object, but looking for it in dom. Do not find it, gives up and than the element is injected into dom by jquery.

So I believe running the script once more is not really nice solution, though as a workaround works.

#6 - 05/02/2019 07:10 PM - Ondřej Ezr

- Related to Feature #26735: Mount react components from web components added