

## Foreman - Bug #9430

### Provisioning host in VMWare compute resource fails with invalid MAC address

02/18/2015 10:45 AM - Alexandre Barth

<b>Status:</b>	Closed	
<b>Priority:</b>	Normal	
<b>Assignee:</b>	Tomáš Strachota	
<b>Category:</b>	Compute resources - VMware	
<b>Target version:</b>	1.8.0	
<b>Difficulty:</b>		<b>Fixed in Releases:</b>
<b>Triaged:</b>		<b>Found in Releases:</b> Nightly
<b>Bugzilla link:</b>		<b>Red Hat JIRA:</b>
<b>Pull request:</b>	<a href="https://github.com/foreman/foreman/pull/2194">https://github.com/foreman/foreman/pull/2194</a>	
<b>Description</b>		
I want to provision a host in VMWare compute resource. When i submit, host creation fails with this following error :		
Create DHCP Settings for test.foo.com task failed with the following error: Invalid MAC /usr/share/foreman/lib/net/validations.rb:41:in 'validate_mac'.		
There is no mac address to provide as this is a vm.		

#### Associated revisions

##### Revision 2ed715f5 - 03/04/2015 03:45 AM - Tomáš Strachota

Fixes #9430 - provisioning on VMWare fails with invalid MAC address

##### Revision d7d4a085 - 03/06/2015 08:36 AM - Tomáš Strachota

Fixes #9430 - provisioning on VMWare fails with invalid MAC address

(cherry picked from commit 2ed715f58063d5871e046677c732a66d983de7d1)

#### History

##### #1 - 02/18/2015 11:05 AM - Dominic Cleal

- translation missing: en.field\_release deleted (28)

What type of VMware compute resource are you using? Some vSphere instance - which version? Standalone ESX?

##### #2 - 02/18/2015 01:01 PM - Alexandre Barth

vSphere vCenter Server 5.5 Update 2

##### #3 - 02/19/2015 08:42 AM - Dominic Cleal

Ok, could you try enabling debug mode and then provide production.log from the time you submit the host? We probably need to determine where exactly the invalid MAC is being flagged up.

<http://projects.theforeman.org/projects/foreman/wiki/Troubleshooting#How-do-I-enable-debugging>

##### #4 - 02/20/2015 07:57 AM - Alexandre Barth

Here it is : <https://drive.google.com/file/d/0B-5a6W4bJO5PcXdobW9uTEZTQ1E/view?usp=sharing>

##### #5 - 02/20/2015 08:22 AM - Dominic Cleal

- Category set to Compute resources

- translation missing: en.field\_release set to 28

##### #6 - 02/20/2015 09:43 AM - Dominic Cleal

Alexandre Barth wrote:

Here it is : <https://drive.google.com/file/d/0B-5a6W4bJO5PcXdobW9uTEZTQ1E/view?usp=sharing>

Thanks, that's very helpful, it does seem to be failing to fetch the MAC back from the newly created VM. Tomas and Greg are looking into it.

#### #7 - 02/20/2015 12:44 PM - Greg Sutcliffe

- Status changed from New to Need more information
- Assignee set to Tomáš Strachota

Ok, I don't have a great VSphere instance to deploy on, but I do have access to one to play with, and it looks like a simple data mismatch:

At `app/models/concerns/fog_extensions/vsphere/server.rb:38` we match `compute_attributes['network']` (which comes from the Foreman UI) with a similar field in the data that Fog returns.

However, The UI and the logs don't match - in the UI I selected "VM Network" as the Network field in the NIC modal. In the logs I see:

```
"interfaces_attributes"=>{"0"=>{"_destroy"=>"0", "type"=>"Nic::Managed", "mac"=>"", "identifier"=>"", "name"=>"gsutclif", "domain_id"=>"1", "subnet_id"=>"1", "ip"=>"", "managed"=>"0", "primary"=>"1", "provision"=>"1", "virtual"=>"0", "tag"=>"", "attached_to"=>"", "compute_attributes"=>{"type"=>"VirtualE1000", "network"=>"network-50"}}, "new_interfaces"=> ...
```

Note "network"=>"network-50". I don't know where that has come from. If I use Pry (at `app/models/concerns/orchestration/compute.rb:285`) to take a look at the Fog objects returned:

```
[3] pry(#<Host::Managed>)> fog_nics
=> [ <Fog::Compute::Vsphere::Interface
  mac="00:50:56:b3:30:03",
  network="VM Network",
  name="Network adapter 1",
  status="untried",
  summary="VM Network",
  type=VirtualE1000,
  key=4000,
  virtualswitch=nil,
  server_id="50333156-c645-bd5e-fe3d-f42cddb5f02b"
>]
```

Here the network name is correct. So, somehow, we've mangled the network name on submit, so the matching will never work. Tomas, how does the JS get the string to put in the form submit?

