**Foreman - Bug #26873**

**Host group selection in Create Host form fails: uninitialized constant**

Fog::Compute::Vsphere::Network

05/24/2019 09:28 PM - Bernhard Suttner

<table>
<thead>
<tr>
<th>Status:</th>
<th>Closed</th>
</tr>
</thead>
<tbody>
<tr>
<td>Priority:</td>
<td>High</td>
</tr>
<tr>
<td>Assignee:</td>
<td>Bernhard Suttner</td>
</tr>
<tr>
<td>Category:</td>
<td>Compute resources - VMware</td>
</tr>
<tr>
<td>Difficulty:</td>
<td></td>
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<tr>
<td>Target version:</td>
<td></td>
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<tr>
<td>Pull request:</td>
<td><a href="https://github.com/theforeman/foreman/pull/6803">https://github.com/theforeman/foreman/pull/6803</a></td>
</tr>
<tr>
<td>Triaged:</td>
<td>No</td>
</tr>
<tr>
<td>Fixed in Releases:</td>
<td>1.22.0</td>
</tr>
<tr>
<td>Bugzilla link:</td>
<td>1756439</td>
</tr>
<tr>
<td>Found in Releases:</td>
<td></td>
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</table>

**Description**

- Create a Host
- Select the Host Group in which a VMware compute resource is used
- The request is not successful
- In the log, the following issue appears:

```
ActionView::Template::Error: uninitialized constant Fog::Compute::Vsphere::Network
Did you mean?  Fog::Network
```

```
Did you mean?  Fog::Network
/opt/theforeman/tfm-ror52/root/usr/share/gems/gems/activesupport-5.2.1/lib/active_support/inflector/methods.rb:285:in `each'
/opt/theforeman/tfm-ror52/root/usr/share/gems/gems/activesupport-5.2.1/lib/active_support/inflector/methods.rb:281:in `inject'
/opt/theforeman/tfm-ror52/root/usr/share/gems/gems/activesupport-5.2.1/lib/active_support/inflector/methods.rb:281:in `constantize'
/opt/theforeman/tfm-ror52/root/usr/share/gems/gems/activesupport-5.2.1/lib/active_support/core_ext/string/inflections.rb:68:in `constantize'
/opt/theforeman/tfm-ror52/root/usr/share/gems/gems/activesupport-5.2.1/lib/active_support/core_ext/marshal.rb:726:in `value'
/opt/theforeman/tfm-ror52/root/usr/share/gems/gems/activesupport-5.2.1/lib/active_support/cache.rb:345:in `read'
```

```
/usr/share/foreman/app/services/compute_resource_cache.rb:34:in `read'
/usr/share/foreman/app/services/compute_resource_cache.rb:19:in `cache'
/usr/share/foreman/app/helpers/compute_resources_vms_helper.rb:77:in `vsphere_networks'
```

```
/usr/share/foreman/app/views/compute_resources_vms/form/vmware/_network.html.erb:6:in `_eb09ae03d5240a7122ea3891a470d1c'
```

```
/opt/theforeman/tfm-ror52/root/usr/share/gems/gems/actionview-5.2.1/lib/action_view/template.rb:159:in `block in render'
```

```
/31x186] tfm-rubygem-fog-vsphere-2.5.0
foreman-1.21.3
```

```
/31x175] tfm-rubygem-fog-1.42.1
```

```
/31x163] tfm-rubygem-fog-core-1.45.0-3
```

**There are similar reports:**


**Associated revisions**

Revision 6d78db20 - 05/28/2019 05:23 AM - Bernhard Suttner

03/24/2022
Fixes #26873 - fix vsphere networks (auto)-loading

Due to a race condition, sometimes the failure 'uninitialized constant Fog::Compute::Vsphere::Network' happens when using the compute-resource networks API.

Similar happen to Fog::Compute::Vsphere::Cluster

History

#1 - 05/24/2019 09:59 PM - Bernhard Suttner
Looks like, running a "Refresh Cache" on the "Infrastructure -> Compute Resources -> Your VMware Provider" can "fix" it. But I don't know if it happens again after some other request.

#2 - 05/25/2019 08:55 PM - Bernhard Suttner
... it happens again. So, refresh cache doesn't fix it completely and it happen somehow again. its a random issue and it looks like, maybe a timing issue.

#3 - 05/25/2019 10:00 PM - Bernhard Suttner
- Subject changed from Host group in Create Host form can not be selected: uninitialized constant Fog::Compute::Vsphere::Network to Host group selection in Create Host form fails: uninitialized constant Fog::Compute::Vsphere::Network

#4 - 05/25/2019 10:06 PM - Bernhard Suttner
Easiest steps to reproduce:
- open the create host tab about 10 times
- in each tab, select the host group in which a VMware compute resource is used

Pretty sure that it fails in one tab. If it fails, the above 500 server error in the log appears and the VMware data, like the VMware datastores etc are not shown.

#5 - 05/27/2019 07:24 AM - Bernhard Suttner
I'm not 100% sure yet as tests still pending however I think it has to do with the following change:

commit b4d7f9ce76d2887b3052c8c79976906023058758
fixes #23369 - load vmware datastores async

This commit changes the loading of the VMware datastores and uses the compute resource API. Unfortunately the API often returns 500 server errors. See https://community.theforeman.org/t/foreman-1-20-2-vsphere-sporadic-http-500-when-querying-api-compute-resources-api/13907/8 and https://community.theforeman.org/t/hammer-compute-resource-networks-id-with-vsphere-intermittent-rand/13849

#6 - 05/27/2019 01:35 PM - The Foreman Bot
- Assignee set to Bernhard Suttner
- Status changed from New to Ready For Testing
- Pull request https://github.com/theforeman/foreman/pull/6803 added
#7 - 05/28/2019 05:55 AM - Tomer Brisker
- Category set to Compute resources - VMware
- Fixed in Releases 1.22.0 added

#8 - 05/28/2019 06:01 AM - Anonymous
- Status changed from Ready For Testing to Closed

Applied in changeset 6d78db20f781a7c9a1c234c35e6c7ff4719e6be71.

#9 - 09/30/2019 07:17 AM - Marek Hulán
- Bugzilla link set to 1756439