Foreman - Bug #2967
Foreman is randomly missing certain facts
08/23/2013 11:25 AM - Anders Sveen

<table>
<thead>
<tr>
<th>Status:</th>
<th>Closed</th>
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<tbody>
<tr>
<td>Priority:</td>
<td>Normal</td>
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<tr>
<td>Assignee:</td>
<td>Ohad Levy</td>
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<tr>
<td>Category:</td>
<td>Facts</td>
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<tr>
<td>Target version:</td>
<td>1.3.1</td>
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<tr>
<td>Difficulty:</td>
<td></td>
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<td>Triaged:</td>
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<td>Bugzilla link:</td>
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<td>Pull request:</td>
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<td>Fixed in Releases:</td>
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<td>Found in Releases:</td>
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Description
I have set up Foreman with ENC integration and pushing facts with the script at
https://github.com/theforeman/puppet-foreman/blob/master/templates/external_node.rb.erb . After activating this I could see that facts were coming in and I could query. We currently have 8 hosts running.

If I do a query for facts "name = puppetversion" 8 hosts and their values shows up. This seems to return the correct number of hosts all the time.

If I do a query for facts "name = memoryfree" it usually displays something between 4 and 6 hosts. Only rarely do I see 8 hosts. The number and which hosts that show up vary over time.

This behavior is consistent across two different deployments of Foreman I have. They are installed with yum on RHEL6 systems. I'm currently running on SQLite3. Another reporter (see mail thread below) is running Postgres.

Production log for foreman:

```
Started POST "/fact_values/create?format=yml" for 127.0.0.1 at 2013-08-23 03:35:24 +0200
Processing by FactValuesController#create as YML
  Parameters: {"facts"=>"[FILTERED]"}
  Rendered text template (0.0ms)
Completed 200 OK in 92ms (Views: 0.8ms | ActiveRecord: 50.0ms)
```

See the following mail thread for some history and another reporter having the same issue:
https://groups.google.com/forum/#!topic/foreman-users/KQ-YxXLuLDA

Associated revisions
Revision fb68fd22 - 10/24/2013 11:11 AM - Ohad Levy
[REFACTOR] fixes #2967 - refactored Fact Importer

Based on Dmitri Dolguikh <dmitri@appliedlogic.ca> original patch.

- renamed original fact_importer class to fact_parser class
- moved fact handling logic to its own fact_importer class
- fact importer now assumes single-value facts
- added a uniqueness constraint on fact_values table on fact_name_id and host_id
- added tests
Revision f3f86a3a - 10/24/2013 12:14 PM - Ohad Levy
refs #2967 fact deleted counters did not propagate correctly.

Revision a51ed475 - 10/25/2013 03:43 PM - Ohad Levy
[REFACTOR] fixes #2967 - refactored Fact Importer
Based on Dmitri Dolguikh <dmitri@appliedlogic.ca> original patch.
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- added tests
(cherry picked from commit fb68fd22a05a5b949d9313db59168d69efb14ad8)

Conflicts:
app/models/host/base.rb

Revision 77d584b6 - 10/25/2013 03:43 PM - Ohad Levy
refs #2967 fact deleted counters did not propagate correctly.
(cherry picked from commit f3f86a3a712224963ceff34613f86e11f07ecb66)

History
#1 - 08/27/2013 02:27 PM - Anders Sveen
The values seems to be missing in the database:

sqlite> select fact_values.* from fact_values inner join fact_names on fact_names.id=fact_values.fact_name_id
where fact_names.name='memoryfree';
16612|33.11 GB|17|8|2013-08-27 11:29:43.404051|2013-08-27 11:29:43.404051

Should give 8 entries.

#2 - 10/24/2013 07:53 AM - Ohad Levy
- Assignee set to Ohad Levy
- Target version set to 1.15.0
#3 - 10/24/2013 08:06 AM - Anders Sveen
Upgraded to 1.3.1 and replaced scripts according to instructions for the 1.3 release. I also switched to MySQL and still seeing the same behaviour. :)

#4 - 10/24/2013 08:23 AM - Ohad Levy
Anders Sveen wrote:

Upgraded to 1.3.1 and replaced scripts according to instructions for the 1.3 release. I also switched to MySQL and still seeing the same behaviour. :) 

Are you willing to try https://github.com/theforeman/foreman/pull/975, I'm unable to reproduce the issue after this patch.

#5 - 10/24/2013 09:08 AM - Ohad Levy
- Status changed from New to Ready For Testing

#6 - 10/24/2013 11:31 AM - Ohad Levy
- Status changed from Ready For Testing to Closed
- % Done changed from 0 to 100

Applied in changeset fb68fd22a05a5b949d9313db59168d69efb14ad8.

#7 - 10/24/2013 01:37 PM - Dominic Cleal
- Legacy Backlogs Release (now unused) set to 1

#8 - 11/06/2013 11:42 AM - Anders Sveen
Ohad Levy wrote:

Anders Sveen wrote:

Upgraded to 1.3.1 and replaced scripts according to instructions for the 1.3 release. I also switched to MySQL and still seeing the same behaviour. :) 

Are you willing to try https://github.com/theforeman/foreman/pull/975, I'm unable to reproduce the issue after this patch.

I can try that, but not quite sure how to do it. :) I'm running off rpm packages via yum (foreman-1.3.0-1.el6.noarch). What would be the best way to apply this patch and make rollback easy?

Anders,
this is already part of the 1.3.1 release, if you prefer to wait, I assume next Monday it would be released.

Ohad Levy wrote:

this is already part of the 1.3.1 release, if you prefer to wait, I assume next Monday it would be released.

Alright, I'll wait and verify with the 1.3.1 release. :) Thanks.