

## Arvados - Story #13569

### Add units tera / giga / mega / kilo for configurations

06/05/2018 05:11 PM - Nico César

<b>Status:</b> Resolved	<b>Start date:</b> 06/29/2018
<b>Priority:</b> Normal	<b>Due date:</b>
<b>Assigned To:</b> Tom Clegg	<b>% Done:</b> 100%
<b>Category:</b>	<b>Estimated time:</b> 0.00 hour
<b>Target version:</b> 2018-07-03 Sprint	
<b>Description</b> It will be great to have suffixes in configurations to express [TGMK][i]B note the "i" to take in account both options for MiB Mebibytes and MB Megabytes to make configuration simpler in systems that express Disk size (usually in Megabytes ) and Memory (usually in Mebibytes):  <pre>/etc/arvados/config.yml Clusters:   zzzzz:     InstanceTypes:       - Name: Standard_D1_v2         VCPUs: 1         RAM: 3.584GiB         Scratch: 50GB         Price: 0.073</pre> this should be consistent across the different configurations as in :  <pre>/etc/arvados-node-manager/config.ini [Size Standard_E64_v3] cores = 64 price = 4.412 scratch = 864000</pre>	
<b>Subtasks:</b> Task # 13656: Review 13569-size-prefixes <span style="float: right;"><b>Resolved</b></span>	
<b>Related issues:</b> Related to Arvados - Feature #13611: Nodemanager reads instance sizes from th... <span style="float: right;"><b>Closed</b></span>	

#### Associated revisions

##### Revision 9a9930ce - 06/29/2018 08:46 PM - Tom Clegg

Merge branch '13569-size-prefixes'

closes #13569

Arvados-DCO-1.1-Signed-off-by: Tom Clegg <[tclegg@veritasgenetics.com](mailto:tclegg@veritasgenetics.com)>

#### History

##### #1 - 06/05/2018 07:10 PM - Nico César

- Project changed from Arvados Private to Arvados
- Target version set to To Be Groomed

##### #2 - 06/13/2018 04:16 PM - Lucas Di Pentima

- Related to Feature #13611: Nodemanager reads instance sizes from the system config file to avoid duplication added

##### #3 - 06/13/2018 04:34 PM - Tom Morris

- Story points set to 1.0

##### #4 - 06/20/2018 03:47 PM - Tom Morris

- Target version changed from To Be Groomed to 2018-07-03 Sprint

**#5 - 06/20/2018 03:59 PM - Tom Clegg**

- Assigned To set to Tom Clegg

**#6 - 06/29/2018 04:47 PM - Tom Clegg**

- Status changed from New to In Progress

**#7 - 06/29/2018 05:01 PM - Tom Clegg**

13569-size-prefixes @ [11ab2e23511c7e8962e0110c3aad44b74fea2dbd](#)

- incorporates outstanding branch from [#13674](#) (rather than create+resolve merge conflicts)
- applies only to Go programs (because so far only Go programs read the cluster config file)
- nodemanager's own "ini" config file still reads "30" to mean "30 GB", and can't handle "30000 MB" -- it's pointless to add this feature when we're already planning to ditch the whole thing in [#13611](#), right?

<https://ci.curoverse.com/job/developer-run-tests/778/>

**#8 - 06/29/2018 07:18 PM - Lucas Di Pentima**

Updates at [11ab2e23511c7e8962e0110c3aad44b74fea2dbd](#) LGTM, except for one thing that may be an issue to be solved: This doesn't work with decimal values, for example: 3.584GiB, as in the example conf on the description.

**#9 - 06/29/2018 08:24 PM - Tom Clegg**

13569-size-prefixes @ [d128fe6bc8da01fe8e7829db988819dd1c159298](#)

Now accepts any valid JSON number as the numeric part: "1.234K", "1234E-3 EiB", etc.

**#10 - 06/29/2018 08:39 PM - Lucas Di Pentima**

LGTM, please merge.

**#11 - 06/29/2018 08:48 PM - Tom Clegg**

- Status changed from In Progress to Resolved

Applied in changeset [arvados!9a9930cebb7f36131490d0f144e23f5066e7f01d](#).

**#12 - 07/23/2018 06:50 PM - Tom Morris**

- Tracker changed from Bug to Story

- Subject changed from *add units tera / giga / mega / kilo for configurations.* to *Add units tera / giga / mega / kilo for configurations*

- Release set to 13