

Foreman - Bug #23909

VMware "Could not match network interface" on VM creation

06/12/2018 03:44 PM - Zachary Bedell

Status:	Closed	
Priority:	Normal	
Assignee:		
Category:	Compute resources - VMware	
Target version:	1.19.0	
Difficulty:		Fixed in Releases: 1.17.2, 1.18.1, 1.19.0
Triaged:	No	Found in Releases: 1.17.1
Bugzilla link:		Red Hat JIRA:
Pull request:	https://github.com/theforeman/foreman/pull/5685	
Description		
<p>I've found an edge case where the fix for bug #19623 isn't working. This may also relate to bug #11106. The error message is a closer fit to #11106, but the root cause looks like a variation on #19623.</p> <p>As far as I can tell, the issue is caused by collisions between the id/key and ref attributes of two vCenter network objects. Our environment matches the conditions in the original bug where we're post-vCenter migration with legacy id ref's on the distributed virtual switches. It looks like we have an object where the ref matches the id of another object's key.</p> <p>The <code>select_nic</code> function in <code>FogExtensions::Vsphere::Server</code> (<code>app/models/concerns/fog_extensions/vsphere/server.rb</code>) calls <code>all_networks.detect</code> first with the <code>nic_attrs</code> structure which looks like it matches against <code>network._ref</code>. IE:</p> <pre>vm_network = all_networks.detect { network network._ref == nic_attrs['network'] }</pre> <p>Only if that doesn't match anything would the check below it which checks for <code>network.key</code> execute:</p> <pre>vm_network = all_networks.detect { network nic_attrs['network'] && [network.name, network.try(:key)].include?(nic_attrs['network']) }</pre> <p>In our environment, this makes a false positive match due to one object having a ref attribute that matches the desired object's key. I'm pretty sure the check a few lines later that compares the <code>vm_network.name</code> and <code>vm_network.key</code> nil's out <code>selected_nic</code>, ultimately returning nil to <code>match_macs_to_nics</code> in <code>Orchestration::Compute</code> which then fails with "Orchestration::Compute: Could not match network interface."</p> <p>In my environment, I was able to fix the issue by reversing the search by name & key and the search for <code>nic_attrs</code> as in the attached patch.</p> <p>I think this should be a safe change in the other cases where #19623 applies, but I'm nowhere near familiar enough with the Foreman codebase to be certain of that.</p>		

Associated revisions

Revision f5ea70ad - 06/13/2018 10:26 AM - Zachary Bedell

fixes #23909 - vsphere: prefer network search by key

Creating a new VMware image fails during provisioning with "Could not match network interface". Searching for distributed virtual switch via key BEFORE searching with the `nic_attrs` structure resolves a false positive match when vCenter contains VDS migrated from prior install with ref attribute that matches a different object's key.

History

#1 - 06/12/2018 04:09 PM - The Foreman Bot

- Status changed from New to Ready For Testing

- Pull request <https://github.com/theforeman/foreman/pull/5685> added

#2 - 06/13/2018 10:27 AM - Timo Goebel

- translation missing: en.field_release set to 353

#3 - 06/13/2018 11:01 AM - Zachary Bedell

- Status changed from Ready For Testing to Closed

- % Done changed from 0 to 100

Applied in changeset [f5ea70ad06d64c7fc15ef486062c90ab19b0ccbc](#).

#4 - 08/08/2018 01:40 PM - Tomer Brisker

- Triaged set to No

- Fixed in Releases 1.17.2, 1.18.1 added

Files

foreman-vcenter67-network.patch	959 Bytes	06/12/2018	Zachary Bedell
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