

## Foreman - Bug #32332

### undefined method `resource\_pools' for nil:NilClass when reading compute-profile

04/15/2021 05:50 PM - Markus Bucher

<b>Status:</b>	Duplicate	
<b>Priority:</b>	Normal	
<b>Assignee:</b>		
<b>Category:</b>	Compute resources - VMware	
<b>Target version:</b>		
<b>Difficulty:</b>		<b>Fixed in Releases:</b>
<b>Triaged:</b>	No	<b>Found in Releases:</b> 2.3.3
<b>Bugzilla link:</b>		<b>Red Hat JIRA:</b>
<b>Pull request:</b>		

#### Description

We use foreman-ansible-modules to create VMWare and Proxmox Compute resources and add a Compute Profile.

We use a playbook that basically does the following (I removed some of the options):

```
- theforeman.foreman.compute_resource:
  name: VMware
  provider: vmware
  ...
- theforeman.foreman.compute_profile:
  name: Orchahosts-VM
  state: present
  ...
- theforeman.foreman.compute_attribute:
  compute_resource: VMware
  compute_profile: Orchahosts-VM
  ...
- theforeman.foreman.compute_resource:
  name: "Proxmox"
  provider: proxmox
  ...
- theforeman.foreman.compute_profile:
  name: "Orchahosts-VM"
  state: present
  ...
- theforeman.foreman.compute_attribute:
  compute_resource: Proxmox
  compute_profile: Orchahosts-VM
  ...
```

