

Foreman - Bug #2645

non-admin users can not create a Smart Variable or Smart Class Parameter

06/10/2013 12:50 PM - Anonymous

Status: Closed	
Priority: Normal	
Assignee: Joseph Magen	
Category: Users, Roles and Permissions	
Target version: 1.2.0	
Difficulty:	Fixed in Releases:
Triaged:	Found in Releases:
Bugzilla link:	Red Hat JIRA:
Pull request:	
Description	
There is no way to assign permissions to a user that will allow them to create or edit a Smart Class Parameter or Smart Variable.	
They can navigate to More>Configuration>Puppet Classes, select a class, attempt to edit it, and can even click Submit, without receiving an error, but the create/edit fails to do anything.	
This issue appears to exist for both 1.1 and 1.2	
Dominic pointed me to http://projects.theforeman.org/issues/show/2386 , which at least addresses part of the problem in 1.2, in that users can at least override existing parameters inherited by their host, but I'd still like to be able to allow users to create the parameters they need themselves.	
Related issues:	
Related to Foreman - Bug #2386: No way to set create_lookupvalue and related ...	Closed 04/10/2013

Associated revisions

Revision ff2677e3 - 06/28/2013 11:28 AM - Joseph Magen

fixes #2645 - non-admin users can now create smart variables

Revision f4b2185c - 06/28/2013 11:53 AM - Joseph Magen

fixes #2645 - non-admin users can now create smart variables
(cherry picked from commit ff2677e3c6689388958f055c50ad075191510e87)

History

#1 - 06/10/2013 12:53 PM - Dominic Cleal

- Category set to Users, Roles and Permissions
- Target version set to 1.2.0

#2 - 06/18/2013 07:35 AM - Joseph Magen

- Status changed from New to Assigned
- Assignee set to Joseph Magen

#3 - 06/18/2013 09:36 AM - Joseph Magen

- Status changed from Assigned to Ready For Testing

<https://github.com/theforeman/foreman/pull/728>

Jason, can you test if this PR works

#4 - 06/18/2013 12:01 PM - Anonymous

I applied this and restarted httpd (using passenger) and as far as I can tell this made no difference in the behavior. It still just flips me back from the "Smart Variables" to the "Puppet Class" tab and refuses to save.

#5 - 06/19/2013 07:36 AM - Joseph Magen

Jason,

You're right. Why change had no effect, since I previously overrode `enforce_permissions` in `lookup_value.rb` (the class for smart variables)

The non-admin has permission if the `fqdn` matches or the `hostgroup` matches.

```
when /^fqdn=(.*)/
  # check if current fqdn is in our allowed list
  Host.my_hosts.where(:name => $1).exists?
  when /^hostgroup=(.*)/
  # check if current hostgroup is in our allowed list
  Hostgroup.my_groups.where(:label => $1).exists?
```

Does the smart variable that you trying to create have a matcher on `fqdn` or `hostgroup`?

#6 - 06/19/2013 12:44 PM - Anonymous

I just edited a host in my 1.2 test setup and added a parameter to make sure I had access to edit it and I do.

I then went to create a smart variable with a matcher rule for the `fqdn` of the same host. It did not save, as has been the case.

When I went to edit the Value of an already existing smart variable that matches `fqdn=<host>` it told me "You do not have permission to edit this lookupkey"

In the production 1.1 system we originally found this problem in the match rule was very specific, for a single host which was created by the user trying to create the smart variable.

Also, since there is a default value, which will apply to any host with the class, regardless of the match rule/value parameter how is the permission taken care of for this (my thought was that it would be possible to allow a user to edit smart variables/parameters globally or even on a per environment or puppet class level down the road...)

#7 - 06/23/2013 06:11 AM - Joseph Magen

Jason,

I think it may be due to the setup in roles/permissions. Go to <http://yourdomain/roles/report>

Btw, Redmine is not sending me e-mail notifications even the setting is set. Can you email me at jmagen@redhat.com so I can respond quicker.

Creating Smart Variables or Smart Class Parameters adds a record to the `lookup_keys` table in the database.
Overriding values based on a matcher adds a record to the `lookup_values` table in the database

If you look at `lib/foreman/access_permissions.rb`, there is different roles for managing `lookup_keys` verses `lookup_value`

To create, update, or destroy a Smart Variable (`lookup_key`), you need the role of `Edit Puppetclasses`

To create, update, or destroy a Overridden Value (`lookup_value`), you need the role of `Create/Edit/Destroy External Variables`

```
map.permission :edit_puppetclasses,    {:puppetclasses => [:edit, :update],
                                       :api/v1/puppetclasses => [:update],
                                       :api/v2/puppetclasses => [:update],
                                       :lookup_keys => [:create, :update, :destroy],
                                       :api/v1/lookup_keys => [:create, :update, :destroy],
                                       :api/v2/lookup_keys => [:create, :update, :destroy]}

map.security_block :external_variables do |map|
  map.permission :view_external_variables,  {:lookup_keys => [:index, :show, :auto_complete_search],
                                             :lookup_values => [:index]}
  map.permission :create_external_variables, {:lookup_keys => [:new, :create],
                                             :lookup_values => [:create]}
  map.permission :edit_external_variables,  {:lookup_keys => [:edit, :update],
                                             :lookup_values => [:create, :update, :destroy]}
  map.permission :destroy_external_variables, {:lookup_keys => [:destroy],
                                              :lookup_values => [:destroy]}
end
```

#8 - 06/24/2013 09:24 AM - Anonymous

I went one further over the weekend and applied every permission available in the role (used check all and verified everything was checked before submitting) and went back as the user and tried again. I am still unable to create a smart variable as the user.

Even before that I had the all of the puppet classes and external variables permissions applied, save for import puppet classes.

#9 - 06/24/2013 09:25 AM - Anonymous

I should also add that I have Orgs and Locs enabled, in case that makes a difference...

#10 - 06/24/2013 09:46 AM - Anonymous

The other interesting thing, is that I still cannot go in and add a matcher-value if I got into More>Configuration>Puppet Classes and try to edit a Smart Class Parameter or Smart Variable and add fqdb=<host>. But if I go and edit the same host and override the value on the host it works fine and even shows up as a Match on the parameter afterward.

#11 - 06/24/2013 02:08 PM - Joseph Magen

Jason, what is the error? Can you attach or paste a log file. I'm at a loss, since when I logged in as a non-admin, I can create/edit smart variables???

#12 - 06/25/2013 06:41 AM - Joseph Magen

Hi Jason, I found the error together with Amos. Check it out.

<https://github.com/theforeman/foreman/pull/728>

#13 - 06/28/2013 10:58 AM - Anonymous

I think I mentioned it over irc, but the pull in the previous comment appears to fix this.

#14 - 06/28/2013 12:17 PM - Joseph Magen

- Status changed from Ready For Testing to Closed

- % Done changed from 0 to 100

Applied in changeset [f4b2185cea466ea870bdc56cfd9dec49ec427f](https://github.com/theforeman/foreman/pull/728).