

Foreman - Bug #10957

Warning error on "Monitor/Statistics" webpage

06/30/2015 10:54 AM - Claudiu Nagy

Status:	Closed	
Priority:	Normal	
Assignee:	Tomer Brisker	
Category:	Statistics	
Target version:	1.14.1	
Difficulty:		Fixed in Releases:
Triaged:		Found in Releases:
Bugzilla link:		Red Hat JIRA:
Pull request:	https://github.com/theforeman/foreman/pull/4143	

**Description**

Due to some limitations/bugs in linux containers sometimes the value returned by facter for memoryfree is not correct. It does not contain the unit of measure (MB, GB, etc). I have such a case and in the database where there is a value for memoryfree of "8.00 " . Because of that value the "Monitor/Statistics" can't be accessed with the below warning:

```
RuntimeError
Unknown string: "8.00 "
lib/core_extensions.rb:139:in `rescue in to_gb'
lib/core_extensions.rb:128:in `to_gb'
app/models/fact_value.rb:101:in `block in to_gb'
app/models/fact_value.rb:100:in `to_gb'
app/models/fact_value.rb:58:in `mem_average'
app/controllers/statistics_controller.rb:9:in `index'
app/controllers/concerns/application_shared.rb:13:in `set_timezone'
app/models/concerns/foreman/thread_session.rb:32:in `clear_thread'
lib/middleware/catch_json_parse_errors.rb:9:in `call'
lib/core_extensions.rb:129:in `to_gb'
```

Looking at the "to\_gb" ruby code in "lib/core\_extensions.rb" i was under the impression that such a case should work:

```
case unit.to_sym
  when nil, :B, :byte then (value.to_f / Foreman::SIZE[:giga])
```

But of course it doesn't.

Should a situation where memoryfree equals "8.00 " (no unit in there) give an error or should it work?

P.S. I do have a patch for "to\_gb" that will work if the value is similar to "8.00 ".

Associated revisions

- Revision fc2fc7ac - 12/28/2016 06:24 AM - Tomer Brisker**  
Fixes #10957 - Correctly handle to\_gb when no unit given
- Revision 04ee151c - 01/30/2017 11:02 AM - Tomer Brisker**  
Fixes #10957 - Correctly handle to\_gb when no unit given
- (cherry picked from commit fc2fc7ac5ccaca9578630d2d724d3cb698358b1f)

History

- #1 - 07/01/2015 03:56 AM - Dominic Cleal**  
- Category set to Statistics

I'm not sure which is the best course of action. Ideally the fact would be fixed in facter/ohai etc, or we could put a workaround into a fact parser to add the expected unit if it's a common, unfixed bug.

Otherwise I'd probably suggest changing to `_gb` in `app/models/fact_value.rb` instead to ignore the fact rather than changing the `to_gb` method to assume a unit.

The nil in the case statement doesn't help as it's failing to match the regexp earlier on, since the unit there is expected and not optional.

## **#2 - 07/01/2015 04:07 AM - Claudiu Nagy**

I agree that the value should be ignored. At least in my case the value is not correct and is just invalidating my statistics for that fact. Another option is to discard the value when it is inserted in the database.

## **#3 - 08/27/2015 05:07 AM - Inixi Noisse**

in the file `lib/core_extensions.rb` you should change line 129 to:  
`value, _, unit=self.match(/(\d+(\.\d+)?) ?((([KMGT])GiB|GB|B?|B))$/i))[0..3]`

and also add appropriate case switch

## **#4 - 12/28/2016 04:46 AM - The Foreman Bot**

- *Status changed from New to Ready For Testing*
- *Assignee set to Tomer Brisker*
- *Pull request <https://github.com/theforeman/foreman/pull/4143> added*

## **#5 - 12/28/2016 07:01 AM - Anonymous**

- *Status changed from Ready For Testing to Closed*
- *% Done changed from 0 to 100*

Applied in changeset [fc2fc7ac5ccaca9578630d2d724d3cb698358b1f](#).

## **#6 - 01/03/2017 03:41 AM - Dominic Cleal**

- *translation missing: en.field\_release set to 210*