On the 2nd call to theforeman.foreman.compute\_profile we get a 500 from the Foreman. This does not happen always but very often. I added a shortened excerpt from the production.log. Please let me know if some intermediate information is necessary:

```
2021-04-15T12:04:26 [I|app|39cbe359] Started POST "/api/compute_resources" for 127.0.0.1 at 2021-04-15 12:04:26 +0200
..
2021-04-15T12:04:27 [I|app|39cbe359] Completed 201 Created in 1081ms (Views: 49.4ms | ActiveRecord: 36.5ms | Allocations: 69753)
2021-04-15T12:04:29 [I|app|e833334c] Started GET "/api/compute_profiles?per_page=4294967296&search=name%3D%22Orchahosts-VM%22" for 127.0.0.1 at 2021-04-15 12:04:29 +0200
..
2021-04-15T12:04:29 [I|app|e833334c] Completed 200 OK in 60ms (Views: 21.7ms | ActiveRecord: 12.0ms | Allocations: 10619)
2021-04-15T12:04:29 [I|app|fblfae70] Started POST "/api/compute_profiles" for 127.0.0.1 at 2021-04-15 12:04:29 +0200
```

```
..
2021-04-15T12:04:29 [I|app|fb1fae70] Completed 201 Created in 90ms (Views: 45.5ms | ActiveRecord:
12.1ms | Allocations: 9960)
2021-04-15T12:04:30 [I|app|cd9b1148] Started GET "/api/compute_resources?per_page=4294967296&search
h=name%3D%22VMware%22" for 127.0.0.1 at 2021-04-15 12:04:30 +0200
..
2021-04-15T12:04:30 [I|app|cd9b1148] Completed 200 OK in 36ms (Views: 22.2ms | ActiveRecord: 3.5ms
| Allocations: 17337)
2021-04-15T12:04:30 [I|app|f2becb49] Started GET "/api/compute_resources/1" for 127.0.0.1 at 2021-
04-15 12:04:30 +0200
..
2021-04-15T12:04:30 [I|app|f2becb49] Completed 200 OK in 42ms (Views: 23.6ms | ActiveRecord: 6.4ms
| Allocations: 6707)
2021-04-15T12:04:30 [I|app|8aa4119d] Started GET "/api/compute_profiles?per_page=4294967296&search
=name%3D%22Orchahosts-VM%22" for 127.0.0.1 at 2021-04-15 12:04:30 +0200
..
2021-04-15T12:04:30 [I|app|8aa4119d] Completed 200 OK in 34ms (Views: 21.5ms | ActiveRecord: 3.2ms
| Allocations: 16925)
2021-04-15T12:04:30 [I|app|d83d9bd7] Started POST "/api/compute_profiles/4/compute_resources/1/com
pute_attributes" for 127.0.0.1 at 2021-04-15 12:04:30 +0200
2021-04-15T12:04:30 [I|app|d83d9bd7] Processing by Api::V2::ComputeAttributesController#create as
JSON
2021-04-15T12:04:30 [I|app|d83d9bd7] Parameters: {"compute_attribute"=>{"vm_attrs"=>{"add_cdrom"
=>"0", "resource_pool"=>"Resources", "memory_mb"=>"2048", "cluster"=>"192.168.80.2", "scsi_control
ler_type"=>"VirtualLsiLogicController", "cpus"=>"1", "hardware_version"=>"Default", "guest_id"=>"o
therGuest64", "interfaces_attributes"=>{"0"=>{"type"=>"VirtualVmxnet3", "network"=>"network-16"}},
"memoryHotAddEnabled"=>"0", "path"=>"/Datacenters/DEV/vm/nightly", "cpuHotAddEnabled"=>"0", "core
spersocket"=>"1", "annotation"=>"", "volumes_attributes"=>{"0"=>{"size_gb"=>"10", "name"=>"Hard di
sk", "thin"=>true, "eager_zero"=>false, "datastore"=>"DAS", "mode"=>"persistent"}}}}, "apiv"=>"v2"
, "compute_profile_id"=>"4", "compute_resource_id"=>"1"}
2021-04-15T12:04:31 [I|aud|d83d9bd7] ComputeAttribute (1) create event on compute_profile_id 4
2021-04-15T12:04:31 [I|aud|d83d9bd7] ComputeAttribute (1) create event on compute_resource_id 1
2021-04-15T12:04:31 [I|aud|d83d9bd7] ComputeAttribute (1) create event on name 1 CPUs and 2048 MB
memory
2021-04-15T12:04:31 [I|aud|d83d9bd7] ComputeAttribute (1) create event on vm_attrs {"add_cdrom"=>"
0", "resource_pool"=>"Resources", "memory_mb"=>"2048", "cluster"=>"192.168.80.2", "scsi_controller
_type"=>"VirtualLsiLogicController", "cpus"=>"1", "hardware_version"=>"Default", "guest_id"=>"othe
rGuest64", "interfaces_attributes"=>{"0"=>{"type"=>"VirtualVmxnet3", "network"=>"network-16"}}, "m
emoryHotAddEnabled"=>"0", "path"=>"/Datacenters/DEV/vm/nightly", "cpuHotAddEnabled"=>"0", "corespe
rsocket"=>"1", "annotation"=>"", "volumes_attributes"=>{"0"=>{"size_gb"=>"10", "name"=>"Hard disk"
, "thin"=>true, "eager_zero"=>false, "datastore"=>"DAS", "mode"=>"persistent"}}}
2021-04-15T12:04:31 [I|app|d83d9bd7] Rendering api/v2/compute_attributes/create.json.rabl
2021-04-15T12:04:31 [I|app|d83d9bd7] Loaded compute resource data for folders in 0.140401222 secon
ds
2021-04-15T12:04:31 [I|app|d83d9bd7] Loaded compute resource data for clusters in 0.133485057 seco
nds
2021-04-15T12:04:31 [I|app|d83d9bd7] Loaded compute resource data for cluster-192.168.80.2 in 0.13
9161016 seconds
2021-04-15T12:04:31 [I|app|d83d9bd7] Loaded compute resource data for resource_pools-192.168.80.2
in 0.199619694 seconds
2021-04-15T12:04:31 [I|app|d83d9bd7] Loaded compute resource data for datastores in 0.09663945 sec
