

Foreman - Bug #9970

Creating hosts with NICs on vmWare fails with "Unknown Network ID:"

03/31/2015 08:18 AM - Tomáš Strachota

Status: Resolved	
Priority: Normal	
Assignee:	
Category: Compute resources - VMware	
Target version:	
Difficulty:	Fixed in Releases:
Triaged:	Found in Releases:
Bugzilla link:	Red Hat JIRA:
Pull request:	
Description	
<pre>hammer -d host create --name dn101 --hostgroup-id 7 --compute-resource-id 2 --provision-method image --image-id 5 --enabled true --managed true --environment-id 1 --domain-id 2 --interface "compute_network=SDC1_111" --subnet-id 2 --compute-attributes "cluster=BD_LAB,memory_mb=16384,cpus=4,start=1" --volume "datastore=BDH04_DISK3,name=HDD,size_gb=100"</pre>	
Fails with:	
Could not create the host: Failed to create a compute VC02_BIGD (VMware) instance dn101.pldc1.example.com: Unknown Network ID:	
It seems that parameters being sent in the log are correct.	
There is suspicious part of the code that raises the exception. The data structures changed a bit since the primary NIC extraction has been merged and it tries to compare missing data. Compute related data has been moved under a key "compute_attributes" in the interface structure. The fix is most likely just adding the "compute_attributes" key. https://github.com/theforeman/foreman/blob/develop/app/models/compute_resources/foreman/model/vmware.rb#L305	
Related issues:	
Related to Foreman - Bug #9871: Provisioning a new vmware hosts fails with 'l...	Resolved 03/23/2015
Related to Hammer CLI - Feature #3849: Add commands for managing interfaces	Closed 12/11/2013

History

#1 - 03/31/2015 08:19 AM - Tomáš Strachota

- Related to Bug #9871: Provisioning a new vmware hosts fails with 'Invalid MAC ' added

#2 - 03/31/2015 08:38 AM - Dominic Cleal

- translation missing: en.field_release set to 28

#3 - 04/02/2015 03:39 AM - Dominic Cleal

I think this is slightly different. The code for searching for networks is OK because the add_interfaces_to_compute_attrs method in orchestration/compute.rb copies the interfaces_attributes into the compute_attributes into the right place, this all seems to be working correctly.

It appears that if you just pass:

```
"interfaces_attributes": {
  "0": {
    "compute_attributes": {
      "network": "SDC1_111"
    }
  }
}
```

into a host creation, then Host::Base creates a second, primary interface as it doesn't think there is a primary supplied. This second interface doesn't have any compute_attributes and so you get the blank network ID error.

In my test it was generating these **two** NICs when I passed the interfaces_attributes above:

```
=> [#<Nic::Managed id: nil, mac: nil, ip: nil, type: "Nic::Managed", name: nil, host_id: nil, subnet_id: nil, domain_id: nil, attrs: {}, created_at: nil, updated_at: nil, provider: nil, username: nil, password: nil, virtual: false, link: true, identifier: nil, tag: "", attached_to: "", managed: true, mode: "balance-rr", attached_devices: "", bond_options: "", primary: false, provision: false, compute_attributes: {"network"=>"SDC1_111"}>,
  #<Nic::Managed id: nil, mac: nil, ip: "192.168.122.118", type: "Nic::Managed", name: "dcleal-test2.example.com", host_id: nil, subnet_id: 4, domain_id: 6, attrs: {}, created_at: nil, updated_at: nil, provider: nil, username: nil, password: nil, virtual: false, link: true, identifier: nil, tag: "", attached_to: "", managed: true, mode: "balance-rr", attached_devices: "", bond_options: "", primary: true, provision: true, compute_attributes: {}>]
```

When I send this, it generates only one NIC and works better:

```
{
  "interfaces_attributes": {
    "0": {
      "primary": 1,
      "compute_attributes": {
        "network": "SDC1_111"
      }
    }
  }
}
```

Can we specify primary with Hammer, or should we improve the logic for primary NIC creation in Host::Base to merge interface_attributes into the new primary NIC if there's only one supplied?

#4 - 04/02/2015 05:43 AM - Dominic Cleal

- Related to Feature #3849: Add commands for managing interfaces added

#5 - 04/02/2015 05:44 AM - Dominic Cleal

- Status changed from New to Resolved

Tomas confirmed on IRC that setting the primary interface details should be something that Hammer, via [#3849](#) should be handling.

#6 - 04/02/2015 05:45 AM - Dominic Cleal

- translation missing: en.field_release deleted (28)

Files

hammer.log	4.42 KB	03/31/2015	Tomáš Strachota
production.log	16.7 KB	03/31/2015	Tomáš Strachota