Foreman - Bug #28155

Cannot view Compute-Profiles from a specific Compute-Resource

10/30/2019 01:21 PM - Joerg Hinz

Status:	Closed		
Priority:	High		
Assignee:	Bernhard Suttner		
Category:	Compute resources - VMware		
Target version:			
Difficulty:	medium	**Fixed in Releases:**	3.1.1, 3.2.0
Triaged:	No	**Found in Releases:**	
Bugzilla link:	1856626	**Red Hat JIRA:**	
Pull request:	https://github.com/theforeman/foreman/pull/9006		

Description

After upgradeing a few Foreman-releases (from 1.13 to 1.23 (all releases have been applied)), we now noticed a bit later, that all compute-profiles from ONE specific compute-resource cannot be view/edited in the GUI anymore.

Using "Infrastructure" -> "Compute Profiles" -> select one -> then the Compute Ressources are listed.

We have 5 VMware-Compute-Resources defined.

Selecting the non-problematic-ones show the menü to set up VM-specs.

Selecting the problematic Resource displays the error page with "Oops, we're sorry but something went wrong undefined method `gsub' for nil:NilClass", the full-trace starts with:

ActionView::Template::Error
undefined method `gsub' for nil:NilClass
/usr/share/foreman/app/models/concerns/fog_extensions/vsphere/folder.rb:6:in `to_label'
/opt/theforeman/tfm-ror52/root/usr/share/gems/gems/actionview-5.2.1/lib/action_view/helpers/form_options_helper.rb:805:in `value_for_collection'
/opt/theforeman/tfm-ror52/root/usr/share/gems/gems/actionview-5.2.1/lib/action_view/helpers/form_options_helper.rb:402:in `block in options_from_collection_for_select'
/opt/theforeman/tfm-ror52/root/usr/share/gems/gems/actionview-5.2.1/lib/action_view/helpers/form_options_helper.rb:401:in `map'
/opt/theforeman/tfm-ror52/root/usr/share/gems/gems/actionview-5.2.1/lib/action_view/helpers/form_options_helper.rb:401:in `options_from_collection_for_select'
/opt/theforeman/tfm-ror52/root/usr/share/gems/gems/actionview-5.2.1/lib/action_view/helpers/tags/collection_select.rb:23:in `render'
/opt/theforeman/tfm-ror52/root/usr/share/gems/gems/actionview-5.2.1/lib/action_view/helpers/form_options_helper.rb:204:in `collection_select'
/opt/theforeman/tfm-ror52/root/usr/share/gems/gems/actionview-5.2.1/lib/action_view/helpers/form_options_helper.rb:835:in `collection_select'
/usr/share/foreman/app/helpers/form_helper.rb:131:in `block in select_f'
/usr/share/foreman/app/helpers/form_helper.rb:379:in `block (3 levels) in field'
[...]

Is there any solution beside deleting the problematic resource (and all profiles with it)?

We would really appreciate a hint how to solve that issue.

Related issues:

Has duplicate Foreman - Bug #30550: Unable to create compute profile for spec...	**Duplicate**

Associated revisions

Revision 951efe8a - 01/06/2022 10:41 AM - Bernhard Suttner

Fixes #30550,#28155 - Return valid vsphere folder (#9006)

History

#1 - 10/30/2019 04:17 PM - Joerg Hinz

- Subject changed from Cannot view Compute-Profilles from a specific Compute-Resource to Cannot view Compute-Profiles from a specific Compute-Resource

#2 - 11/05/2019 02:05 PM - Tomer Brisker

- Category changed from Web Interface to Compute resources - VMware

#3 - 11/07/2019 02:34 PM - Joerg Hinz

- Difficulty changed from hard to medium

Anyone?

#4 - 11/26/2019 01:40 PM - Enrico Bartz

Hi Jörg,

I would first of all try to get the compute profiles via hammer:

```
[root@node3 ~]# hammer compute-profile list
---|---------
ID | NAME
---|---------
1  | 1-Small
2  | 2-Medium
3  | 3-Large
---|---------
```

Then try to get more details over the CLI:

```
[root@node3 ~]# hammer compute-profile info --id 3
[root@node3 ~]# hammer compute-profile info --id 3
ID:                 3
Name:               3-Large
Created at:         2019/11/26 13:13:47
Updated at:         2019/11/26 13:13:47
Compute attributes:
 1) ID:                 1
    Name:               4 CPUs and 16 GB memory
    Compute Resource: Xen1
    VM attributes:    {"vcpus_max"=>"4", "memory_min"=>"8489271296", "memory_max"=>"17179869184", "iso"=>"2844
d010-a140-4319-81c2-59a25acd1e60", "start"=>"1", "target_sr"=>"8cbdc0ba-e536-01b0-f4c1-da54bda17df7", "builtin
_template"=>"", "volumes_attributes"=>{"1574775028450"=>{"sr"=>"51cbbd45-eac9-13ff-9822-984052ddbf2a", "virtua
l_size_gb"=>"100"}}}
```

