

## Arvados - Bug #13868

### [Node manager] Gets into trouble if nodes don't have arvados\_node\_size tag

07/19/2018 03:01 PM - Peter Amstutz

<b>Status:</b>	Resolved	<b>Start date:</b>	07/19/2018
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assigned To:</b>	Peter Amstutz	<b>% Done:</b>	100%
<b>Category:</b>		<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>	2018-08-01 Sprint		
<b>Description</b>			
<pre>Jul 19 14:50:50 manage.e51c5.arvadosapi.com env[110136]: 2018-07-19 14:50:50 ComputeNodeUpdateActor.5af93592d98f[110137] ERROR: SLURM update ['scontrol', 'update', u'NodeName=compute138', 'Weight=9999999000', 'Features=instancetype=invalid'] failed Jul 19 14:50:50 manage.e51c5.arvadosapi.com env[110136]: Traceback (most recent call last): Jul 19 14:50:50 manage.e51c5.arvadosapi.com env[110136]:   File "/usr/lib/python2.7/dist-packages/arvnodeman/computenode/dispatch/slurm.py", line 26, in _update_slurm_node Jul 19 14:50:50 manage.e51c5.arvadosapi.com env[110136]:     subprocess.check_output(cmd) Jul 19 14:50:50 manage.e51c5.arvadosapi.com env[110136]:   File "/usr/lib/python2.7/dist-packages/subprocess32.py", line 343, in check_output Jul 19 14:50:50 manage.e51c5.arvadosapi.com env[110136]:     raise CalledProcessError(retcode, process.args, output=output) Jul 19 14:50:50 manage.e51c5.arvadosapi.com env[110136]: CalledProcessError: Command '['scontrol', 'update', u'NodeName=compute138', 'Weight=9999999000', 'Features=instancetype=invalid']' returned non-zero exit status 1. Jul 19 14:50:50 manage.e51c5.arvadosapi.com env[110136]: scontrol: error: Weight value (9999999000) is greater than 4294967280</pre>			
Invalid nodes have a weight of 9999999.			
Two problems:			
We should make the invalid weight smaller.			
If there are nodes that don't have the "arvados_node_size" tag, it is set to "None" instead of using the regular size.id like before.			
<b>Subtasks:</b>			
Task # 13870: Review 13868-invalid-node-size			<b>Resolved</b>

#### Associated revisions

##### Revision 2f4a5bef - 07/19/2018 04:09 PM - Peter Amstutz

Merge branch '13868-invalid-node-size' refs #13868

Arvados-DCO-1.1-Signed-off-by: Peter Amstutz <[pamstutz@veritasgenetics.com](mailto:pamstutz@veritasgenetics.com)>

#### History

##### #1 - 07/19/2018 03:01 PM - Peter Amstutz

- Status changed from New to In Progress

##### #2 - 07/19/2018 03:04 PM - Peter Amstutz

- Description updated

- Assigned To set to Peter Amstutz

##### #3 - 07/19/2018 03:22 PM - Peter Amstutz

13868-invalid-node-size @ [8ab6b482342b95ad35775867bcdb8fd691b78fb7](https://ci.curoverse.com/view/Developer/job/developer-run-tests-services-nodemanager/335/)

<https://ci.curoverse.com/view/Developer/job/developer-run-tests-services-nodemanager/335/>

##### #4 - 07/19/2018 04:05 PM - Lucas Di Pentima

[8ab6b482342b95ad35775867bcdb8fd691b78fb7](https://ci.curoverse.com/view/Developer/job/developer-run-tests-services-nodemanager/335/) LGTM

**#5 - 07/20/2018 04:47 PM - Peter Amstutz**

- *Status changed from In Progress to Resolved*

**#6 - 07/23/2018 07:07 PM - Tom Morris**

- *Release set to 13*