

## Arvados - Bug #9120

### [Node Manager] AttributeError: 'ComputeNodeDriver' object has no attribute 'ex\_list\_networks'

04/29/2016 09:06 PM - Nico César

<b>Status:</b>	Resolved	<b>Start date:</b>	05/02/2016
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assigned To:</b>	Brett Smith	<b>% Done:</b>	100%
<b>Category:</b>		<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>	2016-05-11 sprint		
<b>Description</b>			
this happened in qr2hi (GPC) with version 0.1.20160421180254-1			
<pre>2016-04-29_21:05:08.35533 2016-04-29 21:05:08 root[2764] ERROR: Uncaught exception during setup 2016-04-29_21:05:08.35536 Traceback (most recent call last): 2016-04-29_21:05:08.35536   File "/usr/local/lib/python2.7/dist-packages/arvnodeman/launcher.py", line 110, in main 2016-04-29_21:05:08.35537       server_calculator = build_server_calculator(config) 2016-04-29_21:05:08.35537   File "/usr/local/lib/python2.7/dist-packages/arvnodeman/launcher.py", line 61, in build_server_calculator 2016-04-29_21:05:08.35537       cloud_size_list = config.node_sizes(config.new_cloud_client().list_s izes()) 2016-04-29_21:05:08.35538   File "/usr/local/lib/python2.7/dist-packages/arvnodeman/config.py", li ne 107, in new_cloud_client 2016-04-29_21:05:08.35538       self.get_section('Cloud Create')) 2016-04-29_21:05:08.35538   File "/usr/local/lib/python2.7/dist-packages/arvnodeman/computenode/dr iver/gce.py", line 36, in __init__ 2016-04-29_21:05:08.35539       driver_class) 2016-04-29_21:05:08.35539   File "/usr/local/lib/python2.7/dist-packages/arvnodeman/computenode/dr iver/__init__.py", line 68, in __init__ 2016-04-29_21:05:08.35539       new_pair = init_method(self.create_kwargs.pop(key)) 2016-04-29_21:05:08.35539   File "/usr/local/lib/python2.7/dist-packages/arvnodeman/computenode/dr iver/gce.py", line 51, in _init_network 2016-04-29_21:05:08.35540       network_name, 'ex_list_networks', self._name_key) 2016-04-29_21:05:08.35540   File "/usr/local/lib/python2.7/dist-packages/arvnodeman/computenode/dr iver/__init__.py", line 113, in search_for 2016-04-29_21:05:08.35541       term, list_method, key, **kwargs) 2016-04-29_21:05:08.35541   File "/usr/local/lib/python2.7/dist-packages/arvnodeman/computenode/dr iver/__init__.py", line 95, in search_for_now 2016-04-29_21:05:08.35541       items = getattr(self, list_method)(**kwargs) 2016-04-29_21:05:08.35542 AttributeError: 'ComputeNodeDriver' object has no attribute 'ex_list_net works' 2016-04-29_21:05:08.36902 Stopping arvados-node-manager</pre>			
<b>Subtasks:</b>			
Task # 9124: Review 9120-node-manager-search-ex-methods-wip			<b>Resolved</b>

#### Associated revisions

##### Revision 497fdb25 - 05/03/2016 07:22 PM - Brett Smith

Merge branch '9120-node-manager-search-ex-methods-wip'

Closes #9120, #9124.

#### History

##### #1 - 04/29/2016 09:09 PM - Nico César

- Project changed from OPS to Arvados

##### #2 - 04/30/2016 01:56 PM - Nico César

see <https://dev.arvados.org/issues/8945#note-5>

##### #3 - 05/02/2016 08:37 PM - Brett Smith

- Subject changed from *AttributeError: 'ComputeNodeDriver' object has no attribute 'ex\_list\_networks' to [Node Manager] AttributeError: 'ComputeNodeDriver' object has no attribute 'ex\_list\_networks'*

- Status changed from *New to In Progress*

- Assigned To set to *Brett Smith*

- Target version set to *2016-05-11 sprint*

**#4 - 05/03/2016 05:33 PM - Peter Amstutz**

LGTM

**#5 - 05/03/2016 07:25 PM - Brett Smith**

- Status changed from *In Progress to Resolved*

Applied in changeset *arvados|commit:497fdb2505efa9a3231c39ec696da6b749d30af2*.

**#6 - 05/10/2016 03:34 PM - Nico César**

deployed in *qr2hi*. Works as expected: doesn't blow up-

but it brought 2 nodes when needed only 1: [https://workbench.qr2hi.arvadosapi.com/pipeline\\_instances/qr2hi-d1hrv-78qs9xv7ycr2j6s](https://workbench.qr2hi.arvadosapi.com/pipeline_instances/qr2hi-d1hrv-78qs9xv7ycr2j6s)

new bug?

**#7 - 05/10/2016 03:43 PM - Brett Smith**

Nico Cesar wrote:

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new bug?

Node Manager can be in a state where it gets an updated job queue before it gets an updated node list. If the timing is just right, it can see that there's a new job in the queue, but sees the node as still busy with the previous job in the pipeline (that just finished). In that case, it will boot a new node, even though a complete snapshot of the all the system states would show it's not necessary.

This has been true forever, so it's not a "new" bug, no.

**#8 - 05/10/2016 04:53 PM - Nico César**

Brett Smith wrote:

Node Manager can be in a state where it gets an updated job queue before it gets an updated node list. If the timing is just right, it can see that there's a new job in the queue, but sees the node as still busy with the previous job in the pipeline (that just finished). In that case, it will boot a new node, even though a complete snapshot of the all the system states would show it's not necessary.

This has been true forever, so it's not a "new" bug, no.

Mhh... it happened 2 out of 2 times with the new version. will tests a couple more and reopen #9161 if this is the case