

## Arvados - Bug #4891

### [Node Manager] Should not associate node with incorrect arvados node object

12/31/2014 02:36 PM - Ward Vandewege

<b>Status:</b> Closed	<b>Start date:</b>
<b>Priority:</b> Normal	<b>Due date:</b>
<b>Assigned To:</b>	<b>% Done:</b> 0%
<b>Category:</b>	<b>Estimated time:</b> 0.00 hour
<b>Target version:</b>	
<b>Description</b>	
<p>When a stale node record exists that happens to match the ip address of a newly spun up node, node manager immediately associates that stale record with the newly spun up node. This is because it only tests for a matching ip_address field on line 327 in services/arvnodeman/computenode/dispatch/__init__.py</p> <p>Here's a log example of the incorrect behavior:</p> <pre>2014-12-30_17:56:50.46464 2014-12-30 17:56:50 arvnodeman.nodeup[15616] INFO: Cloud node i-bf491f53 created. 2014-12-30_17:56:50.53332 2014-12-30 17:56:50 arvnodeman.nodeup[15616] WARNING: Client error: InvalidInstanceID.NotFound: The instance ID 'i-bf491f53' does not exist - waiting 1 seconds 2014-12-30_17:56:55.35531 2014-12-30 17:56:55 arvnodeman.nodeup[15616] INFO: i-bf491f53 post-create work done. 2014-12-30_17:56:55.35761 2014-12-30 17:56:55 arvnodeman.computenode[15616] DEBUG: Node i-bf491f53 shutdown window closed. Next at Tue Dec 30 18:50:50 2014. 2014-12-30_17:56:55.35878 2014-12-30 17:56:55 arvnodeman.cloud_nodes[15616] DEBUG: &lt;pykka.proxy._CallableProxy object at 0x3a7b0a10&gt; subscribed to events for 'i-bf491f53' 2014-12-30_17:58:49.35145 2014-12-30 17:58:49 arvnodeman.daemon[15616] INFO: Registering new cloud node i-bf491f53 2014-12-30_17:58:49.35365 2014-12-30 17:58:49 arvnodeman.daemon[15616] INFO: Cloud node i-bf491f53 has associated with Arvados node <a href="#">4xphq-7ekkf-21b4wfedjanwbnr</a></pre> <p>Note how it immediately associates with <a href="#">4xphq-7ekkf-21b4wfedjanwbnr</a> (compute0) after registering the new cloud node. The correct node object it should have associated with was <a href="#">4xphq-7ekkf-48hebl9u9bc12fv</a> (compute1), but that can't happen until after the first node ping.</p> <p>Here's a normal example for when there is no IP address match, which means that the association doesn't happen until after the first ping of the new node:</p> <pre>@4000000054a244792924b124.s:2014-12-29_23:52:37.27175 2014-12-29 23:52:37 arvnodeman.nodeup[27560] INFO: Cloud node i-b4eebb58 created. @40000000054a244792924b124.s:2014-12-29_23:52:37.44820 2014-12-29 23:52:37 arvnodeman.nodeup[27560] INFO: i-b4eebb58 post-create work done. @40000000054a244792924b124.s:2014-12-29_23:52:37.45057 2014-12-29 23:52:37 arvnodeman.computenode[27560] DEBUG: Node i-b4eebb58 shutdown window closed. Next at Tue Dec 30 00:46:36 2014. @40000000054a244792924b124.s:2014-12-29_23:52:37.45147 2014-12-29 23:52:37 arvnodeman.cloud_nodes[27560] DEBUG: &lt;pykka.proxy._CallableProxy object at 0x32c5dd50&gt; subscribed to events for 'i-b4eebb58' @40000000054a244792924b124.s:2014-12-29_23:53:35.72121 2014-12-29 23:53:35 arvnodeman.daemon[27560] INFO: Registering new cloud node i-b4eebb58 @40000000054a244792924b124.s:2014-12-29_23:55:35.42040 2014-12-29 23:55:35 arvnodeman.daemon[27560] INFO: Cloud node i-b4eebb58 has associated with Arvados node <a href="#">qr1bi-7ekkf-09hjulqcrpxpliw</a></pre> <p>Related: in issue <a href="#">#4887</a>, some code is added to remove duplicate IPs from old node records when a new node pings. But that's too late to help with this problem.</p>	
<b>Related issues:</b>	
Related to Arvados - Bug #4887: [API] Make sure the local dns records for old...	<b>Resolved</b> 12/30/2014
Is duplicate of Arvados - Bug #4751: [Node Manager] Can erroneously pair clou...	<b>Resolved</b> 03/02/2015
<b>History</b>	
#1 - 12/31/2014 02:47 PM - Ward Vandewege	

- Description updated

**#2 - 12/31/2014 02:55 PM - Ward Vandewege**

- Description updated

**#3 - 01/04/2015 03:59 PM - Ward Vandewege**

- Subject changed from [Node Manager] Should not associated with incorrect arvados node object to [Node Manager] Should not associate node with incorrect arvados node object

**#4 - 01/05/2015 02:00 PM - Brett Smith**

- Status changed from New to Closed

Duplicates [#4751](#).

**#5 - 01/05/2015 02:00 PM - Brett Smith**

- Target version deleted (Bug Triage)