

Foreman - Bug #13898

Hammer : issue with provisioning openstack virtual machine with 2 interfaces

02/25/2016 07:51 AM - Olivier Lebard

Status: New	
Priority: Normal	
Assignee:	
Category: Compute resources - OpenStack	
Target version:	
Difficulty:	Fixed in Releases:
Triaged:	Found in Releases:
Bugzilla link:	Red Hat JIRA:
Pull request:	
Description	

History

#1 - 02/25/2016 08:01 AM - Dominic Cleal

- Status changed from New to Need more information

There's no information in this ticket, please can you explain the issue?

#2 - 02/25/2016 08:36 AM - Olivier Lebard

- File foreman - wrong nic.png added

Hello,

I have an issue with provisioning openstack virtual machine with 2 network interfaces.

1 - eth1 is main interface administration interface (name : adm)

2 - eth0 is another interface (name : usr)

```
hammer -c ~/.hammer/int00.yml host create
```

```
--name='server_name'
```

```
--hostgroup='hostgroup'
```

```
--environment='environment'
```

```
--compute-resource='compute_resource'
```

```
--compute-attributes='flavor_ref=53,security_groups=default,image_ref=41362541-79b8-4dd9-9c1f-670546e84fa6,nics=["ba535079-ed45-4e19-a988-74ce08ecf2ce", "f5025778-cd74-45dc-a79d-17a066c6ab1d"]'
```

```
--volume='capacity=32'
```

```
--volume='capacity=26'
```

```
--volume='capacity=11'
```

```
--interface='type=interface,identifier=eth0,managed=true,domain_id=8,subnet_id=103'
```

```
--interface='type=interface,identifier=eth1,managed=true,primary=true,provision=true,domain_id=1,subnet_id=104'
```

Notes :

Here the result of "neutron network-list" for the compute attributes

```
ba535079-ed45-4e19-a988-74ce08ecf2ce | int00-all-all_usr | 54152b5f-f5c5-4333-bc64-751c5666aa5b 10.9.0.0/23 | |  
f5025778-cd74-45dc-a79d-17a066c6ab1d | int00-all-all_adm | 3ad34b37-4040-4684-91e1-897e037bf79d 10.245.0.0/23
```

Here the result of hammer subnet list for the interfaces attributes (subnet_id)

```
103 | int00-all-all_usr | 10.9.0.0 | 255.255.254.0
```

```
104 | int00-all-all_adm | 10.245.0.0 | 255.255.254.0
```

Here the result of hammer domain list for the interfaces attributes (domain_id)

```
1 | adm
```

```
8 | usr
```

I can see my virtual machine in openstack , the following networks :

- network_usr=10.9.0.190

- network_adm=10.245.0.198

The problem, when i go to foreman host page, on nics tab i see
eth1 = 10.9.0.190 or it should be 10.245.0.198
eth0 with none or it should get the ip address
(i've attached a screenshot)

thanks and let me know if it's not clear

#3 - 02/25/2016 08:44 AM - Dominic Cleal

- Project changed from Foreman to Hammer CLI

Can you attach debug from your Hammer command? run "hammer -d ..." to enable it, it'll print out the parameters being sent to Foreman.

I'm unsure that the "nics" list is in a correct format.