#### #8 - 02/23/2015 11:01 AM - The Foreman Bot

- Status changed from Need more information to Ready For Testing
- Pull request <https://github.com/foreman/foreman/pull/2194> added
- Pull request deleted ()

#### #9 - 02/23/2015 11:13 AM - Tomáš Strachota

The problem is we use network ids (from `Fog::Compute::Vsphere::Network`) as values for options in the Network select box but match against network names (from `Fog::Compute::Vsphere::Interface`) later. It seems that `Fog::Compute::Vsphere::Interface` does not provide the id so we cannot match against it. I used network name for matching but I need somebody acquainted to check if it's sane at all.

#### #10 - 02/26/2015 07:55 AM - Shlomi Zadok

Not sure the suggested fix fixes the problem, which could be related to <http://projects.theforeman.org/issues/8528>

#### #11 - 03/02/2015 04:03 AM - Dominic Cleal

Shlomi Zadok wrote:

Not sure the suggested fix fixes the problem, which could be related to <http://projects.theforeman.org/issues/8528>

That's what I was checking in comment [#1](#) and [#2](#), but I'm sure Alexandre can also confirm whether it worked on 1.7/earlier 1.8s or not.

#### #12 - 03/02/2015 10:48 AM - Alexandre Barth

Yes, everything is working like a charm in 1.7 releases.

#### #13 - 03/02/2015 10:53 AM - Dominic Cleal

Thanks Alexandre. Shlomi has since confirmed on the PR that it does now work, maybe you'd like to try it too? You should be able to apply the

patch to /usr/share/foreman and restart Apache.

**#14 - 03/02/2015 10:54 AM - Dominic Cleal**

- *Category changed from Compute resources to Compute resources - VMware*

**#15 - 03/03/2015 09:53 AM - Alexandre Barth**

I've just finished testing this, and i can say everything is working as expected when applying 2194 and 2150 patches.

**#16 - 03/03/2015 11:19 AM - Alexandre Barth**

But i'm facing a new issue during provisioning :) @host.interfaces and @host.interfaces.managed parameters now contain the primary interface, and @host.interfaces.empty is always false even if i try to provision a host with only one interface.

**#17 - 03/03/2015 11:24 AM - Dominic Cleal**

Alexandre Barth wrote:

But i'm facing a new issue during provisioning :) @host.interfaces and @host.interfaces.managed parameters now contain the primary interface, and @host.interfaces.empty is always false even if i try to provision a host with only one interface.

You could try @host.interfaces.where(:primary => false) to exclude the primary interface perhaps, if you want to configure it separately.

**#18 - 03/03/2015 11:31 AM - Alexandre Barth**

Thank you Dominic, that did the trick, but according to the TemplateWriting Wiki primary interface should not be included in these variables (and it is not included in Foreman 1.7 releases)

**#19 - 03/03/2015 11:37 AM - Dominic Cleal**

Yeah, that needs updating to cover Foreman 1.8. As part of improved multi-NIC support in 1.8, it's been changed so there's now just a list of interfaces with "primary" and "provisioning" booleans which can be set on one interface each and we no longer have the primary interface details stored on the host itself.

You can access the primary specifically with @host.primary\_interface (provision\_interface too) and there's an example of how it's used in the latest templates here: [https://github.com/theforeman/community-templates/blob/master/snippets/kickstart\\_networking\\_setup.erb](https://github.com/theforeman/community-templates/blob/master/snippets/kickstart_networking_setup.erb)

**#20 - 03/04/2015 04:01 AM - Anonymous**

- *Status changed from Ready For Testing to Closed*

- *% Done changed from 0 to 100*

Applied in changeset [2ed715f58063d5871e046677c732a66d983de7d1](#).

**#21 - 09/14/2015 10:33 AM - Ivan Necas**

As part of dealing with <http://projects.theforeman.org/issues/5483>, I'm getting back to the need for using the id for selecting the network, as the name itself is not unique enough, when it comes to using distributed switches, and I'm not sure this fix was correct, especially since it was confirmed that it worked with foreman 1.7, where the id was used for identification

**#22 - 09/14/2015 10:38 AM - Ivan Necas**

Any chance this issue appeared, when using DistributedPortGroup network?