onds
2021-04-15T12:04:31 [I|app|d83d9bd7] Loaded compute resource data for networks in 0.093270983 seco
nds
2021-04-15T12:04:31 [I|app|d83d9bd7] Rendered api/v2/compute_attributes/create.json.rabl (Durati
on: 745.4ms | Allocations: 188889)
2021-04-15T12:04:31 [I|app|d83d9bd7] Completed 201 Created in 1017ms (Views: 765.8ms | ActiveRecor
d: 11.9ms | Allocations: 220676)
2021-04-15T12:04:33 [I|app|94eafdde] Started GET "/api/compute_resources?per_page=4294967296&search
h=name%3D%22Proxmox%22" for 127.0.0.1 at 2021-04-15 12:04:33 +0200
..
2021-04-15T12:04:33 [I|app|94eafdde] Completed 200 OK in 32ms (Views: 19.9ms | ActiveRecord: 3.1ms
| Allocations: 16564)
2021-04-15T12:04:33 [I|app|45f68949] Started GET "/api/locations?per_page=4294967296&search=title%
3D%22C3%84ngineering%22" for 127.0.0.1 at 2021-04-15 12:04:33 +0200
..
2021-04-15T12:04:33 [I|app|45f68949] Completed 200 OK in 35ms (Views: 21.5ms | ActiveRecord: 3.3ms
```

```

| Allocations: 17072)
2021-04-15T12:04:33 [I|app|4ad6a6a7] Started GET "/katello/api/organizations?per_page=4294967296&search=name%3D%22%C3%84TIX%22" for 127.0.0.1 at 2021-04-15 12:04:33 +0200
..
2021-04-15T12:04:33 [I|app|4ad6a6a7] Completed 200 OK in 23ms (Views: 10.5ms | ActiveRecord: 2.9ms | Allocations: 8403)
2021-04-15T12:04:33 [I|app|d76d6ecd] Started POST "/api/compute_resources" for 127.0.0.1 at 2021-04-15 12:04:33 +0200
..
2021-04-15T12:04:33 [I|app|d76d6ecd] Completed 201 Created in 628ms (Views: 25.5ms | ActiveRecord: 16.1ms | Allocations: 57714)
2021-04-15T12:04:34 [I|app|e4b9804c] Started GET "/api/compute_profiles?per_page=4294967296&search=name%3D%22Orchahosts-VM%22" for 127.0.0.1 at 2021-04-15 12:04:34 +0200
2021-04-15T12:04:34 [I|app|e4b9804c] Processing by Api::V2::ComputeProfilesController#index as JSON
2021-04-15T12:04:34 [I|app|e4b9804c] Parameters: {"per_page"=>"4294967296", "search"=>"name=\\"Orchahosts-VM\\""}
2021-04-15T12:04:34 [I|app|e4b9804c] Rendering api/v2/compute_profiles/index.json.rabl within api/v2/layouts/index_layout
2021-04-15T12:04:34 [I|app|e4b9804c] Rendered api/v2/compute_profiles/index.json.rabl within api/v2/layouts/index_layout (Duration: 7.1ms | Allocations: 1343)
2021-04-15T12:04:34 [I|app|e4b9804c] Completed 200 OK in 30ms (Views: 17.4ms | ActiveRecord: 2.6ms | Allocations: 11413)
2021-04-15T12:04:34 [I|app|3e539002] Started GET "/api/compute_profiles/4" for 127.0.0.1 at 2021-04-15 12:04:34 +0200
2021-04-15T12:04:34 [I|app|3e539002] Processing by Api::V2::ComputeProfilesController#show as JSON
2021-04-15T12:04:34 [I|app|3e539002] Parameters: {"apiv"=>"v2", "id"=>"4"}
2021-04-15T12:04:34 [I|app|3e539002] Rendering api/v2/compute_profiles/show.json.rabl
2021-04-15T12:04:34 [I|app|3e539002] Rendered api/v2/compute_profiles/show.json.rabl (Duration: 23.5ms | Allocations: 4231)
2021-04-15T12:04:34 [W|app|3e539002] Action failed
2021-04-15T12:04:34 [I|app|3e539002] Backtrace for 'Action failed' error (ActionView::Template::Error): undefined method `resource_pools' for nil:NilClass
3e539002 | /opt/theforeman/tfm/root/usr/share/gems/gems/fog-vsphere-3.4.0/lib/fog/vsphere/models/compute/cluster.rb:15:in `resource_pools'
3e539002 | /usr/share/foreman/app/models/compute_resources/foreman/model/vmware.rb:158:in `block in resource_pools'
3e539002 | /usr/share/foreman/app/services/compute_resource_cache.rb:68:in `instance_eval'
3e539002 | /usr/share/foreman/app/services/compute_resource_cache.rb:68:in `get_uncached_value'
3e539002 | /usr/share/foreman/app/services/compute_resource_cache.rb:22:in `cache'
3e539002 | /usr/share/foreman/app/models/compute_resources/foreman/model/vmware.rb:157:in `resource_pools'
3e539002 | /usr/share/foreman/app/models/compute_resources/foreman/model/vmware.rb:674:in `normalize_vm_attrs'
3e539002 | /usr/share/foreman/app/models/compute_attribute.rb:36:in `normalized_vm_attrs'
3e539002 | /opt/theforeman/tfm/root/usr/share/gems/gems/rabl-0.14.3/lib/rabl/helpers.rb:16:in `data_object_attribute'

```

Could this have something to do with caching in the VMWare compute-resource?

#### Related issues:

Is duplicate of Foreman - Bug #30548: VMWare compute profile is providing wro...

**New**

#### History

##### #1 - 07/14/2021 10:34 AM - Tomer Brisker

- Is duplicate of Bug #30548: VMWare compute profile is providing wrong information when using hammer and api. added

##### #2 - 07/14/2021 10:36 AM - Tomer Brisker

- Status changed from New to Duplicate