#4 - 02/25/2016 09:21 AM - Olivier Lebard

Here, i put only the host part

```
DEBUG 2016-02-25T14:54:00 API] Params: {
  "host" => {
    "name" => "name",
    "environment_id" => 1,
    "compute_resource_id" => 1,
    "hostgroup_id" => 32,
    "build" => true,
    "enabled" => true,
    "managed" => true,
    "compute_attributes" => {
      "flavor_ref" => "53",
    },
    "security_groups" => "default",
    "image_ref" => "41362541-79b8-4cc9-9c1f-670546e84fa6",
    "nics" => [
      [0] "ba535079-ed45-4e19-a988-74ce08ecf2ce",
      [1] "f5025778-cd74-45dc-a79d-17a066c6ab1d"
    ],
    "volumes_attributes" => {
      "0" => {
        "capacity" => "32"
      }
    }
  },
  "host_parameters_attributes" => {},
  "interfaces_attributes" => {
    "0" => {
      "type" => "interface",
      "identifier" => "eth0",
      "managed" => "true",
      "domain_id" => "8",
      "subnet_id" => "103"
    },
    "1" => {
      "type" => "interface",
      "identifier" => "eth1",
      "managed" => "true",
      "primary" => "true",
      "provision" => "true",
      "domain_id" => "1",
      "subnet_id" => "104"
    }
  }
}
```

Let me know if you need more

thanks

#5 - 02/25/2016 09:23 AM - Dominic Cleal

- Project changed from Hammer CLI to Foreman

- Category set to Compute resources - OpenStack

- Status changed from Need more information to New

#6 - 03/08/2016 04:58 AM - Olivier Lebard

Hello Dominic, do you know if someone is working on this issue ?

It might come from the following code (There is a TODO list) but do not know how to fix it.

#app/models/concerns/orchestration/compute.rb

```
def queue_compute_create
  queue.create(:name => _("Render user data template for %s") % self, :priority => 1,
    :action => [self, :setUserData]) if find_image.try(:user_data)
  queue.create(:name => _("Set up compute instance %s") % self, :priority => 2,
    :action => [self, :setCompute])
  queue.create(:name => _("Acquire IP address for %s") % self, :priority => 3,
    :action => [self, :setComputeIP]) if compute_provides?(:ip)
  queue.create(:name => _("Query instance details for %s") % self, :priority => 4,
    :action => [self, :setComputeDetails])
  queue.create(:name => _("Power up compute instance %s") % self, :priority => 1000,
    :action => [self, :setComputePowerUp]) if compute_attributes[:start] == '1'
end

def setComputeDetails
  Rails.logger.debug "method setComputeDetails"

  if vm
    attrs = compute_resource.provided_attributes
    Rails.logger.debug "inside method setComputeDetails, attrs : #{attrs}"

    attrs.each do |foreman_attr, fog_attr |
      Rails.logger.debug "foreman_attr : #{foreman_attr}"
      Rails.logger.debug "fog_attr : #{fog_attr}"

      if foreman_attr == :mac
        #TODO, do we need handle :ip as well? for openstack / ec2 we only set a single
        # interface (so host.ip will be fine), and we'd need to rethink #find_address

        return false unless match_macs_to_nics(fog_attr)
      else
        value = vm.send(fog_attr)
        Rails.logger.debug "Value is : #{value}"
        value ||= find_address if foreman_attr == :ip
        Rails.logger.debug "Value after is : #{value}"
        self.send("#{foreman_attr}=", value)

        # validate_foreman_attr handles the failure msg, so we just bubble
        # the false state up the stack
        return false unless validate_foreman_attr(value, Host, foreman_attr)
      end
    end
    true
  else
    failure _("failed to save %s") % name
  end
end
```

Thanks

-Olivier

#7 - 03/08/2016 07:11 AM - Dominic Cleal

There's no assignee, so nobody is working on it. I don't think the code you pasted is related to the assignment of OpenStack networks, that probably happens in the model at app/models/compute_resources/foreman/model/openstack.rb or in Fog.

#8 - 03/08/2016 09:36 AM - Olivier Lebard

In the code i've pasted, you can see a comment :

#TODO, do we need handle :ip as well? for openstack / ec2 we only set a single

1. interface (so host.ip will be fine), and we'd need to rethink #find_address

Saying if we are in the openstack mode, we set only 1 interface but i can be wrong.

#9 - 07/08/2016 04:42 AM - Olivier Lebard

Hello,

Do you have any updates on this ticket ?

Thanks

-Olivier L

Files

foreman - wrong nic.png	35.5 KB	02/25/2016	Olivier Lebard
-------------------------	---------	------------	----------------