If that fails, you can still try to get something out of the database:

```
[root@node3 ~]# su - postgres
-bash-4.2$ psql
postgres=# \c foreman
foreman=# select * from compute_attributes;
 id | compute_profile_id | compute_resource_id |          name          |                              vm_a
ttrs                              |        created_at        |        updated_at
----+--------------------+---------------------+------------------------+----------------------------------
----------------------------------+--------------------------+--------------------------
  1 |                  3 |                   1 | 4 CPUs and 16 GB memory | --- !ruby/hash:ActiveSupport::HashW
ithIndifferentAccess              +| 2019-11-26 13:30:38.960835 | 2019-11-26 13:30:38.960835
    |                    |                     |                        | vcpus_max: '4'
    |                    |                    +|                        |
    |                    |                     |                        | memory_min: '8489271296'
    |                    |                    +|                        |
    |                    |                     |                        | memory_max: '17179869184'
    |                    |                    +|                        |
    |                    |                     |                        | iso: 2844d010-a140-4319-81c2-59a25a
cd1e60                            +|                        |
    |                    |                     |                        | start: '1'
    |                    |                    +|                        |
    |                    |                     |                        | target_sr: 8cbdc0ba-e536-01b0-f4c1-
da54bda17df7                      +|                        |
    |                    |                     |                        | builtin_template: ''
    |                    |                    +|                        |
    |                    |                     |                        | volumes_attributes: !ruby/hash:Acti
veSupport::HashWithIndifferentAccess+|                        |
    |                    |                     |                        |   '1574775028450': !ruby/hash:Activ
eSupport::HashWithIndifferentAccess +|                        |
```

```
        |                 |                 |                   |         sr: 51cbbd45-eac9-13ff-9822-984
052ddbf2a               +|                 |                 |
        |                 |                 |                   |         virtual_size_gb: '100'
                        +|                 |                 |
        |                 |                 |                   |
                         |                 |
(1 row)
```

You can also try to find something that is different with one of your compute resources and try to eliminate that on the database level.

You could also try to create a new Compute Ressource and afterwards change the association of the profiles on database level. You probably only need to change the 'compute_resource_id' of the profile.

Anyway, before changing anything on database level, make sure to create a backup => https://theforeman.org/manuals/1.23/index.html#5.5.1Backup

#5 - 11/27/2019 01:25 PM - Joerg Hinz

Hi Enrico,

using hammer (# hammer compute-profile list|grep ^[0-9]|cut -d\| -f1|xargs -iXX hammer compute-profile info --id XX) no profile fails.

Since we use hammer to deploy hosts, with the existing profiles Foreman works "as is".

But yet we cannot add new (working) profiles or edit the existing profiles from that single ressource.

Any clues what I can do?

#6 - 11/27/2019 04:00 PM - Joerg Hinz

When I choose a random compute profile, the error occurs only when selecting this one specific compute-ressource. If I choose any other ressource, no problem.

This looks like the problem is located inside the compute ressource.

Have you got any SQL-hints what to do to figure out what is wrong with this one compute-ressource?

Question: If I delete that Ressource, and create a new one with the same name, will the profiles still work?

#7 - 11/27/2019 04:16 PM - Joerg Hinz

Okay, you cannot delete a compute ressource without prior removing of all associated profiles :-(

#8 - 11/27/2019 04:52 PM - Joerg Hinz

Interesting:

/usr/share/foreman/app/models/concerns/fog_extensions/vsphere:

Original file fails on the specific ressource:

```
# cat folder.rb_ORIG
module FogExtensions
  module Vsphere
    module Folder
      extend ActiveSupport::Concern
      def to_label
        path.slice((path.index(datacenter) + datacenter.length + 1)..-1).gsub('/', ' / ')
      end
    end
  end
end
```

If I remove the ".gsub()"-appendix:

```
# cat folder.rb
module FogExtensions
  module Vsphere
    module Folder
      extend ActiveSupport::Concern
      def to_label
        path.slice((path.index(datacenter) + datacenter.length + 1)..-1)
      end
    end
  end
end
```

Problem is gone.

So why has this specific compute ressource a problem with method `gsub', while the others not?

#9 - 11/27/2019 05:17 PM - Joerg Hinz

I guess Foreman works in our case without that gsub-method, because we do not deploy VMs in subfolders inside die vSphere ressource-pool/cluster.

So I would take this code-modification as "workaround".

#10 - 12/21/2021 05:26 PM - Ondřej Ezr

- Has duplicate Bug #30550: Unable to create compute profile for specific vmware compute resource added

#11 - 12/21/2021 05:27 PM - Ondřej Ezr

- Bugzilla link set to 1856626

#12 - 12/21/2021 05:51 PM - The Foreman Bot

- Status changed from New to Ready For Testing

- Assignee set to Bernhard Suttner

- Pull request https://github.com/theforeman/foreman/pull/9006 added

#13 - 01/06/2022 10:42 AM - The Foreman Bot

- Fixed in Releases 3.2.0 added

#14 - 01/06/2022 11:01 AM - Bernhard Suttner

- Status changed from Ready For Testing to Closed

Applied in changeset [foreman|951efe8a0532739c249aba1984ae2dfa3d8656e2](#).

#15 - 01/19/2022 08:53 AM - Ondřej Ezr

- Fixed in Releases 3.1.1 added